

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-Q

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended June 27, 2020

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission File Number **001-07882**

AMD
ADVANCED MICRO DEVICES, INC.
(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of
incorporation or organization)

94-1692300

(I.R.S. Employer
Identification No.)

2485 Augustine Drive
Santa Clara, California 95054
(Address of principal executive offices)

(408) 749-4000

Registrant's telephone number, including area code

N/A

(Former name, former address and former fiscal year, if changed since last report)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.01 par value	AMD	The Nasdaq Global Select Market

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 (the Exchange Act) during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See definition of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>	Non-accelerated filer	<input type="checkbox"/>
Smaller reporting company	<input type="checkbox"/>	Emerging growth company	<input type="checkbox"/>		<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined by Rule 12b-2 of the Exchange Act). Yes No

Indicate the number of shares outstanding of the registrant's common stock, \$0.01 par value, as of July 24, 2020: 1,174,056,713

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PART I. FINANCIAL INFORMATION

ITEM 1. CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

Advanced Micro Devices, Inc.
Condensed Consolidated Statements of Operations
(Unaudited)

	Three Months Ended		Six Months Ended	
	June 27, 2020	June 29, 2019	June 27, 2020	June 29, 2019
(In millions, except per share amounts)				
Net revenue	\$ 1,932	\$ 1,531	\$ 3,718	\$ 2,803
Cost of sales	1,084	910	2,052	1,661
Gross profit	848	621	1,666	1,142
Research and development	460	373	902	746
Marketing, general and administrative	215	189	414	359
Licensing gain	—	—	—	(60)
Operating income	173	59	350	97
Interest expense	(14)	(25)	(27)	(52)
Other income (expense), net	1	3	5	(4)
Income before income taxes and equity income (loss)	160	37	328	41
Income tax provision (benefit)	4	2	10	(11)
Equity income (loss) in investee	1	—	1	(1)
Net income	\$ 157	\$ 35	\$ 319	\$ 51
Earnings per share				
Basic	\$ 0.13	\$ 0.03	\$ 0.27	\$ 0.05
Diluted	\$ 0.13	\$ 0.03	\$ 0.27	\$ 0.05
Shares used in per share calculation				
Basic	1,174	1,084	1,172	1,064
Diluted	1,227	1,109	1,225	1,102

See accompanying notes.

Advanced Micro Devices, Inc.
Condensed Consolidated Statements of Comprehensive Income
(Unaudited)

	Three Months Ended		Six Months Ended	
	June 27, 2020	June 29, 2019	June 27, 2020	June 29, 2019
	(In millions)			
Net income	\$ 157	\$ 35	\$ 319	\$ 51
Other comprehensive income (loss), net of tax of zero:				
Net change in unrealized gains (losses) on cash flow hedges	10	1	(4)	8
Total comprehensive income	\$ 167	\$ 36	\$ 315	\$ 59

See accompanying notes.

Advanced Micro Devices, Inc.
Condensed Consolidated Balance Sheets
(Unaudited)

	June 27, 2020	December 28, 2019
(In millions, except par value amounts)		
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 1,775	\$ 1,466
Marketable securities	—	37
Accounts receivable, net	1,789	1,859
Inventories	1,324	982
Receivables from related parties	10	20
Prepaid expenses and other current assets	211	233
Total current assets	5,109	4,597
Property and equipment, net	585	500
Operating lease right-of-use assets	215	205
Goodwill	289	289
Investment: equity method	59	58
Other non-current assets	326	379
Total assets	\$ 6,583	\$ 6,028
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Short-term debt	\$ 200	\$ —
Accounts payable	802	988
Payables to related parties	192	213
Accrued liabilities	1,172	1,084
Other current liabilities	68	74
Total current liabilities	2,434	2,359
Long-term debt, net	490	486
Long-term operating lease liabilities	204	199
Other long-term liabilities	150	157
Contingencies (See Note 11)		
Stockholders' equity:		
Capital stock:		
Common stock, par value 0.01; shares authorized: 2,250; shares issued: 1,179 and 1,175; shares outstanding: 1,174 and 1,170	12	12
Additional paid-in capital	10,127	9,963
Treasury stock, at cost (shares held: 5 and 5)	(54)	(53)
Accumulated deficit	(6,776)	(7,095)
Accumulated other comprehensive loss	(4)	—
Total stockholders' equity	3,305	2,827
Total liabilities and stockholders' equity	\$ 6,583	\$ 6,028

See accompanying notes.

Advanced Micro Devices, Inc.
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Six Months Ended	
	June 27, 2020	June 29, 2019
(In millions)		
Cash flows from operating activities:		
Net income	\$ 319	\$ 51
Adjustments to reconcile net income to net cash provided by (used in) operating activities:		
Depreciation and amortization	140	98
Stock-based compensation	119	86
Amortization of debt discount and issuance costs	8	18
Amortization of operating lease right-of-use assets	20	18
Loss on debt redemption	—	8
Loss on sale/disposal of property and equipment	26	8
Other	8	(4)
Changes in operating assets and liabilities:		
Accounts receivable, net	64	(98)
Inventories	(342)	(170)
Receivables from related parties	10	4
Prepaid expenses and other assets	(12)	(9)
Payables to related parties	(21)	(6)
Accounts payable, accrued liabilities and other	(161)	(187)
Net cash provided by (used in) operating activities	178	(183)
Cash flows from investing activities:		
Purchases of property and equipment	(146)	(120)
Purchases of available-for-sale debt securities	(55)	(231)
Proceeds from maturity of available-for-sale debt securities	92	144
Collection of deferred proceeds on sale of receivables	—	25
Other	—	2
Net cash used in investing activities	(109)	(180)
Cash flows from financing activities:		
Proceeds from short-term debt borrowing	200	—
Repayment of debt	—	(234)
Proceeds from warrant exercise	—	449
Proceeds from sales of common stock through employee equity plans	42	35
Other	(2)	(2)
Net cash provided by financing activities	240	248
Net increase (decrease) in cash, cash equivalents, and restricted cash	309	(115)
Cash, cash equivalents, and restricted cash at beginning of period	1,470	1,083
Cash, cash equivalents, and restricted cash at end of period	\$ 1,779	\$ 968
Supplemental cash flow information:		
Non-cash investing and financing activities:		
Purchases of property and equipment, accrued but not paid	\$ 52	\$ 119
Transfer of assets for the acquisition of property and equipment	\$ 41	\$ —
Issuance of treasury stock to partially settle debt	\$ —	\$ 7
Non-cash activities for leases:		
Operating lease right-of-use assets acquired by assuming related liabilities	\$ 30	\$ 10
Reconciliation of cash, cash equivalents, and restricted cash		
Cash and cash equivalents	\$ 1,775	\$ 963
Restricted cash included in Prepaid expenses and other current assets	4	5
Total cash, cash equivalents, and restricted cash	\$ 1,779	\$ 968

See accompanying notes.

Advanced Micro Devices
Condensed Consolidated Statements of Stockholders' Equity
(Unaudited)

	Three Months Ended		Six Months Ended	
	June 27, 2020	June 29, 2019	June 27, 2020	June 29, 2019
(In millions)				
Capital stock:				
Common stock				
Balance, beginning of period	\$ 12	\$ 11	\$ 12	\$ 10
Issuance of common stock upon warrant exercise	—	—	—	1
Balance, end of period	<u>\$ 12</u>	<u>\$ 11</u>	<u>\$ 12</u>	<u>\$ 11</u>
Additional paid-in capital				
Balance, beginning of period	\$ 10,026	\$ 9,246	\$ 9,963	\$ 8,750
Common stock issued under employee equity plans	39	34	42	35
Stock-based compensation	60	45	119	86
Issuance of common stock upon warrant exercise	—	—	—	449
Issuance of treasury stock to partially settle debt	—	—	—	4
Issuance of common stock warrant	2	—	3	1
Balance, end of period	<u>\$ 10,127</u>	<u>\$ 9,325</u>	<u>\$ 10,127</u>	<u>\$ 9,325</u>
Treasury stock				
Balance, beginning of period	\$ (54)	\$ (48)	\$ (53)	\$ (50)
Issuance of treasury stock to partially settle debt	—	—	—	3
Other	—	(2)	(1)	(3)
Balance, end of period	<u>\$ (54)</u>	<u>\$ (50)</u>	<u>\$ (54)</u>	<u>\$ (50)</u>
Accumulated deficit:				
Balance, beginning of period	\$ (6,933)	\$ (7,420)	\$ (7,095)	\$ (7,436)
Net income	157	35	319	51
Balance, end of period	<u>\$ (6,776)</u>	<u>\$ (7,385)</u>	<u>\$ (6,776)</u>	<u>\$ (7,385)</u>
Accumulated other comprehensive loss:				
Balance, beginning of period	\$ (14)	\$ (1)	\$ —	\$ (8)
Other comprehensive income (loss)	10	1	(4)	8
Balance, end of period	<u>\$ (4)</u>	<u>\$ —</u>	<u>\$ (4)</u>	<u>\$ —</u>
Total stockholders' equity	<u><u>\$ 3,305</u></u>	<u><u>\$ 1,901</u></u>	<u><u>\$ 3,305</u></u>	<u><u>\$ 1,901</u></u>

See accompanying notes.

**Notes to Condensed Consolidated Financial Statements
(Unaudited)**

NOTE 1. Basis of Presentation and Significant Accounting Policies

Basis of Presentation. The accompanying unaudited condensed consolidated financial statements of Advanced Micro Devices, Inc. and its subsidiaries (the Company or AMD) have been prepared in accordance with U.S. generally accepted accounting principles (U.S. GAAP) for interim financial information and the instructions to Form 10-Q and Article 10 of Regulation S-X. The results of operations for the three and six months ended June 27, 2020 shown in this report are not necessarily indicative of results to be expected for the full year ending December 26, 2020 or any other future period. In the opinion of the Company's management, the information contained herein reflects all adjustments necessary for a fair presentation of the Company's results of operations, financial position, cash flows and stockholders' equity. All such adjustments are of a normal, recurring nature. The unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements in the Company's Annual Report on Form 10-K for the fiscal year ended December 28, 2019. Certain prior period amounts have been reclassified to conform to current period presentation.

The Company uses a 52 or 53 week fiscal year ending on the last Saturday in December. The three and six months ended June 27, 2020 and June 29, 2019 each consisted of 13 weeks and 26 weeks, respectively.

Significant Accounting Policies. There have been no material changes to the Company's significant accounting policies in Note 2—Summary of Significant Accounting Policies, of the Notes to the consolidated financial statements included in our Annual Report on Form 10-K for the fiscal year ended December 28, 2019.

Recently Adopted Accounting Standards

Financial Instruments. In June 2016, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) 2016-13, *Financial Instruments—Credit Losses (Topic 326), Measurement of Credit Losses on Financial Instruments*. This standard changes the methodology for measuring credit losses on financial instruments and the timing of when such losses are recorded. The Company adopted this standard in the first quarter of 2020 using the modified retrospective adoption method. This standard did not have an impact on the condensed consolidated financial statements upon adoption.

Recently Issued Accounting Standards

Income Taxes. In December 2019, the FASB issued ASU 2019-12, *Income Taxes (Topic 740): Simplifying the Accounting for Income Taxes*. This standard simplifies the accounting for income taxes by eliminating certain exceptions to the guidance in Topic 740 related to the approach for intra-period tax allocation, the methodology for calculating income taxes in an interim period and the recognition of deferred tax liabilities for outside basis differences. The new guidance also simplifies aspects of the accounting for franchise taxes and enacted changes in tax laws or rates and clarifies the accounting for transactions that result in a step-up in the tax basis of goodwill and allocating consolidated income taxes to separate financial statements of entities not subject to income tax. This standard is effective for fiscal years beginning after December 15, 2020, with early adoption permitted. The Company will adopt this standard in the first quarter of 2021 and the adoption is not expected to have a material impact on the consolidated financial statements.

Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its condensed consolidated financial statements.

NOTE 2. Supplemental Balance Sheet Information

Accounts Receivable, net

As of June 27, 2020 and December 28, 2019, Accounts receivable, net included unbilled accounts receivable of \$222 million and \$197 million, respectively. Unbilled receivables primarily represent work completed on semi-custom products under non-cancellable purchase orders that have no alternative use to the Company at contract inception, for which revenue has been recognized but not yet invoiced to customers. All unbilled accounts receivable are expected to be billed and collected within twelve months.

Inventories

	June 27, 2020	December 28, 2019
	(In millions)	
Raw materials	\$ 102	\$ 94
Work in process	936	691
Finished goods	286	197
Total inventories	<u>\$ 1,324</u>	<u>\$ 982</u>

Property and Equipment, net

	June 27, 2020	December 28, 2019
	(In millions)	
Leasehold improvements	\$ 201	\$ 203
Equipment	1,073	951
Construction in progress	148	114
Property and equipment, gross	1,422	1,268
Accumulated depreciation	(837)	(768)
Total property and equipment, net	<u>\$ 585</u>	<u>\$ 500</u>

Other Non-Current Assets

	June 27, 2020	December 28, 2019
	(In millions)	
Software technology and licenses, net	\$ 174	\$ 210
Other	152	169
Total other non-current assets	<u>\$ 326</u>	<u>\$ 379</u>

Accrued Liabilities

	June 27, 2020	December 28, 2019
	(In millions)	
Accrued compensation and benefits	\$ 260	\$ 285
Marketing programs and advertising expenses	603	454
Other	309	345
Total accrued liabilities	<u>\$ 1,172</u>	<u>\$ 1,084</u>

Remaining Performance Obligations

Revenue allocated to remaining performance obligations that are unsatisfied (or partially unsatisfied) as of June 27, 2020 is \$417 million, which may include amounts received from customers but not yet earned and amounts that will be invoiced and recognized as revenue in future periods associated with any combination of development services, IP licensing and product revenue. The Company expects to recognize \$180 million of such amounts as revenue in the next 12 months.

The revenue allocated to remaining performance obligations does not include amounts which have an original expected contractual duration of one year or less.

NOTE 3. Related Parties — Equity Joint Ventures

ATMP Joint Ventures

The Company holds a 15% equity interest in two joint ventures (collectively, the ATMP JV) with affiliates of Tongfu Microelectronics Co., Ltd, a Chinese joint stock company. The Company has no obligation to fund the ATMP JV. The Company accounts for its equity interests in the ATMP JV under the equity method of accounting due to its significant influence over the ATMP JV. As of June 27, 2020 and December 28, 2019, the carrying value of the Company's investment in the ATMP JV was \$59 million and \$58 million, respectively.

The ATMP JV provides assembly, test, mark and packaging (ATMP) services to the Company. The Company assists the ATMP JV in its management of certain raw material inventory. The purchases from and resales to the ATMP JV of inventory under the Company's inventory management program are reported within purchases and resales with the ATMP JV and do not impact the Company's condensed consolidated statement of operations.

The Company's purchases from the ATMP JV during the three and six months ended June 27, 2020 amounted to \$204 million and \$355 million, respectively. The Company's purchases from the ATMP JV during the three and six months ended June 29, 2019 amounted to \$172 million and \$304 million, respectively. As of June 27, 2020 and December 28, 2019, the amounts payable to the ATMP JV were \$192 million and \$213 million, respectively, and are included in Payables to related parties on the Company's condensed consolidated balance sheets. The Company's resales to the ATMP JV during the three and six months ended June 27, 2020 amounted to \$8 million and \$15 million, respectively. The Company's resales to the ATMP JV during the three and six months ended June 29, 2019 amounted to \$17 million and \$43 million, respectively. As of June 27, 2020 and December 28, 2019, the Company's receivable from the ATMP JV was \$7 million for both periods, and was included in Receivables from related parties on the Company's condensed consolidated balance sheets.

THATIC Joint Ventures

The Company holds equity interests in two joint ventures (collectively, the THATIC JV) with Higon Information Technology Co., Ltd. (THATIC), a third party Chinese entity. The Company holds a majority interest in one of the joint ventures and a minority interest in the other. The Company is not a primary beneficiary of the THATIC JV and, as such, the Company does not consolidate either of these entities and accounts for its equity interests in the THATIC JV under the equity method of accounting. The Company's share in the net losses of the THATIC JV is not recorded in the Company's condensed consolidated statements of operations since the Company is not obligated to fund the THATIC JV's losses in excess of the Company's investment in the THATIC JV, which was zero as of both June 27, 2020 and December 28, 2019.

In February 2016, the Company licensed certain of its intellectual property (Licensed IP) to the THATIC JV for a total of \$293 million in license fees payable over several years upon achievement of certain milestones. The Company also expects to receive a royalty based on the sales of the THATIC JV's products to be developed on the basis of such Licensed IP. The Company classifies Licensed IP income and royalty income, associated with the February 2016 agreement, as licensing gain within operating income.

The Company recognized \$60 million as licensing gain associated with the Licensed IP during the six months ended June 29, 2019. The Company's receivable from the THATIC JV was \$3 million and \$13 million as of June 27, 2020 and December 28, 2019, respectively, and was included in Receivables from related parties on the Company's condensed consolidated balance sheets.

In June 2019, the Bureau of Industry and Security of the United States Department of Commerce added certain Chinese entities to the Entity List, including THATIC and the THATIC JV. The Company is complying with U.S. law pertaining to the Entity List designation.

NOTE 4. Debt and Secured Revolving Facility

Debt

The Company's total debt as of June 27, 2020 and December 28, 2019 consisted of the following:

	June 27, 2020	December 28, 2019
	(In millions)	
2.125% Convertible Senior Notes Due 2026 (2.125% Notes)	\$ 251	\$ 251
7.50% Senior Notes Due 2022 (7.50% Notes)	312	312
Borrowing under Secured Revolving Facility	200	—
Total debt (principal amount)	763	563
Unamortized debt discount for 2.125% Notes	(69)	(73)
Unamortized debt issuance costs for 2.125% Notes	(3)	(3)
Unamortized debt issuance costs for 7.50% Notes	(1)	(1)
Total debt (net)	690	486
Less: short term debt	(200)	—
Total long-term debt (net)	\$ 490	\$ 486

2.125% Convertible Senior Notes Due 2026

In September 2016, the Company issued \$805 million in aggregate principal amount of 2.125% Convertible Senior Notes which mature on September 1, 2026. The 2.125% Notes are general unsecured senior obligations of the Company.

Holders of the 2.125% Notes may convert them at their option during certain time periods and upon the occurrence of certain events, including, during any calendar quarter, if the last reported sale price of the Company's common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on the last trading day of the immediately preceding calendar quarter is greater than or equal to 130% of the conversion price on each applicable trading day (equivalent to an initial conversion price of approximately \$8.00 per share of common stock). The above event was met during the second calendar quarter of 2020 and as a result, the 2.125% Notes are convertible at the option of the holder from July 1, 2020 until September 30, 2020.

The Company's current intent is to deliver shares of its common stock upon conversion of the 2.125% Notes. The Company continued to classify the carrying value of the liability component of the 2.125% Notes as long-term debt and the equity component of the 2.125% Notes as permanent equity on its condensed consolidated balance sheet as of June 27, 2020. The effective interest rate of the liability component of the 2.125% Notes is 8%. This interest rate was based on the interest rates of similar liabilities at the time of issuance that did not have associated conversion features. The carrying amount of the equity component of the 2.125% Notes was \$95 million as of both June 27, 2020 and December 28, 2019.

7.50% Senior Notes Due 2022

On August 15, 2012, the Company issued \$500 million of its 7.50% Senior Notes due 2022. As of June 27, 2020, the outstanding aggregate principal amount of the 7.50% Notes was \$312 million.

Secured Revolving Facility

On June 7, 2019, the Company entered into a secured revolving credit facility for up to \$500 million (the Secured Revolving Facility) pursuant to a credit agreement by and among the Company, as borrower, the lenders party thereto and Wells Fargo Bank, National Association, as administrative agent (the Credit Agreement). The Secured Revolving Facility consists of a \$500 million, five-year secured revolving loan facility, including a \$50 million swingline subfacility and a \$75 million sublimit for letters of credit. The Company's obligations under the Credit Agreement are secured by a lien on substantially all the Company's property, other than intellectual property.

The Credit Agreement also provides the ability to increase the Secured Revolving Facility or incur incremental term loans or other incremental equivalent debt by an amount not to exceed certain amounts as set forth in the

Credit Agreement. The Company's available borrowings under the Secured Revolving Facility are also subject to reduction by an amount equal to the net cash proceeds of (i) any debt issuances not permitted by the Secured Revolving Facility and (ii) any non-ordinary course asset sales, in excess of \$250 million, if such net cash proceeds are not reinvested by the Company within twelve months of receipt.

On April 6, 2020, the Company borrowed \$200 million under the Credit Agreement via the LIBOR rate loan option at an annual interest rate of 2.37% through the maturity date of July 6, 2020. As of June 27, 2020, the Company had \$13 million of letters of credit outstanding under the Credit Agreement and the Company was in compliance with all required covenants under the Credit Agreement.

Subsequent to quarter end, the Company repaid the \$200 million borrowing plus interest upon maturity on July 6, 2020.

NOTE 5. Financial Instruments

Fair Value Measurements

Financial Instruments Recorded at Fair Value on a Recurring Basis

The Company did not have material financial instruments measured and recorded at fair value on a recurring basis as of June 27, 2020. As of December 28, 2019, the Company had \$37 million of commercial paper included in Marketable securities on the Company's condensed consolidated balance sheets, which was classified within Level 2 as their fair value estimates were based on quoted prices for comparable instruments.

In addition, as of June 27, 2020 and December 28, 2019, the Company also had \$36 million and \$30 million, respectively, of investments in mutual funds held in a Rabbi trust established for the Company's deferred compensation plan, which were included in Other non-current assets on the Company's condensed consolidated balance sheets. These money market funds and mutual funds are classified within Level 1 as their fair value estimates are based on quoted prices for identical instruments in active markets. The Company is restricted from accessing these investments.

Financial Instruments Not Recorded at Fair Value

The Company carries its financial instruments at fair value with the exception of its long-term debt. The carrying amounts and estimated fair values of the Company's long-term debt are as follows:

	June 27, 2020		December 28, 2019	
	Carrying Amount	Estimated Fair Value	Carrying Amount	Estimated Fair Value
	(In millions)			
Long-term debt, net	\$ 490	\$ 1,932	\$ 486	\$ 1,823

The estimated fair value of the Company's long-term debt is based on Level 2 inputs as the fair value is based on quoted prices for the Company's debt or comparable instruments in inactive markets. The Company's 2.125% Notes, included in Long-term debt, net above, were convertible at the option of the holder as of June 27, 2020. The estimated fair value of the 2.125% Notes considers the relationship between the Company's stock price of \$50.10 as of June 26, 2020, the last trading day of the three months ended June 27, 2020 and the equivalent initial conversion price of approximately \$8.00 per share of common stock.

The fair value of the Company's accounts receivable, accounts payable and other short-term obligations, including short-term debt, approximate their carrying value based on existing payment terms.

Hedging Transactions and Derivative Financial Instruments

Cash Flow Hedges Designated as Accounting Hedges and Foreign Currency Forward Contracts Not Designated as Accounting Hedges

The Company enters into foreign currency forward contracts to hedge its exposure to foreign currency exchange rate risk related to future forecasted transactions denominated in currencies other than the U.S. Dollar. These contracts generally mature within 12 months. These cash flow hedges are designated as accounting hedges and the gains or losses on these contracts are initially deferred in other comprehensive income (loss) and reclassified to earnings in the period during which the hedged transaction affects earnings.

The Company also enters into foreign currency forward contracts to reduce the short-term effects of foreign currency fluctuations on certain receivables or payables denominated in currencies other than the U.S. Dollar. These forward contracts generally mature within 3 months. These contracts are not designated as accounting hedges and the gains or losses on these contracts are recognized in other income (expense), net in the condensed consolidated statements of operations based on the changes in fair value.

As of June 27, 2020 and December 28, 2019, the notional values of the Company's outstanding foreign currency forward contracts were \$599 million and \$739 million, respectively. The fair value of these contracts was not material as of June 27, 2020 and December 28, 2019.

NOTE 6. Accumulated Other Comprehensive Loss

The table below summarizes the changes in accumulated other comprehensive loss for the three and six months ended June 27, 2020 and June 29, 2019:

	Three Months Ended		Six Months Ended	
	June 27, 2020	June 29, 2019	June 27, 2020	June 29, 2019
(In millions)				
Gains (losses) on cash flow hedges:				
Beginning balance	\$ (14)	\$ (1)	\$ —	\$ (8)
Net unrealized gains (losses) arising during the period	5	(1)	(12)	4
Net losses reclassified into income during the period	5	2	8	4
Total other comprehensive income (loss)	10	1	(4)	8
Ending balance	\$ (4)	\$ —	\$ (4)	\$ —

NOTE 7. Earnings Per Share

The following table sets forth the components of basic and diluted earnings per share:

	Three Months Ended		Six Months Ended	
	June 27, 2020	June 29, 2019	June 27, 2020	June 29, 2019
(In millions, except per share amounts)				
Numerator				
Net income for basic earnings per share	\$ 157	\$ 35	\$ 319	\$ 51
Effect of potentially dilutive shares:				
Interest expense related to the 2.125% Notes	3	—	7	—
Net income for diluted earnings per share	\$ 160	\$ 35	\$ 326	\$ 51
Denominator				
Basic weighted average shares	1,174	1,084	1,172	1,064
Effect of potentially dilutive shares:				
Employee equity plans and warrants	22	25	22	38
2.125% Notes	31	—	31	—
Diluted weighted average shares	1,227	1,109	1,225	1,102
Earnings per share:				
Basic	\$ 0.13	\$ 0.03	\$ 0.27	\$ 0.05
Diluted	\$ 0.13	\$ 0.03	\$ 0.27	\$ 0.05

Potential shares from employee equity plans and the conversion of the 2.125% Notes totaling 102 million and 103 million shares for the three and six months ended June 29, 2019, respectively, were not included in the earnings per share calculation because their inclusion would have been anti-dilutive.

NOTE 8. Common Stock and Employee Equity Plans

Shares of common stock outstanding were as follows:

	Three Months Ended		Six Months Ended	
	June 27, 2020	June 29, 2019	June 27, 2020	June 29, 2019
	(In millions)			
Balance, beginning of period	1,171	1,082	1,170	1,005
Common stock issued under employee equity plans	3	4	4	5
Issuance of common stock upon warrant exercise	—	—	—	75
Issuance of treasury stock to partially settle debt	—	—	—	1
Balance, end of period	<u>1,174</u>	<u>1,086</u>	<u>1,174</u>	<u>1,086</u>

Stock-based compensation expense was as follows:

	Three Months Ended		Six Months Ended	
	June 27, 2020	June 29, 2019	June 27, 2020	June 29, 2019
	(In millions)			
Cost of sales	\$ 2	\$ 2	\$ 4	\$ 3
Research and development	37	28	74	55
Marketing, general and administrative	21	15	41	28
Total	<u>\$ 60</u>	<u>\$ 45</u>	<u>\$ 119</u>	<u>\$ 86</u>

NOTE 9. Income Taxes

For the three months ended June 27, 2020, the Company recorded an income tax provision of \$4 million associated with foreign income taxes and withholding taxes. For the three months ended June 29, 2019, the Company recorded an income tax provision of \$2 million, consisting primarily of foreign income taxes in profitable locations.

For the six months ended June 27, 2020, the Company recorded an income tax provision of \$10 million associated with foreign income taxes and withholding taxes. For the six months ended June 29, 2019, the Company recorded an income tax benefit of \$11 million, consisting primarily of a \$13 million credit to U.S. income taxes due to the completion of certain internal tax structuring and \$2 million of foreign income taxes in profitable locations.

As of June 27, 2020, substantially all the Company's U.S. and foreign deferred tax assets, net of deferred tax liabilities, were subject to valuation allowances. After evaluating all available evidence, the Company determined that the valuation allowances should be maintained.

The Company's total gross unrecognized tax benefits were \$79 million as of June 27, 2020. The Company has foreign and U.S. state tax audits in process at any one point in time. It is reasonably possible the Company may have tax audits close in the next 12 months that could materially change the balance of the uncertain tax benefits; however, the timing of tax audit closures and settlements are uncertain.

NOTE 10. Segment Reporting

Management, including the Chief Operating Decision Maker, who is the Company's Chief Executive Officer, reviews and assesses operating performance using segment net revenue and operating income (loss). These performance measures include the allocation of expenses to the operating segments based on management's judgment. The Company has the following two reportable segments:

- the Computing and Graphics segment, which primarily includes desktop and notebook processors and chipsets, discrete and integrated graphics processing units (GPUs), data center and professional GPUs and development services. The Company also licenses portions of its IP portfolio; and
- the Enterprise, Embedded and Semi-Custom segment, which primarily includes server and embedded processors, semi-custom System-on-Chip (SoC) products, development services and technology for game consoles. The Company also licenses portions of its IP portfolio.

In addition to these reportable segments, the Company has an All Other category, which is not a reportable segment. This category primarily includes certain expenses and credits that are not allocated to any of the reportable segments because management does not consider these expenses and credits in evaluating the performance of the reportable segments. This category primarily includes stock-based compensation expense.

The following table provides a summary of net revenue and operating income by segment:

	Three Months Ended		Six Months Ended	
	June 27, 2020	June 29, 2019	June 27, 2020	June 29, 2019
	(In millions)			
Net revenue:				
Computing and Graphics	\$ 1,367	\$ 940	\$ 2,805	\$ 1,771
Enterprise, Embedded and Semi-Custom	565	591	913	1,032
Total net revenue	<u>\$ 1,932</u>	<u>\$ 1,531</u>	<u>\$ 3,718</u>	<u>\$ 2,803</u>
Operating income (loss):				
Computing and Graphics	\$ 200	\$ 22	\$ 462	\$ 38
Enterprise, Embedded and Semi-Custom	33	89	7	157
All Other ⁽¹⁾	(60)	(52)	(119)	(98)
Total operating income	<u>\$ 173</u>	<u>\$ 59</u>	<u>\$ 350</u>	<u>\$ 97</u>

- (1) For the three months ended June 27, 2020, All Other operating loss was related to stock-based compensation expense. All Other operating loss of \$52 million for the three months ended June 29, 2019 consisted of \$45 million stock-based compensation expense and \$7 million contingent loss accrual on a legal matter.

For the six months ended June 27, 2020, All Other operating loss was related to stock-based compensation expense. All Other operating loss of \$98 million for the six months ended June 29, 2019 consisted of \$86 million stock-based compensation expense and \$12 million contingent loss accrual on a legal matter.

NOTE 11. Contingencies

Hauck et al. Litigation

Since January 19, 2018, three putative class action complaints have been filed against the Company in the United States District Court for the Northern District of California: (1) Diana Hauck et al. v. AMD, Inc., Case No. 5:18-cv-0047, filed on January 19, 2018; (2) Brian Speck et al. v. AMD, Inc., Case No. 5:18-cv-0744, filed on February 4, 2018; and (3) Nathan Barnes and Jonathan Caskey-Medina, et al. v. AMD, Inc., Case No. 5:18-cv-00883, filed on February 9, 2018. On April 9, 2018, the court consolidated these cases and ordered that Diana Hauck et al. v. AMD, Inc. serve as the lead case. On June 13, 2018, six plaintiffs (from California, Louisiana, Florida and Massachusetts) filed a consolidated amended complaint alleging that the Company failed to disclose its processors' alleged vulnerability to Spectre. Plaintiffs further allege that the Company's processors cannot perform at their advertised processing speeds without exposing consumers to Spectre, and that any "patches" to remedy this security vulnerability will result in degradation of processor performance. The plaintiffs seek damages under several causes of action on behalf of a nationwide class and four state subclasses (California, Florida,

Massachusetts and Louisiana) of consumers who purchased the Company's processors and/or devices containing AMD processors. The plaintiffs also seek attorneys' fees, equitable relief and restitution. Pursuant to the court's order directing the parties to litigate only eight of the causes of action in the consolidated amended complaint initially, the Company filed a motion to dismiss on July 13, 2018. On October 29, 2018, after the plaintiffs voluntarily dismissed one of their claims, the court granted the Company's motion and dismissed six causes of action with leave to amend. The plaintiffs filed their amended consolidated complaint on December 6, 2018. On January 3, 2019, the Company again moved to dismiss the subset of claims currently at issue. On April 4, 2019, the court granted the Company's motion and dismissed all claims currently at issue with prejudice. On May 6, 2019, the court granted the parties' stipulation and request under Fed. R. Civ. P. 54(b) to enter a partial final judgment and certify for appeal the court's April 4, 2019 dismissal order, and on that same date, the plaintiffs voluntarily dismissed without prejudice their remaining claims pursuant to an agreement whereby, subject to certain terms and conditions, the Company agreed to toll the statute of limitations and/or statute of repose. On May 30, 2019, the plaintiffs filed a Notice of Appeal with the U.S. Court of Appeals for the Ninth Circuit. On May 15, 2020, the Ninth Circuit affirmed the district court's ruling dismissing the subset of claims currently at issue against the Company.

Based upon information presently known to management, the Company believes that the potential liability, if any, will not have a material adverse effect on its financial condition, cash flows or results of operations.

Quarterhill Inc. Litigation

On July 2, 2018, three entities named Aquila Innovations, Inc. (Aquila), Collabo Innovations, Inc. (Collabo), and Polaris Innovations, Ltd. (Polaris), filed separate patent infringement complaints against the Company in the United States District Court for the Western District of Texas. Aquila alleges that the Company infringes two patents (6,239,614 and 6,895,519) relating to power management; Collabo alleges that the Company infringes one patent (7,930,575) related to power management; and Polaris alleges that the Company infringes two patents (6,728,144 and 8,117,526) relating to control or use of dynamic random-access memory, or DRAM. Each of the three complaints seeks unspecified monetary damages, interest, fees, expenses and costs against the Company; Aquila and Collabo also seek enhanced damages. Aquila, Collabo and Polaris each appear to be related to a patent assertion entity named Quarterhill Inc. (formerly WiLAN Inc.). On November 16, 2018, AMD filed answers in the Collabo and Aquila cases and filed a motion to dismiss in the Polaris case. On January 25, 2019, the Company filed amended answers and counterclaims in the Collabo and Aquila cases. On July 22, 2019, the Company's motion to dismiss in the Polaris case was denied. On August 23, 2019, the Court held a claim construction hearing in each case. On May 14, 2020, at the request of Polaris, the Court dismissed all claims related to one of the two patents in suit in the Polaris case. On June 10, 2020, the Court granted AMD's motions to stay the Polaris and Aquila cases pending the completion of *inter partes* review of each of the patents-in-suit in those cases by the Patent Trial and Appeals Board.

Based upon information presently known to management, the Company believes that the potential liability, if any, will not have a material adverse effect on its financial condition, cash flows or results of operations.

Other Legal Matters

The Company is a defendant or plaintiff in various actions that arose in the normal course of business. With respect to these matters, based on the management's current knowledge, the Company believes that the amount or range of reasonably possible loss, if any, will not, either individually or in the aggregate, have a material adverse effect on the Company's financial position, results of operations, or cash flows.

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The statements in this report include forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are based on current expectations and beliefs and involve numerous risks and uncertainties that could cause actual results to differ materially from expectations. These forward-looking statements speak only as of the date hereof or as of the dates indicated in the statements and should not be relied upon as predictions of future events, as we cannot assure you that the events or circumstances reflected in these statements will be achieved or will occur. You can identify forward-looking statements by the use of forward-looking terminology including "believes," "expects," "may," "will," "should," "seeks," "intends," "plans," "pro forma," "estimates," "anticipates," "designed," or the negative of these words and phrases, other variations of these words and phrases or comparable terminology. The forward-looking statements relate to, among other things: demand for AMD's products; the growth, change and competitive landscape of the markets in which AMD participates; expected seasonality trends; that unbilled accounts receivables are expected to be billed and collected within twelve months; the expected amounts to be received by AMD under the IP licensing agreement and AMD's expected royalty payments from future product sales of China JVs' products to be developed on the basis of such licensed IP; the level of international sales as compared to total sales; that AMD's cash and cash equivalents balances together with the availability under that certain revolving credit facility (Secured Revolving Facility) made available to AMD and certain of its subsidiaries under the Credit Agreement, will be sufficient to fund AMD's operations including capital expenditures over the next 12 months; AMD's ability to obtain sufficient external financing or external financing on favorable terms; AMD's expectation that based on the information presently known to management, the potential liability related to AMD's current litigation will not have a material adverse effect on its financial condition, cash flows or results of operations; that the COVID-19 pandemic will continue to impact our business; ongoing and increase in costs related to IT network security; and a small number of customers will continue to account for a substantial part of AMD's revenue in the future. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from current expectations. For a discussion of the factors that could cause actual results to differ materially from the forward-looking statements, see "Part II, Item 1A—Risk Factors and such other risks and uncertainties as set forth below in this report or detailed in our other Securities and Exchange Commission (SEC) reports and filings. Many of these risks and uncertainties may be exacerbated by the COVID-19 pandemic and any worsening of the global business and economic environment as a result. We assume no obligation to update forward-looking statements, except as may be required by law.

AMD, the AMD Arrow logo, ATI, and the ATI logo, Athlon, EPYC, Radeon, Ryzen and combinations thereof, are trademarks of Advanced Micro Devices, Inc. Microsoft and Xbox One are trademarks or registered trademarks of Microsoft Corporation in the United States and other jurisdictions. Other names are for informational purposes only and are used to identify companies and products and may be trademarks of their respective owners. "Zen" is a codename for an AMD architecture, and is not a product name.

The following discussion should be read in conjunction with the unaudited condensed consolidated financial statements and related notes included in this report and our audited consolidated financial statements and related notes as of December 28, 2019 and December 30, 2018, and for each of the three years for the period ended December 28, 2019 as filed in our Annual Report on Form 10-K for the fiscal year ended December 28, 2019.

Overview

We are a global semiconductor company primarily offering:

- x86 microprocessors, as standalone devices or as incorporated into an accelerated processing unit (APU), chipsets, discrete and integrated graphics processing units (GPUs), data center and professional GPUs, and development services; and
- server and embedded processors, semi-custom System-on-Chip (SoC) products, development services and technology for game consoles.

We also license portions of our intellectual property (IP) portfolio.

In this section, we will describe the general financial condition and the results of operations of Advanced Micro Devices, Inc. and its wholly-owned subsidiaries (collectively, "us," "our" or "AMD"), including a discussion of our

results of operations for the three and six months ended June 27, 2020 compared to the prior year period, an analysis of changes in our financial condition and a discussion of our contractual obligations.

Net revenue for the three months ended June 27, 2020 was \$1.9 billion, a 26% increase compared to the prior year period. The increase was primarily due to a 45% increase in Computing and Graphics net revenue, partially offset by a 4% decrease in Enterprise, Embedded and Semi-Custom net revenue. The increase in Computing and Graphics segment net revenue was primarily due to higher sales of our Ryzen™ processors. The decrease in Enterprise, Embedded and Semi-Custom net revenue was primarily due to lower semi-custom revenue, partially offset by higher EPYC™ server processor revenue.

Our operating income for the three months ended June 27, 2020 was \$173 million compared to operating income of \$59 million for the prior year period. Our net income for the three months ended June 27, 2020 was \$157 million compared to net income of \$35 million for the prior year period. The increase in operating income and net income was primarily driven by revenue growth and a greater percentage of our Ryzen and EPYC server processor sales which more than offset higher operating expenses.

Cash, cash equivalents and marketable securities as of June 27, 2020 were \$1.8 billion, compared to \$1.5 billion as of December 28, 2019.

During the second quarter of 2020, we announced a number of new additions to our 3rd Gen AMD Ryzen desktop processor family. In April 2020, we introduced the AMD Ryzen 3 3100 and AMD Ryzen 3 3300X for the mainstream market. In addition, we introduced the AMD B550 Chipset for Socket AM4 design for our 3rd Gen AMD Ryzen desktop processors. In June 2020, our 3rd Gen AMD Ryzen desktop processor family was further expanded with AMD Ryzen 9 3900XT, AMD Ryzen 7 3800XT and AMD Ryzen 5 3600XT processors for the enthusiast market. We also broadened our AM4 platform offerings with AMD B550 and A520 chipsets. We expanded our professional offerings with the AMD Radeon™ Pro VII workstation graphics card designed for broadcast and engineering professionals.

We continue to monitor the ongoing novel coronavirus (COVID-19) situation. While many of our offices remain open to enable critical on-site business functions in accordance with local government guidelines, most of our employees continue to work from home. During the second quarter of 2020, the majority of our employees in China returned to work and we resumed normal business operations subject to local government health measures. While COVID-19 has impacted our business operations and practices, and we expect that it may continue to impact our business, we experienced limited financial disruption during the second quarter of 2020 from COVID-19.

Our focus remains on promoting employee health and safety and supporting our employees so that they can continue to be productive as they work from home. We continue to monitor demand signals as we adjust our supply chain requirements based on changing customer needs and demands. We also continue to assess our product schedules and roadmaps to make any adjustments that may be necessary to support remote working requirements and address the geographic and market demand shifts caused by COVID-19.

We intend the discussion of our financial condition and results of operations that follows to provide information that will assist you in understanding our financial statements, the changes in certain key items in those financial statements from year to year and quarter to quarter, the primary factors that resulted in those changes, and how certain accounting principles, policies and estimates affect our financial statements.

Results of Operations

We report our financial performance based on the following two reportable segments: the Computing and Graphics segment and the Enterprise, Embedded and Semi-Custom segment.

Additional information on our reportable segments is contained in Note 10—Segment Reporting of the notes to condensed consolidated financial statements (Part I, Financial Information of this Form 10-Q).

Our operating results tend to vary seasonally. Historically, our net revenue has been generally higher in the second half of the year than in the first half of the year, although market conditions and product transitions could impact these trends.

The following table provides a summary of net revenue and operating income (loss) by segment:

	Three Months Ended		Six Months Ended	
	June 27, 2020	June 29, 2019	June 27, 2020	June 29, 2019
(In millions)				
Net revenue:				
Computing and Graphics	\$ 1,367	\$ 940	\$ 2,805	\$ 1,771
Enterprise, Embedded and Semi-Custom	565	591	913	1,032
Total net revenue	\$ 1,932	\$ 1,531	\$ 3,718	\$ 2,803
Operating income (loss):				
Computing and Graphics	\$ 200	\$ 22	\$ 462	\$ 38
Enterprise, Embedded and Semi-Custom	33	89	7	157
All Other	(60)	(52)	(119)	(98)
Total operating income	\$ 173	\$ 59	\$ 350	\$ 97

Computing and Graphics

Computing and Graphics net revenue of \$1.4 billion for the three months ended June 27, 2020 increased by 45%, compared to net revenue of \$940 million for the prior year period, primarily as a result of a 33% increase in unit shipments and a 7% increase in average selling price. The increase in unit shipments was primarily due to higher demand for our Ryzen processors. The increase in average selling price was primarily driven by a richer mix of client processors from higher sales of our Ryzen processors which have a higher average selling price, partially offset by lower average selling price for our Radeon channel products.

Computing and Graphics net revenue of \$2.8 billion for the six months ended June 27, 2020 increased by 58%, compared to net revenue of \$1.8 billion for the prior year period, primarily as a result of a 35% increase in unit shipments and a 13% increase in average selling price. The increase in unit shipments was primarily due to higher demand for our Ryzen processors. The increase in average selling price was primarily driven by a richer mix of client processors from higher sales of our Ryzen processors which have a higher average selling price, partially offset by lower average selling price for our Radeon channel products and data center GPUs.

Computing and Graphics operating income was \$200 million for the three months ended June 27, 2020, compared to operating income of \$22 million for the prior year period. Computing and Graphics operating income was \$462 million for the six months ended June 27, 2020, compared to operating income of \$38 million for the prior year period. The increase in operating income for both periods was primarily driven by higher sales which more than offset higher operating expenses. Operating expenses increased for the reasons outlined under "Expenses" below.

Enterprise, Embedded and Semi-Custom

Enterprise, Embedded and Semi-Custom net revenue of \$565 million for the three months ended June 27, 2020 decreased by 4%, compared to net revenue of \$591 million for the prior year period. Enterprise, Embedded and Semi-Custom net revenue of \$913 million for the six months ended June 27, 2020 decreased by 12%, compared to net revenue of \$1.0 billion for the prior year period. The decrease in both periods was primarily driven by lower semi-custom revenue, partially offset by higher sales of our EPYC server processors.

Enterprise, Embedded and Semi-Custom operating income was \$33 million for the three months ended June 27, 2020 compared to operating income of \$89 million for the prior year period. The decrease in operating income was primarily due to higher operating expenses and lower net revenue in the current period. Operating expenses increased for the reasons outlined under "Expenses" below.

Enterprise, Embedded and Semi-Custom operating income was \$7 million for the six months ended June 27, 2020 compared to operating income of \$157 million for the prior year period. The decrease in operating income was primarily due to the recognition of a \$60 million licensing gain in the prior year period and higher operating expenses in the current period. Operating expenses increased for the reasons outlined under "Expenses" below.

All Other

All Other operating loss consisted of \$60 million of stock-based compensation expense for the three months ended June 27, 2020. All Other operating loss of \$52 million for the prior year period consisted of \$45 million of stock-based compensation expense and a \$7 million contingent loss in connection with a legal matter.

All Other operating loss consisted of \$119 million of stock-based compensation expense for the six months ended June 27, 2020. All Other operating loss of \$98 million for the prior year period consisted of \$86 million of stock-based compensation expense and a \$12 million contingent loss in connection with a legal matter.

International Sales

International sales as a percentage of net revenue were 79% for the three months ended June 27, 2020 and 71% for the prior year period. International sales as a percentage of net revenue were 81% for the six months ended June 27, 2020 and 74% for the prior year period.

We expect that international sales will continue to be a significant portion of total sales in the foreseeable future. Substantially all of our sales transactions were denominated in U.S. dollars.

Comparison of Gross Margin, Expenses, Licensing Gain, Interest Expense, Other Income (Expense) and Income Taxes

The following is a summary of certain condensed consolidated statement of operations data for the periods indicated:

	Three Months Ended		Six Months Ended	
	June 27, 2020	June 29, 2019	June 27, 2020	June 29, 2019
	(In millions except for percentages)			
Cost of sales	\$ 1,084	\$ 910	\$ 2,052	\$ 1,661
Gross profit	848	621	1,666	1,142
Gross margin percentage	44 %	41 %	45 %	41 %
Research and development	460	373	902	746
Marketing, general and administrative	215	189	414	359
Licensing gain	—	—	—	(60)
Interest expense	(14)	(25)	(27)	(52)
Other income (expense), net	1	3	5	(4)
Income tax provision (benefit)	4	2	10	(11)

Gross Margin

Gross margin as a percentage of net revenue was 44% for the three months ended June 27, 2020, compared to 41% for the prior year period. Gross margin as a percentage of net revenue was 45% for the six months ended June 27, 2020, compared to 41% for the prior year period. The increase in gross margin for both periods was primarily driven by a greater percentage of sales of Ryzen and EPYC processors, which have a higher gross margin than the corporate average.

Expenses

Research and Development Expenses

Research and development expenses of \$460 million for the three months ended June 27, 2020 increased by \$87 million, or 23%, compared to \$373 million for the prior year period. Research and development expenses of \$902 million for the six months ended June 27, 2020 increased by \$156 million, or 21%, compared to \$746 million for the prior year period. The increase for both periods was primarily due to an increase in product development costs in both the Computing and Graphics and Enterprise and Embedded and Semi-Custom segments.

Marketing, General and Administrative Expenses

Marketing, general and administrative expenses of \$215 million for the three months ended June 27, 2020 increased by \$26 million, or 14%, compared to \$189 million for the prior year period, primarily due to an increase in go to market activities in the Enterprise, Embedded and Semi-Custom segment and higher general and administrative expenses in both the Computing and Graphics and Enterprise and Embedded and Semi-Custom segments.

Marketing, general and administrative expenses of \$414 million for the six months ended June 27, 2020 increased by \$55 million, or 15%, compared to \$359 million for the prior year period, primarily due to an increase in go to market activities and general and administrative expenses in both the Computing and Graphics and Enterprise, Embedded and Semi-Custom segments.

Licensing Gain

During the six months ended June 29, 2019, we recognized \$60 million as licensing gain associated with licensed IP to the THATIC JV. See Note 3—Related Parties—Equity Joint Ventures of the Notes to Condensed Consolidated Financial Statements (Part 1, Financial Information of this Form 10-Q) for additional information. We did not recognize a licensing gain in the three and six months ended June 27, 2020.

Interest Expense

Interest expense for the three months ended June 27, 2020 was \$14 million compared to \$25 million for the prior year period. Interest expense for the six months ended June 27, 2020 was \$27 million compared to \$52 million for the prior year period. The decrease for both periods was due to lower debt balances.

Other Income (Expense), Net

Other income, net was \$1 million for the three months ended June 27, 2020, compared to Other income, net of \$3 million for the prior year period.

Other income, net was \$5 million for the six months ended June 27, 2020, compared to Other expense, net of \$4 million for the prior year period. The change was primarily due to the recognition of \$8 million loss on extinguishment of debt in the prior year period.

Income Tax Provision (Benefit)

For the three months ended June 27, 2020, we recorded an income tax provision of \$4 million associated with foreign income taxes and withholding taxes. For the prior year period, we recorded an income tax provision of \$2 million, consisting primarily of foreign income taxes in profitable locations.

For the six months ended June 27, 2020, we recorded an income tax provision of \$10 million associated with foreign income taxes and withholding taxes. For the prior year period, we recorded an income tax benefit of \$11 million, consisting primarily of a \$13 million credit to U.S. income taxes due to the completion of certain internal tax structuring and \$2 million of foreign income taxes in profitable locations.

We regularly evaluate the realizability of our net deferred tax assets. As of June 27, 2020, substantially all our U.S. and foreign deferred tax assets, net of deferred tax liabilities, were subject to valuation allowances. If our financial results continue to improve, our assessment of the realization of our net deferred tax assets could result in the release of some or all the valuation allowances. Such a release would result in a material non-cash income tax benefit in our condensed consolidated statement of operations in the period of release and the recording of additional deferred tax assets on our condensed consolidated balance sheet. There is a reasonable possibility that within the next several quarters, sufficient positive evidence becomes available to reach a conclusion that all or a significant portion of the valuation allowances against our US net deferred tax assets would no longer be required.

FINANCIAL CONDITION

Liquidity and Capital Resources

As of June 27, 2020, our cash and cash equivalents were \$1.8 billion, compared to \$1.5 billion of cash, cash equivalents and marketable securities as of December 28, 2019. The percentage of cash and cash equivalents held domestically was 96% as of June 27, 2020 and 90% as of December 28, 2019.

Our operating, investing and financing activities for the six months ended June 27, 2020 compared to the prior year period are as described below:

	Six Months Ended	
	June 27, 2020	June 29, 2019
	(In millions)	
Net cash provided by (used in):		
Operating activities	\$ 178	\$ (183)
Investing activities	\$ (109)	\$ (180)
Financing activities	\$ 240	\$ 248

The aggregate principal amount of our outstanding debt obligations was \$763 million and \$563 million as of June 27, 2020 and December 28, 2019, respectively. On July 6, 2020, we repaid the \$200 million borrowing under the Secured Revolving Facility (refer to Note 4—Debt and Secured Revolving Facility of the notes to condensed consolidated financial statements).

We believe our cash and cash equivalents along with our Secured Revolving Facility will be sufficient to fund operations, including capital expenditures, over the next 12 months. We believe we will be able to access the capital markets should we require additional funds. However, we cannot assure that such funds will be available on favorable terms, or at all.

Operating Activities

Net cash provided by operating activities was \$178 million for the six months ended June 27, 2020 compared to net cash used in operating activities of \$183 million for the prior year period. The increase was primarily due to higher net income and an increase in cash collections on accounts receivable, partially offset by an increase in inventory purchases compared with the prior year period.

Investing Activities

Net cash used in investing activities was \$109 million for the six months ended June 27, 2020, which primarily consisted of \$146 million for purchases of property and equipment and \$55 million for purchases of available-for-sale debt securities, partially offset by \$92 million for maturities of available-for-sale debt securities.

Net cash used in investing activities was \$180 million for the six months ended June 29, 2019, which primarily consisted of \$231 million for purchases of available-for-sale debt securities and \$120 million for purchases of property and equipment, partially offset by \$144 million for maturities of available-for-sale debt securities.

Financing Activities

Net cash provided by financing activities was \$240 million for the six months ended June 27, 2020, which primarily consisted of proceeds from short-term borrowing of \$200 million and from the issuance of common stock under our employee equity plans of \$42 million.

Net cash provided by financing activities was \$248 million for the six months ended June 29, 2019, which primarily consisted of a cash inflow of \$449 million from the warrant exercised by West Coast Hitech L.P. and \$35 million from the issuance of common stock under our employee equity plans, partially offset by \$234 million cash outflows for the redemption of our 6.75% Senior Notes due 2019, repurchase of some of our 7.50% Senior Notes due 2020 and 7.00% Senior Notes due 2024, and repayment of our outstanding loan balance of \$70 million when we terminated our secured revolving line of credit under the Amended and Restated Loan and Security Agreement dated as of April 14, 2015.

Contractual Obligations

Other than the \$200 million borrowing under the Secured Revolving Facility, there were no material changes in our contractual obligations from those disclosed in our Annual Report on Form 10-K for the fiscal year ended December 28, 2019. The Company subsequently repaid the \$200 million borrowing under the Secured Revolving Facility on July 6, 2020.

Refer to Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations - Liquidity and Capital Resources" in our Annual Report on Form 10-K for the fiscal year ended December 28, 2019 for details of our contractual obligations.

Off-Balance Sheet Arrangements

As of June 27, 2020, we had no off-balance sheet arrangements.

Critical Accounting Estimates

Our discussion and analysis of our financial condition and results of operations are based upon our condensed consolidated financial statements, which have been prepared in accordance with U.S. generally accepted accounting principles (U.S. GAAP). The preparation of our financial statements requires us to make estimates and judgments that affect the reported amounts in our condensed consolidated financial statements. We evaluate our estimates on an on-going basis, including those related to our net revenue, inventories, asset impairments and income taxes. We base our estimates on historical experience and on various other assumptions that we believe to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of our assets and liabilities. Although actual results have historically been reasonably consistent with management's expectations, the actual results may differ from these estimates or our estimates may be affected by different assumptions or conditions.

Management believes there have been no significant changes for the three and six months ended June 27, 2020 to the items that we disclosed as our critical accounting estimates in the Management's Discussion and Analysis of Financial Condition and Results of Operations section of our Annual Report on Form 10-K for the fiscal year ended December 28, 2019.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Reference is made to “Part II, Item 7A, Quantitative and Qualitative Disclosures About Market Risk,” in our Annual Report on Form 10-K for the fiscal year ended December 28, 2019.

There have not been any material changes in interest rate risk, default risk or foreign exchange risk since December 28, 2019.

ITEM 4. CONTROLS AND PROCEDURES

We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in our reports made under the Securities Exchange Act of 1934, as amended, is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer as appropriate, to allow for timely decisions regarding required disclosure. In designing and evaluating our disclosure controls and procedures, our management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives, and our management is required to apply its judgment in evaluating the cost-benefit relationship of possible controls and procedures.

As of June 27, 2020, the end of the period covered by this report, we carried out an evaluation, under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, of the effectiveness of the design and operation of our disclosure controls and procedures. Based on the foregoing, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were effective at the reasonable assurance level.

There was no change in our internal controls over financial reporting for our three months ended June 27, 2020 that materially affected, or is reasonably likely to materially affect, our internal controls over financial reporting.

PART II. OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

For a discussion of our legal proceedings, refer to Note 11—Contingencies of the Notes to Condensed Consolidated Financial Statements (Part I, Item 1 of this Form 10-Q).

ITEM 1A. RISK FACTORS

The risks and uncertainties described below are not the only ones we face. If any of the following risks actually occurs, our business, financial condition or results of operations could be materially adversely affected. In addition, you should consider the interrelationship and compounding effects of two or more risks occurring simultaneously. Many of the risks and uncertainties described below may be exacerbated by the COVID-19 pandemic and any worsening of the global business and economic environment as a result.

Intel Corporation's dominance of the microprocessor market and its aggressive business practices may limit our ability to compete effectively.

Intel Corporation has been the market share leader for microprocessors for many years. Intel's market share, margins and significant financial resources enable it to market its products aggressively, to target our customers and our channel partners with special incentives and to influence customers who do business with us. These aggressive activities have in the past resulted in lower unit sales and a lower average selling price for many of our products and adversely affect our margins and profitability.

Intel exerts substantial influence over computer manufacturers and their channels of distribution through various brand and other marketing programs. As a result of Intel's position in the microprocessor market, Intel has been able to control x86 microprocessor and computer system standards and benchmarks and to dictate the type of products the microprocessor market requires of us. Intel also dominates the computer system platform, which includes core logic chipsets, graphics chips, networking devices (wired and wireless), non-volatile storage and other components necessary to assemble a computer system. Additionally, Intel is able to drive de facto standards and specifications for x86 microprocessors that could cause us and other companies to have delayed access to such standards.

As long as Intel remains in this dominant position, we may be materially adversely affected by Intel's business practices, including rebating and allocation strategies and pricing actions, designed to limit our market share and margins; product mix and introduction schedules; product bundling, marketing and merchandising strategies; exclusivity payments to its current and potential customers, retailers and channel partners; de facto control over industry standards, and heavy influence on PC manufacturers and other PC industry participants, including motherboard, memory, chipset and basic input/output system (BIOS) suppliers and software companies as well as the graphics interface for Intel platforms; and marketing and advertising expenditures in support of positioning the Intel brand over the brand of its original equipment manufacturer (OEM) customers and retailers.

Intel has substantially greater financial resources than we do and accordingly spends substantially greater amounts on marketing and research and development than we do. We expect Intel to continue to invest heavily in marketing, research and development, new manufacturing facilities and other technology companies. To the extent Intel manufactures a significantly larger portion of its microprocessor products using more advanced process technologies, or introduces competitive new products into the market before we do, we may be more vulnerable to Intel's aggressive marketing and pricing strategies for microprocessor products.

Intel could also take actions that place our discrete graphics processing units (GPUs) at a competitive disadvantage, including giving one or more of our competitors in the graphics market, such as Nvidia Corporation, preferential access to its proprietary graphics interface or other useful information. Also, Intel has announced that it is developing their own high-end discrete GPUs. Intel's position in the microprocessor market and integrated graphics chipset market, its introduction of competitive new products, its existing relationships with top-tier OEMs, and its aggressive marketing and pricing strategies could result in lower unit sales and lower average selling prices for our products, which could have a material adverse effect on us.

We rely on third parties to manufacture our products, and if they are unable to do so on a timely basis in sufficient quantities and using competitive technologies, our business could be materially adversely affected.

We rely on third-party wafer foundries to fabricate the silicon wafers for all of our products. We also rely on third-party manufacturers to assemble, test, mark and pack (ATMP) our products. It is important to have reliable

relationships with all of these third-party manufacturing suppliers to ensure adequate product supply to respond to customer demand.

We cannot guarantee that these manufacturers or our other third-party manufacturing suppliers will be able to meet our near-term or long-term manufacturing requirements. If we experience supply constraints from our third-party manufacturing suppliers, we may be required to allocate the affected products amongst our customers, which could have a material adverse effect on our relationships with these customers and on our financial condition. In addition, if we are unable to meet customer demand due to fluctuating or late supply from our manufacturing suppliers, it could result in lost sales and have a material adverse effect on our business.

We do not have long-term commitment contracts with some of our third-party manufacturing suppliers. We obtain some of these manufacturing services on a purchase order basis and these manufacturers are not required to provide us with any specified minimum quantity of product beyond the quantities in an existing purchase order. Accordingly, we depend on these suppliers to allocate to us a portion of their manufacturing capacity sufficient to meet our needs, to produce products of acceptable quality and at acceptable manufacturing yields and to deliver those products to us on a timely basis and at acceptable prices. The manufacturers we use also fabricate wafers and ATMP products for other companies, including certain of our competitors. They could choose to prioritize capacity for other customers, increase the prices that they charge us on short notice or reduce or eliminate deliveries to us, which could have a material adverse effect on our business.

Other risks associated with our dependence on third-party manufacturers include limited control over delivery schedules and quality assurance, lack of capacity in periods of excess demand, misappropriation of our intellectual property, dependence on several small undercapitalized subcontractors and limited ability to manage inventory and parts. Moreover, if any of our third-party manufacturers suffer any damage to facilities, lose benefits under material agreements, experience power outages, lack sufficient capacity to manufacture our products, encounter financial difficulties, are unable to secure necessary raw materials from their suppliers or suffer any other disruption or reduction in efficiency, we may encounter supply delays or disruptions. If we are unable to secure sufficient or reliable supplies of products, our ability to meet customer demand may be adversely affected and this could materially affect our business.

If we transition the production of some of our products to new manufacturers, we may experience delayed product introductions, lower yields or poorer performance of our products. If we experience problems with product quality or are unable to secure sufficient capacity from a particular third-party manufacturer, or if we for other reasons cease utilizing one of those suppliers, we may be unable to secure an alternative supply for any specific product in a short time frame. We could experience significant delays in the shipment of our products if we are required to find alternative third-party manufacturers, which could have a material adverse effect on our business.

We are a party to a wafer supply agreement (WSA) with GLOBALFOUNDRIES, Inc. (GF) that governs the terms by which we purchase products manufactured by GF and is in place until 2024. Pursuant to the WSA, we are required to purchase all of our microprocessor and APU product requirements and a certain portion of our GPU product requirements from GF manufactured at process nodes larger than 7 nanometer (nm), with limited exceptions. We have agreed to minimum annual wafer purchase targets through 2021. If we fail to meet the agreed wafer purchase target during a calendar year, we will be required to pay to GF a portion of the difference between our actual wafer purchases and the applicable annual purchase target. If our actual wafer requirements are less than the number of wafers required to meet the applicable annual wafer purchase target, we could have excess inventory or higher inventory unit costs, both of which may adversely impact our gross margin and our results of operations. We could experience significant delays in the shipment of our products if we are required to find alternative third-party manufacturers, which could have a material adverse effect on our business.

We are party to two ATMP joint ventures (collectively, the ATMP JVs) with Tongfu Microelectronics Co., Ltd. The majority of our ATMP services are provided by the ATMP JVs and there is no guarantee that the ATMP JVs will be able to fulfill our long-term ATMP requirements. If we are unable to meet customer demand due to fluctuating or late supply from the ATMP JVs, it could result in lost sales and have a material adverse effect on our business.

Failure to achieve expected manufacturing yields for our products could negatively impact our financial results.

Semiconductor manufacturing yields are a result of both product design and process technology, which is typically proprietary to the manufacturer, and low yields can result from design failures, process technology failures or a combination of both. Our third-party foundries are responsible for the process technologies used to fabricate silicon wafers. If our third-party foundries experience manufacturing inefficiencies or encounter disruptions, errors or

difficulties during production, we may fail to achieve acceptable yields or experience product delivery delays. We cannot be certain that our third-party foundries will be able to develop, obtain or successfully implement leading-edge process technologies needed to manufacture future generations of our products profitably or on a timely basis or that our competitors will not develop new technologies, products or processes earlier. Moreover, during periods when foundries are implementing new process technologies, their manufacturing facilities may not be fully productive. A substantial delay in the technology transitions to smaller process technologies could have a material adverse effect on us, particularly if our competitors transition to more cost effective technologies before us. For example, we are presently focusing our 7 nanometer (nm) product portfolio on Taiwan Semiconductor Co., Ltd.'s (TSMC) 7nm process. If TSMC is not able to manufacture our 7nm products in sufficient quantities to meet customer demand, it could have a material adverse effect on our business.

Any decrease in manufacturing yields could result in an increase in per unit costs, which would adversely impact our gross margin and/or force us to allocate our reduced product supply amongst our customers, which could harm our relationships and reputation with our customers and materially adversely affect our business.

The success of our business is dependent upon our ability to introduce products on a timely basis with features and performance levels that provide value to our customers while supporting and coinciding with significant industry transitions.

Our success depends to a significant extent on the development, qualification, implementation and acceptance of new product designs and improvements that provide value to our customers. Our ability to develop, qualify and distribute, and have manufactured, new products and related technologies to meet evolving industry requirements, at prices acceptable to our customers and on a timely basis are significant factors in determining our competitiveness in our target markets. As consumers have new product feature preferences or have different requirements than those consumers in the PC market, PC sales could be negatively impacted, which could adversely impact our business. Our product roadmap includes our next generation AMD Ryzen™, AMD Radeon™ and AMD EPYC™ processors using 7nm process technology. We cannot assure you that our efforts to execute our product roadmap will result in innovative products and technologies that provide value to our customers. If we fail to or are delayed in developing, qualifying or shipping new products or technologies that provide value to our customers and address these new trends or if we fail to predict which new form factors consumers will adopt and adjust our business accordingly, we may lose competitive positioning, which could cause us to lose market share and require us to discount the selling prices of our products. Although we make substantial investments in research and development, we cannot be certain that we will be able to develop, obtain or successfully implement new products and technologies on a timely basis or that they will be well-received by our customers. Moreover, our investments in new products and technologies involve certain risks and uncertainties and could disrupt our ongoing business. New investments may not generate sufficient revenue, may incur unanticipated liabilities and may divert our limited resources and distract management from our current operations. We cannot be certain that our ongoing investments in new products and technologies will be successful, will meet our expectations and will not adversely affect our reputation, financial condition and operating results.

Delays in developing, qualifying or shipping new products can also cause us to miss our customers' product design windows or, in some cases, breach contractual obligations or cause us to pay penalties. If our customers do not include our products in the initial design of their computer systems or products, they will typically not use our products in their systems or products until at least the next design configuration. The process of being qualified for inclusion in a customer's system or product can be lengthy and could cause us to further miss a cycle in the demand of end-users, which also could result in a loss of market share and harm our business. We also depend on the success and timing of our customers' platform launches. If our customers delay their product launches or if our customers do not effectively market their platforms with our products, it could result in a delay in bringing our products to market and cause us to miss a cycle in the demand of end-users, which could materially adversely affect our business. In addition, market demand requires that products incorporate new features and performance standards on an industry-wide basis. Over the life of a specific product, the sale price is typically reduced over time. The introduction of new products and enhancements to existing products is necessary to maintain the overall corporate average selling price. If we are unable to introduce new products with sufficiently high sale prices or to increase unit sales volumes capable of offsetting the reductions in the sale prices of existing products over time, our business could be materially adversely affected.

Global economic and market uncertainty may adversely impact our business and operating results.

Uncertain global economic conditions have in the past and may in the future adversely impact our business, including, without limitation, a slowdown in the Chinese economy, one of the largest global markets for desktop and

notebook PCs. Uncertainty in the worldwide economic environment may negatively impact consumer confidence and spending causing our customers to postpone purchases. In addition, during challenging economic times, our current or potential future customers may experience cash flow problems and as a result may modify, delay or cancel plans to purchase our products. Additionally, if our customers are not successful in generating sufficient revenue or are unable to secure financing, they may not be able to pay, or may delay payment of, accounts receivable that they owe us. The risk related to our customers' potentially defaulting on or delaying payments to us is increased because we expect that a small number of customers will continue to account for a substantial part of our revenue. Any inability of our current or potential future customers to pay us for our products may adversely affect our earnings and cash flow. Moreover, our key suppliers may reduce their output or become insolvent, thereby adversely impacting our ability to manufacture our products. In addition, uncertain economic conditions may make it more difficult for us to raise funds through borrowings or private or public sales of debt or equity securities.

The loss of a significant customer may have a material adverse effect on us.

We depend on a small number of customers for a substantial portion of our business and we expect that a small number of customers will continue to account for a significant part of our revenue in the future. If one of our key customers decides to stop buying our products, or if one of these customers materially reduces its operations or its demand for our products, our business would be materially adversely affected.

Our receipt of revenue from our semi-custom SoC products is dependent upon our technology being designed into third-party products and the success of those products.

The revenue that we receive from our semi-custom SoC products is in the form of non-recurring engineering fees charged to third parties for design and development services and revenue received in connection with sales of our semi-custom SoC products to these third parties. As a result, our ability to generate revenue from our semi-custom products depends on our ability to secure customers for our semi-custom design pipeline, our customers' desire to pursue the project, and our semi-custom SoC products being incorporated into those customer's products. Any revenue from sales of our semi-custom SoC products is directly related to sales of the third-party's products and reflective of their success in the market. Moreover, we have no control over the marketing efforts of these third parties, and we cannot make any assurances that sales of their products will be successful in current or future years. Consequently, the semi-custom SoC product revenue expected by us may not be fully realized and our operating results may be adversely affected.

The ongoing novel coronavirus (COVID-19) pandemic could materially adversely affect our business, financial condition and results of operations.

The COVID-19 pandemic has caused government authorities to implement numerous public health measures, including quarantines, business closures, travel bans, and restrictions related to social gathering and mobility, to contain the virus. We have experienced and expect to continue to experience disruptions to our business as these measures have, and will continue to have, an effect on our business operations and practices.

While many of our offices around the world remain open to enable critical on-site business functions in compliance with government guidelines, most of our employees continue to work from home. It is uncertain as to when the measures put in place to attempt to contain the spread of COVID-19 will be lifted or whether there will be additional measures put into place. If COVID-19 continues to spread or there is a second wave of the virus, we may need to further limit operations or modify our business practices in a manner that may impact our business. If our employees are not able to perform their job duties due to self-isolation, quarantine, travel restrictions or illness, or are unable to perform them as efficiently at home for an extended period of time, we may not be able to meet our product schedules, roadmaps and customer commitments and we may experience an overall lower productivity of our workforce. We continue to monitor our operations and public health measures implemented by governmental authorities in response to COVID-19. Although some public health measures have eased and a small portion of our employees are slowly returning to work, our efforts to reopen our offices safely may not be successful and could expose our employees to health risks. Even when COVID-19 measures regarding mobility are lifted or modified, our employees' ability to return to work may delay the return of our full workforce and the resumption of normal business operations.

We have experienced some disruptions to parts of our supply chain as the result of COVID-19. We continue to monitor demand signals as we adjust our supply chain requirements based on changing customer needs and demands. If the supply of our products to customers is delayed, reduced or canceled due to disruptions

encountered by our third-party manufacturing, suppliers or vendors as a result of facility closures, border and port closures, and mobility limitations put on their workforces, it could have a material adverse effect on our business.

COVID-19 has in the short-term and may in the long-term adversely impact the global economy, potentially leading to an economic downturn. This could negatively impact consumer confidence and spending causing our customers to postpone or cancel purchases, or delay paying or default on payment of outstanding amounts due to us, which may have a material adverse effect on our business. For example, we experienced some softness in PC related sales in China, one of the largest global markets for desktop and notebook PCs, during the first quarter of 2020. Also, we experienced some delays in payments from customers due to COVID-19 during the first half of 2020.

COVID-19 has also led to a disruption and volatility in the global capital and financial markets. While we believe our cash and cash equivalents along with our Secured Revolving Facility will be sufficient to fund operations, including capital expenditures, over the next 12 months, to the extent we may require additional funding to finance our operations and capital expenditures and such funding may not be available to us as a result of contracting capital and financial markets resulting from COVID-19, it may have an adverse effect on our business.

The extent to which COVID-19 impacts our business and financial results will depend on future developments, which are unpredictable and highly uncertain, including the continued spread, duration and severity of the outbreak, the breadth and duration of business disruptions related to COVID-19, and public health measures and actions taken throughout the world to contain COVID-19. The prolonged effect of COVID-19 could materially adversely impact our business, financial condition and results of operations.

Our worldwide operations are subject to political, legal and economic risks and natural disasters, which could have a material adverse effect on us.

We maintain operations around the world, including in the United States, Canada, Europe, Australia and Asia. We rely on third-party wafer foundries in the United States, Europe and Asia. Nearly all product assembly and final testing of our products is performed at manufacturing facilities, operated by third-party manufacturing facilities, in China, Malaysia and Taiwan. We also have international sales operations. International sales, as a percent of net revenue, were 79% for the three months ended June 27, 2020. We expect that international sales will continue to be a significant portion of total sales in the foreseeable future.

The political, legal and economic risks associated with our operations in foreign countries include, without limitation: expropriation; changes in a specific country's or region's political or economic conditions; changes in tax laws, trade protection measures and import or export licensing requirements; difficulties in protecting our intellectual property; difficulties in managing staffing and exposure to different employment practices and labor laws; changes in foreign currency exchange rates; restrictions on transfers of funds and other assets of our subsidiaries between jurisdictions; changes in freight and interest rates; disruption in air transportation between the United States and our overseas facilities; loss or modification of exemptions for taxes and tariffs; and compliance with U.S. laws and regulations related to international operations, including export control and economic sanctions laws and regulations and the Foreign Corrupt Practices Act.

In addition, our worldwide operations (or those of our business partners) could be subject to natural disasters such as earthquakes, tsunamis, flooding, typhoons, fires and volcanic eruptions that disrupt manufacturing or other operations. For example, our Santa Clara operations are located near major earthquake fault lines in California. There may be conflict or uncertainty in the countries in which we operate, including public health issues (for example, an outbreak of a contagious disease such as a novel strain of the coronavirus (COVID-19), avian influenza, measles or Ebola), safety issues, natural disasters, fire, disruptions of service from utilities, nuclear power plant accidents or general economic or political factors. For example, governments worldwide have implemented, and continue to implement, measures to slow down the outbreak of COVID-19. We have experienced and will continue to experience disruptions to our business as these measures have, and will continue to have, an effect on our business operations and practices. Also, the European Union's General Data Protection Regulation imposes significant new requirements on how we collect, process and transfer personal data, as well as significant fines for non-compliance. Any of the above risks, should they occur, could result in an increase in the cost of components, production delays, general business interruptions, delays from difficulties in obtaining export licenses for certain technology, tariffs and other barriers and restrictions, longer payment cycles, increased taxes, restrictions on the repatriation of funds and the burdens of complying with a variety of foreign laws, any of which could ultimately have a material adverse effect on our business.

Government actions and regulations such as export administration regulations, tariffs, and trade protection measures, may limit our ability to export our products to certain customers.

We have equity interests in two joint ventures (collectively, the THATIC JV) with Higon Information Technology Co., Ltd. (THATIC), a third party Chinese entity. In June 2019, the Bureau of Industry and Security (BIS) of the United States Department of Commerce added certain Chinese entities to the Entity List, including THATIC and the THATIC JV. In October 2019, the BIS added additional Chinese entities to the Entity List. Also, the United States administration has called for changes to domestic and foreign policy. Specifically, United States-China trade relations remain uncertain. The United States administration has announced tariffs on certain products imported into the United States with China as the country of origin, and China has imposed tariffs in response to the actions of the United States. We are taking steps to mitigate the impact of these tariffs on our business and AMD processor-based products. There is also a possibility of future tariffs, trade protection measures, import or export regulations or other restrictions imposed on our products or on our customers by the United States, China or other countries that could have a material adverse effect on our business. A significant trade disruption or the establishment or increase of any tariffs, trade protection measures or restrictions could result in lost sales adversely impacting our reputation and business.

Our products may be subject to security vulnerabilities that could have a material adverse effect on us.

The products that we sell are complex and may be subject to security vulnerabilities that could result in, among other things, the loss, corruption, theft or misuse of confidential data or system performance issues. Our efforts to prevent and address security vulnerabilities may decrease performance, be only partially effective or not successful at all. We may also depend on third parties, such as customers, vendors and end users, to deploy our mitigations or create their own, and they may delay, decline or modify the implementation of such mitigations. Our relationships with our customers could be adversely affected as some of our customers may stop purchasing our products, reduce or delay future purchases of our products, or use competing products. Any of these actions by our customers could adversely affect our revenue. We also are subject to claims and litigation related to Spectre side-channel exploits and may face additional claims or litigation for future vulnerabilities. Actual or perceived security vulnerabilities of our products may subject us to adverse publicity, damage to our brand and reputation, and could materially harm our business or financial results.

IT outages, data loss, data breaches and cyber-attacks could compromise our intellectual property or other sensitive information, be costly to remediate or cause significant damage to our business, reputation and operations.

In the ordinary course of our business, we maintain sensitive data on our information technology (IT) assets, and also may maintain sensitive information on our business partners' and third-party providers' IT assets, including our intellectual property and proprietary or confidential business information relating to our business and that of our customers and business partners. Maintaining the security of this information is important to our business and reputation. We believe that companies like AMD have been increasingly subject to a wide variety of security incidents, cyber-attacks, hacking and phishing attacks, business and system disruption attacks, and other attempts to gain unauthorized access. These threats can come from a variety of sources, all ranging in sophistication from an individual hacker or insider threat to a state-sponsored attack. Cyber threats may be generic, or they may be custom-crafted against our information systems. Cyber-attacks have become increasingly more prevalent and much harder to detect, defend against or prevent. Our network and storage applications, as well as those of our customers, business partners, and third-party providers, may be subject to unauthorized access by hackers or breached due to operator error, malfeasance or other system disruptions.

It is often difficult to anticipate or immediately detect such incidents and the damage caused by such incidents. These data breaches and any unauthorized access, misuse or disclosure of our information or intellectual property could compromise our intellectual property and expose sensitive business information. Cyber-attacks on us or our customers, business partners or third party providers could also cause us to incur significant remediation costs, result in product development delays, disrupt key business operations and divert attention of management and key information technology resources. These incidents could also subject us to liability, expose us to significant expense and cause significant harm to our reputation and business.

We also maintain confidential and personally identifiable information about our workers. The confidentiality and integrity of our worker and consumer data is important to our business and our workers and consumers have a high expectation that we adequately protect their personal information.

We anticipate ongoing and increasing costs related to: enhancing and implementing information security controls, including costs related to upgrading application, computer, and network security components; training workers to maintain and monitor our security controls; remediating any data security breach and addressing the related litigation; mitigating reputational harm; and compliance with external regulations, such as the European Union's General Data Protection Regulation and the California Consumer Privacy Act.

We often partner with third-party providers for certain worker services and we may provide certain limited worker information to such third parties based on the scope of the services provided to us. However, if these third parties fail to adopt or adhere to adequate data security practices, or in the event of a breach of their networks, our workers' data may be improperly accessed, used or disclosed.

A breach of data privacy may cause significant disruption of our business operations. Failure to adequately maintain and update our security systems could materially adversely affect our operations and our ability to maintain worker confidence. Failure to prevent unauthorized access to electronic and other confidential information, IT outages, data loss and data breaches could materially adversely affect our financial condition, our competitive position and operating results.

Uncertainties involving the ordering and shipment of our products could materially adversely affect us.

We typically sell our products pursuant to individual purchase orders. We generally do not have long-term supply arrangements with our customers or minimum purchase requirements except that orders generally must be for standard pack quantities. Generally, our customers may cancel orders for standard products more than 30 days prior to shipment without incurring significant fees. We base our inventory levels in part on customers' estimates of demand for their products, which may not accurately predict the quantity or type of our products that our customers will want in the future or ultimately end up purchasing. Our ability to forecast demand is even further complicated when our products are sold indirectly through downstream channel distributors and customers, as our forecasts for demand are then based on estimates provided by multiple parties throughout the downstream channel.

Many of our markets are characterized by short product lifecycles, which can lead to rapid obsolescence and price erosion. In addition, our customers may change their inventory practices on short notice for any reason. We may build inventories during periods of anticipated growth, and the cancellation or deferral of product orders or overproduction due to failure of anticipated orders to materialize could result in excess or obsolete inventory, which could result in write-downs of inventory and an adverse effect on gross margins.

Factors that may result in excess or obsolete inventory, which could result in write-downs of the value of our inventory, a reduction in the average selling price or a reduction in our gross margin include: a sudden or significant decrease in demand for our products; a production or design defect in our products; a higher incidence of inventory obsolescence because of rapidly changing technology and customer requirements; a failure to accurately estimate customer demand for our products, including for our older products as our new products are introduced; or our competitors introducing new products or taking aggressive pricing actions.

Our operating results are subject to quarterly and seasonal sales patterns.

The profile of our sales may be weighted differently during the year. A large portion of our quarterly sales have historically been made in the last month of the quarter. This uneven sales pattern makes prediction of revenue for each financial period difficult and increases the risk of unanticipated variations in quarterly results and financial condition. In addition, our operating results tend to vary seasonally with the markets in which our products are sold. For example, historically, our net revenue has been generally higher in the second half of the year than in the first half of the year, although market conditions and product transitions could impact these trends. Many of the factors that create and affect quarterly and seasonal trends are beyond our control.

The agreements governing our notes and our Secured Revolving Facility impose restrictions on us that may adversely affect our ability to operate our business.

The indenture governing our 7.50% Senior Notes due 2022 (7.50% Notes) contains various covenants which limit our ability to, among other things: incur additional indebtedness; pay dividends and make other restricted payments; make certain investments, including investments in our unrestricted subsidiaries; create or permit certain liens; create or permit restrictions on the ability of certain restricted subsidiaries to pay dividends or make other distributions to us; use the proceeds from sales of assets; enter into certain types of transactions with affiliates; and consolidate or merge or sell our assets as an entirety or substantially as an entirety.

In addition, the Secured Revolving Facility's credit agreement (Credit Agreement) restricts our ability to make cash payments on the notes to the extent that (i) on the date of such payment, an event of default exists under the Credit Agreement or would result therefrom or (ii) if we would have, on a pro forma basis after giving effect to such payment, a consolidated total leverage ratio that exceeds 3.50x. Any of our future debt agreements may contain similar restrictions. If under certain circumstances we fail to make a cash payment on a series of notes when required by the applicable indenture, it would constitute an event of default under such indenture, which, in turn, could constitute an event of default under the agreements governing our other indebtedness.

Our Secured Revolving Facility also contains various covenants which limit our ability to, among other things, incur additional indebtedness and liens, make certain investments, merge or consolidate with other entities, make certain dispositions, create any encumbrance on the ability of a subsidiary to make any upstream payments, make payments with respect to subordinated debt or certain borrowed money prior to its due date and enter into any non-arm's-length transaction with an affiliate (in each case, except for certain customary exceptions).

The agreements governing our notes and our Secured Revolving Facility contain cross-default provisions whereby a default under one agreement would likely result in cross defaults under agreements covering other indebtedness. For example, the occurrence of a default with respect to any indebtedness or any failure to repay indebtedness when due in an amount in excess of (i) \$50 million would cause a cross default under the indentures (to the extent such default would result in the acceleration of such indebtedness) governing our 7.50% Notes and 2.125% Convertible Senior Notes due 2026 (2.125% Notes), and (ii) \$100 million would cause a cross default under the Secured Revolving Facility. The occurrence of a default under any of these borrowing arrangements would permit the applicable note holders or the lenders under our Secured Revolving Facility to declare all amounts outstanding under those borrowing arrangements to be immediately due and payable. If the note holders or the trustee under the indentures governing our 7.50% Notes or 2.125% Notes or the lenders under our Secured Revolving Facility accelerate the repayment of borrowings, we cannot assure you that we will have sufficient assets to repay those borrowings.

The markets in which our products are sold are highly competitive.

The markets in which our products are sold are very competitive and delivering the latest and best products to market on a timely basis is critical to achieving revenue growth. We believe that the main factors that determine our product competitiveness are timely product introductions, product quality, product features and capabilities (including enabling state-of-the-art visual and virtual reality experiences), energy efficiency (including power consumption and battery life), reliability, processor clock speed, performance, size (or form factor), selling price, cost, adherence to industry standards (and the creation of open industry standards), level of integration, software and hardware compatibility, security and stability, brand recognition and availability.

We expect that competition will continue to be intense due to rapid technological changes, frequent product introductions by our competitors or new competitors of products that may provide better performance/experience or that may include additional features that render our products comparatively less competitive. We may also face aggressive pricing by competitors, especially during challenging economic times. In addition, our competitors have significant marketing and sales resources which could increase the competitive environment in a declining market, leading to lower prices and margins. Some competitors may have greater access or rights to complementary technologies, including interface, processor and memory technical information. For instance, with our APU products and other competing solutions with integrated graphics, we believe that demand for additional discrete graphics chips and cards may decrease in the future due to improvements in the quality and performance of integrated graphics. If competitors introduce competitive new products into the market before us, demand for our products could be adversely impacted and our business could be adversely affected. In addition, Intel is seeking to expand its position in integrated graphics for the PC market with high-end discrete graphics solutions for a broad range of computing segments, which may negatively impact our ability to compete in these computing segments.

In addition, we are entering markets with current and new competitors who may be able to adapt more quickly to customer requirements and emerging technologies. We cannot assure you that we will be able to compete successfully against current or new competitors who may have stronger positions in these new markets or superior ability to anticipate customer requirements and emerging industry trends. Furthermore, we may face competition from some of our customers who internally develop the same products as us. We may face delays or disruptions in research and development efforts, or we may be required to invest significantly greater resources in research and development than anticipated. Also, the semiconductor industry has seen several mergers and acquisitions over the last number of years. Further consolidation could adversely impact our business due to there being fewer suppliers, customers and partners in the industry.

If we cannot generate sufficient revenue and operating cash flow or obtain external financing, we may face a cash shortfall and be unable to make all of our planned investments in research and development or other strategic investments.

Our ability to fund research and development expenditures depends on generating sufficient revenue and cash flow from operations and the availability of external financing, if necessary. Our research and development expenditures, together with ongoing operating expenses, will be a substantial drain on our cash flow and may decrease our cash balances. If new competitors, technological advances by existing competitors, or other competitive factors require us to invest significantly greater resources than anticipated in our research and development efforts, our operating expenses would increase. If we are required to invest significantly greater resources than anticipated in research and development efforts without an increase in revenue, our operating results could decline.

We regularly assess markets for external financing opportunities, including debt and equity financing. Additional debt or equity financing may not be available when needed or, if available, may not be available on satisfactory terms. The health of the credit markets may adversely impact our ability to obtain financing when needed. Any downgrades from credit rating agencies such as Moody's or Standard & Poor's may adversely impact our ability to obtain external financing or the terms of such financing. Credit agency downgrades or concerns regarding our credit worthiness may impact relationships with our suppliers, who may limit our credit lines. Our inability to obtain needed financing or to generate sufficient cash from operations may require us to abandon projects or curtail planned investments in research and development or other strategic initiatives. If we curtail planned investments in research and development or abandon projects, our products may fail to remain competitive and our business would be materially adversely affected.

The conversion of the 2.125% Notes may dilute the ownership interest of our existing stockholders, or may otherwise depress the price of our common stock.

The conversion of some or all of the 2.125% Notes may dilute the ownership interests of our existing stockholders. The 2.125% Notes will mature on September 1, 2026, unless earlier redeemed or repurchased by us or converted. During the second calendar quarter of 2020, the sale price of our common stock for conversion was satisfied as of June 30, 2020 and as a result, the 2.125% Notes are eligible for conversion during the third calendar quarter of 2020. Any sales in the public market of our common stock issuable upon such conversion could adversely affect prevailing market prices of our common stock. In addition, the existence of the 2.125% Notes may encourage short selling by market participants because the conversion thereof could be used to satisfy short positions, or the anticipated conversion of the 2.125% Notes into cash and/or shares of our common stock could depress the price of our common stock.

The demand for our products depends in part on the market conditions in the industries into which they are sold. Fluctuations in demand for our products or a market decline in any of these industries could have a material adverse effect on our results of operations.

Industry-wide fluctuations in the computer marketplace have materially adversely affected us in the past and may materially adversely affect us in the future. A large portion of our Computing and Graphics revenue is focused on the consumer desktop PC and notebook segments, which have in the past experienced a decline driven by, among other factors, the adoption of smaller and other form factors, increased competition and changes in replacement cycles. The success of our semi-custom SoC products is dependent on securing customers for our semi-custom design pipeline and consumer market conditions, including the success of the Sony PlayStation®4, Sony PlayStation®4 Pro, Microsoft® Xbox One™ S and Microsoft® Xbox One™ X game console systems and next generation consoles for Sony and Microsoft, worldwide. In addition, the GPU market has at times seen elevated demand due to the application of GPU products to cryptocurrency mining. For example, our GPU revenue has been affected in part by the volatility of the cryptocurrency mining market. Demand for cryptocurrency has changed and is likely to continue to change quickly. For example, China and South Korea have instituted restrictions on cryptocurrency trading and the valuations of the currencies, and corresponding interest in mining of such currencies are subject to significant fluctuations. If we are unable to manage the risks related to the volatility of the cryptocurrency mining market, our GPU business could be materially adversely affected.

Our ability to design and introduce new products in a timely manner is dependent upon third-party intellectual property.

In the design and development of new and enhanced products, we rely on third-party intellectual property such as development and testing tools for software and hardware. Furthermore, certain product features may rely on

intellectual property acquired from third parties. The design requirements necessary to meet customer demand for more features and greater functionality from semiconductor products may exceed the capabilities of the third-party intellectual property or development or testing tools available to us. If the third-party intellectual property that we use becomes unavailable, is not available with required functionality or performance in the time frame, manufacturing technology, or price point needed for our new products or fails to produce designs that meet customer demands, our business could be materially adversely affected.

We depend on third-party companies for the design, manufacture and supply of motherboards, software, memory and other computer platform components to support our business.

We depend on third-party companies for the design, manufacture and supply of motherboards, graphics cards, software (e.g., BIOS, operating systems, drivers), memory and other components that our customers utilize to support and/or use our microprocessor, GPU and APU offerings. We also rely on our add-in-board (AIB) partners to support our GPU and APU products. In addition, our microprocessors are not designed to function with motherboards and chipsets designed to work with Intel microprocessors. If the designers, manufacturers, AIBs and suppliers of motherboards, graphics cards, software, memory and other components cease or reduce their design, manufacture or production of current or future products that are based on or support our products, our business could be materially adversely affected.

If we lose Microsoft Corporation's support for our products or other software vendors do not design and develop software to run on our products, our ability to sell our products could be materially adversely affected.

Our ability to innovate beyond the x86 instruction set controlled by Intel depends partially on Microsoft designing and developing its operating systems to run on or support our x86-based microprocessor products. With respect to our graphics products, we depend in part on Microsoft to design and develop its operating system to run on or support our graphics products. Similarly, the success of our products in the market, such as our APU products, is dependent on independent software providers designing and developing software to run on our products. If Microsoft does not continue to design and develop its operating systems so that they work with our x86 instruction sets or does not continue to develop and maintain their operating systems to support our graphics products, independent software providers may forego designing their software applications to take advantage of our innovations and customers may not purchase PCs with our products. In addition, some software drivers licensed for use with our products are certified by Microsoft. If Microsoft did not certify a driver, or if we otherwise fail to retain the support of Microsoft or other software vendors, our ability to market our products would be materially adversely affected.

Our reliance on third-party distributors and AIB partners subjects us to certain risks.

We market and sell our products directly and through third-party distributors and AIB partners pursuant to agreements that can generally be terminated for convenience by either party upon prior notice to the other party. These agreements are non-exclusive and permit both our distributors and AIB partners to offer our competitors' products. We are dependent on our distributors and AIB partners to supplement our direct marketing and sales efforts. If any significant distributor or AIB partner or a substantial number of our distributors or AIB partners terminated their relationship with us, decided to market our competitors' products over our products or decided not to market our products at all, our ability to bring our products to market would be impacted and we would be materially adversely affected. In addition, if we are unable to collect accounts receivable from our significant distributors and/or AIB partners, it could have a material adverse effect on our business. If we are unable to manage the risks related to the use of our third-party distributors and AIB partners or offer appropriate incentives to focus them on the sale of our products, our business could be materially adversely affected.

Additionally, distributors and AIB partners typically maintain an inventory of our products. In most instances, our agreements with distributors protect their inventory of our products against price reductions, as well as provide return rights for any product that we have removed from our price book and that is not more than 12 months older than the manufacturing date. Some agreements with our distributors also contain standard stock rotation provisions permitting limited levels of product returns. Our agreements with AIB partners protect their inventory of our products against price reductions. In the event of a significant decline in the price of our products, the price protection rights we offer would materially adversely affect us because our revenue and corresponding gross margin would decline.

We may incur future impairments of goodwill and technology license purchases.

We perform our annual goodwill impairment analysis as of the first day of the fourth quarter of each year. Subsequent to our annual goodwill impairment analysis, we monitor for any events or changes in circumstances, such as significant adverse changes in business climate or operating results, changes in management's business strategy, an inability to successfully introduce new products in the marketplace, an inability to successfully achieve internal forecasts or significant declines in our stock price, which may represent an indicator of impairment. The occurrence of any of these events may require us to record future goodwill impairment charges.

We license certain third-party technologies and tools for the design and production of our products. We report the value of those licenses as intangible assets on the balance sheet and we periodically evaluate the carrying value of those licenses based on their future economic benefit to us. Factors such as the life of the assets, changes in competing technologies, and changes to the business strategy may represent an indicator of impairment. The occurrence of any of these events may require us to record future technology license impairment charges.

Our inability to continue to attract and retain qualified personnel may hinder our business.

Much of our future success depends upon the continued service of numerous qualified engineering, marketing, sales and executive employees. Competition for highly skilled executives and employees in the technology industry is intense and our competitors have targeted individuals in our organization that have desired skills and experience. If we are not able to continue to attract, train and retain our leadership team and our qualified employees necessary for our business, the progress of our product development programs could be hindered, and we could be materially adversely affected. To help attract, retain and motivate our executives and qualified employees, we use share-based incentive awards such as employee stock options and non-vested share units (restricted stock units). If the value of such stock awards does not appreciate as measured by the performance of the price of our common stock, or if our share-based compensation otherwise ceases to be viewed as a valuable benefit, our ability to attract, retain and motivate our executives and employees could be weakened, which could harm our results of operations. Also, if the value of our stock awards increases substantially, this could potentially create great personal wealth for our executives and employees and affect our ability to retain our personnel. In addition, any future restructuring plans may adversely impact our ability to attract and retain key employees.

Our indebtedness could adversely affect our financial position and prevent us from implementing our strategy or fulfilling our contractual obligations.

Our total debt principal amount outstanding as of June 27, 2020 was \$763 million. Our indebtedness may make it difficult for us to satisfy our financial obligations, including making scheduled principal and interest payments; limit our ability to borrow additional funds for working capital, capital expenditures, acquisitions and general corporate and other purposes; limit our ability to use our cash flow or obtain additional financing for future working capital, capital expenditures, acquisitions or other general corporate purposes; require us to use a substantial portion of our cash flow from operations to make debt service payments; place us at a competitive disadvantage compared to our competitors with relatively less debt; and increase our vulnerability to the impact of adverse economic and industry conditions.

We enter into sale and factoring arrangements from time to time with respect to certain accounts receivable, which arrangements are non-recourse to us in the event that an account debtor fails to pay for credit-related reasons, and are not included in our indebtedness. We could become obligated to repurchase such accounts receivable or otherwise incur liability to the counterparties under these arrangements under certain circumstances, such as where a commercial dispute arises between us and an account debtor. Also, should we not participate in such sale and factoring arrangements or if these arrangements were no longer available, or changes to the cost or credit limits were made to our existing arrangements, it could have a negative impact on our cash flow from operations.

We may not be able to generate sufficient cash to service our debt obligations or meet our working capital requirements.

Our ability to make payments on and to refinance our debt will depend on our financial and operating performance, which may fluctuate significantly from quarter to quarter, and is subject to prevailing economic, financial and business conditions along with other factors, many of which are beyond our control. We cannot assure you that we will be able to generate cash flow or that we will be able to borrow funds, including under our secured revolving credit facility for a principal amount up to \$500 million (our Secured Revolving Facility), in amounts sufficient to enable us to service our debt or to meet our working capital requirements. If we are not able to generate

sufficient cash flow from operations or to borrow sufficient funds to service our debt, we may be required to sell assets or equity, reduce expenditures, refinance all or a portion of our existing debt or obtain additional financing. We cannot assure you that we will be able to refinance our debt, sell assets or equity, borrow funds under our Secured Revolving Facility or borrow more funds on terms acceptable to us, if at all.

In the event of a change of control, we may not be able to repurchase our outstanding debt as required by the applicable indentures and our Secured Revolving Facility, which would result in a default under the indentures and our Secured Revolving Facility.

Upon a change of control, we will be required to offer to repurchase all of our 7.50% Notes and 2.125% Notes then outstanding at 101% of the principal amount thereof, plus accrued and unpaid interest, if any, up to, but excluding, the repurchase date. In addition, a change of control would be an event of default under our Secured Revolving Facility. As of June 27, 2020, \$763 million principal amount was outstanding, consisting of our Notes and Secured Revolving Facility. Future debt agreements may contain similar provisions. We may not have the financial resources to repurchase our outstanding notes and prepay all of our outstanding obligations under our Secured Revolving Facility.

The semiconductor industry is highly cyclical and has experienced severe downturns that have materially adversely affected, and may continue to materially adversely affect, our business in the future.

The semiconductor industry is highly cyclical and has experienced significant downturns, often in conjunction with constant and rapid technological change, wide fluctuations in supply and demand, continuous new product introductions, price erosion and declines in general economic conditions. We have incurred substantial losses in recent downturns, due to substantial declines in average selling prices; the cyclical nature of supply and demand imbalances in the semiconductor industry; a decline in demand for end-user products (such as PCs) that incorporate our products; and excess inventory levels.

Industry-wide fluctuations in the computer marketplace have materially adversely affected us in the past and may materially adversely affect us in the future. Global economic uncertainty and weakness have in the past impacted the semiconductor market as consumers and businesses have deferred purchases, which negatively impacted demand for our products. Our financial performance has been, and may in the future be, negatively affected by these downturns.

The growth of our business is also dependent on continued demand for our products from high-growth adjacent emerging global markets. Our ability to be successful in such markets depends in part on our ability to establish adequate local infrastructure, as well as our ability to cultivate and maintain local relationships in these markets. If demand from these markets is below our expectations, sales of our products may decrease, which would have a material adverse effect on us.

Acquisitions, joint ventures and/or investments could disrupt our business and/or dilute or adversely affect the price of our common stock.

Our success will depend, in part, on our ability to expand our product offerings and grow our business in response to changing technologies, customer demands and competitive pressures. In some circumstances, we may pursue growth through the acquisition of complementary businesses, solutions or technologies or through joint ventures or investments rather than through internal development. The identification of suitable acquisition or joint venture candidates can be difficult, time-consuming and costly, and we may not be able to successfully complete identified acquisitions or joint ventures. Moreover, if such acquisitions or joint ventures require us to seek additional debt or equity financing, we may not be able to obtain such financing on terms favorable to us or at all. Even if we successfully complete an acquisition or a joint venture, we may not be able to assimilate and integrate effectively or efficiently the acquired business, technologies, solutions, assets, personnel or operations, particularly if key personnel of the acquired company decide not to work for us. Acquisitions and joint ventures may also involve the entry into geographic or business markets in which we have little or no prior experience. Consequently, we may not achieve anticipated benefits of the acquisitions or joint ventures which could harm our operating results. In addition, to complete an acquisition, we may issue equity securities, which would dilute our stockholders' ownership and could adversely affect the price of our common stock, as well as incur debt, assume contingent liabilities or have amortization expenses and write-downs of acquired assets, which could adversely affect our results of operations. Acquisitions and joint ventures may also reduce our cash available for operations and other uses, which could harm our business. Also, any failure on our part to effectively evaluate and execute new business initiatives could adversely affect our business. We may not adequately assess the risk of new business initiatives and subsequent events may arise that alter the risks that were initially considered.

Furthermore, we may not achieve the objectives and expectations with respect to future operations, products and services. The majority of our ATMP services are provided by the ATMP JVs, and there is no guarantee that the JVs will be able to fulfill our long-term ATMP requirements. If we are unable to meet customer demand due to fluctuating or late supply from the ATMP JVs, it could result in lost sales and have a material adverse effect on our business.

In addition, we may not realize the anticipated benefits from our business initiatives. For example, we may not realize the expected benefits from the THATIC JV's expected future performance, including the receipt of any future milestone payments and any royalties from certain licensed intellectual property. In June 2019, the BIS added certain Chinese entities to the Entity List, including THATIC and the THATIC JV. We are complying with U.S. law pertaining to the Entity List designation.

Our business is dependent upon the proper functioning of our internal business processes and information systems and modification or interruption of such systems may disrupt our business, processes and internal controls.

We rely upon a number of internal business processes and information systems to support key business functions, and the efficient operation of these processes and systems is critical to our business. Our business processes and information systems need to be sufficiently scalable to support the growth of our business and may require modifications or upgrades that expose us to a number of operational risks. As such, our information systems will continually evolve and adapt in order to meet our business needs. These changes may be costly and disruptive to our operations and could impose substantial demands on management time.

These changes may also require changes in our information systems, modification of internal control procedures and significant training of employees and third-party resources. We continuously work on simplifying our information systems and applications through consolidation and standardization efforts. There can be no assurance that our business and operations will not experience any disruption in connection with this transition. Our information technology systems, and those of third-party information technology providers or business partners, may also be vulnerable to damage or disruption caused by circumstances beyond our control including catastrophic events, power anomalies or outages, natural disasters, viruses or malware, cyber-attacks, data breaches and computer system or network failures, exposing us to significant cost, reputational harm and disruption or damage to our business.

In addition, as our IT environment continues to evolve, we are embracing new ways of communicating and sharing data internally and externally with customers and partners using methods such as mobility and the cloud that can promote business efficiency. However, these practices can also result in a more distributed IT environment, making it more difficult for us to maintain visibility and control over internal and external users, and meet scalability and administrative requirements. If our security controls cannot keep pace with the speed of these changes, or if we are not able to meet regulatory and compliance requirements, our business would be materially adversely affected.

If essential equipment, materials or manufacturing processes are not available to manufacture our products, we could be materially adversely affected.

We may purchase equipment and materials for use by our back-end manufacturing service providers from a number of suppliers and our operations depend upon obtaining deliveries of adequate supplies of equipment and materials on a timely basis. Our third-party suppliers also depend on the same timely delivery of adequate quantities of equipment and materials in the manufacture of our products. In addition, as many of our products increase in technical complexity, we rely on our third-party suppliers to update their processes in order to continue meeting our back-end manufacturing needs. Certain equipment and materials that are used in the manufacture of our products are available only from a limited number of suppliers, or in some cases, a sole supplier. We also depend on a limited number of suppliers to provide the majority of certain types of integrated circuit packages for our microprocessors, including our APU products. Similarly, certain non-proprietary materials or components such as memory, printed circuit boards (PCBs), interposers, substrates and capacitors used in the manufacture of our products are currently available from only a limited number of sources. Because some of the equipment and materials that we and our third-party manufacturing suppliers purchase are complex, it is sometimes difficult to substitute one supplier for another. From time to time, suppliers may extend lead times, limit supply or increase prices due to capacity constraints or other factors. Also, some of these materials and components may be subject to rapid changes in price and availability. Interruption of supply or increased demand in the industry could cause shortages and price increases in various essential materials. Dependence on a sole supplier or a limited number of suppliers exacerbates these risks. If we are unable to procure certain of these materials for our back-end

manufacturing operations, or our third-party foundries or manufacturing suppliers are unable to procure materials for manufacturing our products, our business would be materially adversely affected.

If our products are not compatible with some or all industry-standard software and hardware, we could be materially adversely affected.

Our products may not be fully compatible with some or all industry-standard software and hardware. Further, we may be unsuccessful in correcting any such compatibility problems in a timely manner. If our customers are unable to achieve compatibility with software or hardware, we could be materially adversely affected. In addition, the mere announcement of an incompatibility problem relating to our products could have a material adverse effect on our business.

Costs related to defective products could have a material adverse effect on us.

Products as complex as those we offer may contain defects or failures when first introduced or when new versions or enhancements to existing products are released. We cannot assure you that, despite our testing procedures, errors will not be found in new products or releases after commencement of commercial shipments in the future, which could result in loss of or delay in market acceptance of our products, material recall and replacement costs, loss of revenue, writing down the inventory of defective products, the diversion of the attention of our engineering personnel from product development efforts, defending against litigation related to defective products or related liabilities, including property damage, personal injury, damage to our reputation in the industry and loss of data or intangible property, and could adversely affect our relationships with our customers. In addition, we may have difficulty identifying the end customers of the defective products in the field. As a result, we could incur substantial costs to implement modifications to correct defects. Any of these problems could materially adversely affect our business.

We could be subject to potential product liability claims if one of our products causes, or merely appears to have caused, an injury, whether tangible or intangible. Claims may be made by consumers or others selling our products, and we may be subject to claims against us even if an alleged injury is due to the actions of others. A product liability claim, recall or other claim with respect to uninsured liabilities or for amounts in excess of insured liabilities could have a material adverse effect on our business.

If we fail to maintain the efficiency of our supply chain as we respond to changes in customer demand for our products, our business could be materially adversely affected.

Our ability to meet customer demand for our products depends, in part, on our ability to deliver the products our customers want on a timely basis. Accordingly, we rely on our supply chain for the manufacturing, distribution and fulfillment of our products. As we continue to grow our business, expand to high-growth adjacent markets, acquire new customers and strengthen relationships with existing customers, the efficiency of our supply chain will become increasingly important because many of our customers tend to have specific requirements for particular products, and specific time-frames in which they require delivery of these products. If we are unable to consistently deliver the right products to our customers on a timely basis in the right locations, our customers may reduce the quantities they order from us, which could have a material adverse effect on our business.

We outsource to third parties certain supply-chain logistics functions, including portions of our product distribution, transportation management and information technology support services.

We rely on third-party providers to operate our regional product distribution centers and to manage the transportation of our work-in-process and finished products among our facilities, to our manufacturing suppliers and to our customers. In addition, we rely on third parties to provide certain information technology services to us, including help desk support, desktop application services, business and software support applications, server and storage administration, data center operations, database administration and voice, video and remote access. We cannot guarantee that these providers will fulfill their respective responsibilities in a timely manner in accordance with the contract terms, in which case our internal operations and the distribution of our products to our customers could be materially adversely affected. Also, we cannot guarantee that our contracts with these third-party providers will be renewed, in which case we would have to transition these functions in-house or secure new providers, which could have a material adverse effect on our business if the transition is not executed appropriately.

Our stock price is subject to volatility.

Our stock price has experienced price and volume fluctuations and could be subject to wide fluctuations in the future. The trading price of our stock may fluctuate widely due to various factors including actual or anticipated fluctuations in our financial conditions and operating results, changes in financial estimates by us or financial estimates and ratings by securities analysts, changes in our capital structure, including issuance of additional debt or equity to the public, interest rate changes, news regarding our products or products of our competitors, and broad market and industry fluctuations. Stock price fluctuations could impact the value of our equity compensation, which could affect our ability to recruit and retain employees. In addition, volatility in our stock price could adversely affect our business and financing opportunities.

Worldwide political conditions may adversely affect demand for our products.

Worldwide political conditions may create uncertainties that could adversely affect our business. The United States has been and may continue to be involved in armed conflicts that could have a further impact on our sales and our supply chain. The consequences of armed conflict, political instability or civil or military unrest are unpredictable, and we may not be able to foresee events that could have a material adverse effect on us. Terrorist attacks or other hostile acts may negatively affect our operations, or adversely affect demand for our products, and such attacks or related armed conflicts may impact our physical facilities or those of our suppliers or customers. Furthermore, these attacks or hostile acts may make travel and the transportation of our products more difficult and more expensive, which could materially adversely affect us. Any of these events could cause consumer spending to decrease or result in increased volatility in the United States economy and worldwide financial markets.

Unfavorable currency exchange rate fluctuations could adversely affect us.

We have costs, assets and liabilities that are denominated in foreign currencies. As a consequence, movements in exchange rates could cause our foreign currency denominated expenses to increase as a percentage of revenue, affecting our profitability and cash flows. Whenever we believe appropriate, we hedge a portion of our short-term foreign currency exposure to protect against fluctuations in currency exchange rates. We determine our total foreign currency exposure using projections of long-term expenditures for items such as payroll. We cannot assure you that these activities will be effective in reducing foreign exchange rate exposure. Failure to do so could have an adverse effect on our business, financial condition, results of operations and cash flow. In addition, the majority of our product sales are denominated in U.S. dollars. Fluctuations in the exchange rate between the U.S. dollar and the local currency can cause increases or decreases in the cost of our products in the local currency of such customers. An appreciation of the U.S. dollar relative to the local currency could reduce sales of our products.

Our inability to effectively control the sales of our products on the gray market could have a material adverse effect on us.

We market and sell our products directly to OEMs and through authorized third-party distributors. From time to time, our products are diverted from our authorized distribution channels and are sold on the "gray market." Gray market products result in shadow inventory that is not visible to us, thus making it difficult to forecast demand accurately. Also, when gray market products enter the market, we and our distribution channels compete with these heavily discounted gray market products, which adversely affects demand for our products and negatively impacts our margins. In addition, our inability to control gray market activities could result in customer satisfaction issues because any time products are purchased outside our authorized distribution channels there is a risk that our customers are buying counterfeit or substandard products, including products that may have been altered, mishandled or damaged, or are used products represented as new.

If we cannot adequately protect our technology or other intellectual property in the United States and abroad, through patents, copyrights, trade secrets, trademarks and other measures, we may lose a competitive advantage and incur significant expenses.

We rely on a combination of protections provided by contracts, including confidentiality and nondisclosure agreements, copyrights, patents, trademarks and common law rights, such as trade secrets, to protect our intellectual property. However, we cannot assure you that we will be able to adequately protect our technology or other intellectual property from third-party infringement or from misappropriation in the United States and abroad. Any patent licensed by us or issued to us could be challenged, invalidated or circumvented or rights granted there under may not provide a competitive advantage to us. Also, due to measures to slow down the outbreak of COVID-19, various patent offices and courts have been adversely impacted and there is a potential for delay or disruptions that might affect certain of our patent rights.

Furthermore, patent applications that we file may not result in issuance of a patent or, if a patent is issued, the patent may not be issued in a form that is advantageous to us. Despite our efforts to protect our intellectual property rights, others may independently develop similar products, duplicate our products or design around our patents and other rights. In addition, it is difficult to monitor compliance with, and enforce, our intellectual property on a worldwide basis in a cost-effective manner. In jurisdictions where foreign laws provide less intellectual property protection than afforded in the United States and abroad, our technology or other intellectual property may be compromised, and our business would be materially adversely affected.

We are party to litigation and may become a party to other claims or litigation that could cause us to incur substantial costs or pay substantial damages or prohibit us from selling our products.

From time to time, we are a defendant or plaintiff in various legal actions. For example, as described in Note 11 of our condensed consolidated financial statements, we have been subject to certain claims concerning federal securities laws and corporate governance. Our products are purchased by and/or used by consumers, which could increase our exposure to consumer actions such as product liability claims and consumer class action claims, including those described in Note 11 of our condensed consolidated financial statements. On occasion, we receive claims that individuals were allegedly exposed to substances used in our former semiconductor wafer manufacturing facilities and that this alleged exposure caused harm. Litigation can involve complex factual and legal questions, and its outcome is uncertain. It is possible that if a claim is successfully asserted against us, including the claims described in Note 11 of our condensed consolidated financial statements, it could result in the payment of damages that could be material to our business.

With respect to intellectual property litigation, from time to time, we have been notified of, or third parties may bring or have brought, actions against us and/or against our customers based on allegations that we are infringing the intellectual property rights of others, contributing to or inducing the infringement of the intellectual property rights of others, improperly claiming ownership of intellectual property or otherwise improperly using the intellectual property of others. If any such claims are asserted, we may seek to obtain a license under the third parties' intellectual property rights. We cannot assure you that we will be able to obtain all of the necessary licenses on satisfactory terms, if at all. These parties may file lawsuits against us or our customers seeking damages (potentially up to and including treble damages) or an injunction against the sale of products that incorporate allegedly infringed intellectual property or against the operation of our business as presently conducted, which could result in our having to stop the sale of some of our products or to increase the costs of selling some of our products or which could damage our reputation. The award of damages, including material royalty payments, or other types of damages, or the entry of an injunction against the manufacture and sale of some or all of our products could have a material adverse effect on us. We could decide, in the alternative, to redesign our products or to resort to litigation to challenge such claims. Such challenges could be extremely expensive and time-consuming regardless of their merit, could cause delays in product release or shipment and/or could have a material adverse effect on us. We cannot assure you that litigation related to our intellectual property rights or the intellectual property rights of others can always be avoided or successfully concluded.

Even if we were to prevail, any litigation could be costly and time-consuming and would divert the attention of our management and key personnel from our business operations, which could have a material adverse effect on us.

Our business is subject to potential tax liabilities.

We are subject to income tax, indirect tax or other tax claims by tax agencies in jurisdictions in which we conduct business. Significant judgment is required in determining our worldwide provision for income taxes. Tax laws are dynamic and subject to change as new laws are passed and new interpretations of the law are issued or applied. The Tax Cuts and Jobs Act of 2017 (the Tax Reform Act) contains many significant changes to the U.S. federal income tax laws, which the consequences of could have a material impact on the value of our deferred tax assets and could increase our future U.S. income tax expense. As additional regulatory guidance is issued by the applicable taxing authorities and as new accounting treatment is clarified, we may report additional adjustments in the period if new information becomes available. We have a significant amount of deferred tax assets and a portion of the deferred tax assets related to net operating losses or tax credits could be subject to limitations under Internal Revenue Code Section 382 or 383, separate return loss year rules, or dual consolidated loss rules. The limitations could reduce the ability of the Company to be able to utilize the net operating losses or tax credits before the expiration of the tax attributes. Tax law changes or the limitations could be material and could materially affect our tax obligations and effective tax rate.

In the ordinary course of our business, there are many transactions and calculations where the ultimate income tax, indirect tax, or other tax determination is uncertain. Although we believe our tax estimates are reasonable, we cannot assure that the final determination of any tax audits and litigation will not be materially different from that which is reflected in historical tax provisions and accruals. Should additional taxes be assessed as a result of an audit, assessment or litigation, there could be a material adverse effect on our cash, tax provisions and net income in the period or periods for which that determination is made.

We are subject to environmental laws, conflict minerals-related provisions of the Dodd-Frank Wall Street Reform and Consumer Protection Act as well as a variety of other laws or regulations that could result in additional costs and liabilities.

Our operations and properties have in the past been and continue to be subject to various United States and foreign laws and regulations, including those relating to materials used in our products and manufacturing processes, discharge of pollutants into the environment, the treatment, transport, storage and disposal of solid and hazardous wastes and remediation of contamination. These laws and regulations require our suppliers to obtain permits for operations making our products, including the discharge of air pollutants and wastewater. Although our management systems are designed to oversee our suppliers' compliance, we cannot assure you that our suppliers have been or will be at all times in complete compliance with such laws, regulations and permits. If our suppliers violate or fail to comply with any of them, a range of consequences could result, including fines, suspension of production, alteration of manufacturing processes, import/export restrictions, sales limitations, criminal and civil liabilities or other sanctions. Such non-compliance from our manufacturing suppliers could result in disruptions in supply, higher sourcing costs, and/or reputational damage for us.

Environmental laws are complex, change frequently and have tended to become more stringent over time. For example, the European Union (EU) and China are two among a growing number of jurisdictions that have enacted restrictions on the use of lead and other materials in electronic products. These regulations affect semiconductor devices and packaging. As regulations restricting materials in electronic products continue to increase around the world, there is a risk that the cost, quality and manufacturing yields of products that are subject to these restrictions may be less favorable compared to products that are not subject to such restrictions, or that the transition to compliant products may not meet customer roadmaps, or produce sudden changes in demand, which may result in excess inventory. A number of jurisdictions including the EU, Australia, California and China are developing or have finalized market entry or public procurement regulations for computers and servers based on ENERGY STAR specifications as well as additional energy consumption limits. There is the potential for certain of our products being excluded from some of these markets which could materially adversely affect us.

Certain environmental laws, including the United States Comprehensive, Environmental Response, Compensation and Liability Act of 1980, or the Superfund Act, impose strict or, under certain circumstances, joint and several liability on current and previous owners or operators of real property for the cost of removal or remediation of hazardous substances and impose liability for damages to natural resources. These laws often impose liability even if the owner or operator did not know of, or was not responsible for, the release of such hazardous substances. These environmental laws also assess liability on persons who arrange for hazardous substances to be sent to disposal or treatment facilities when such facilities are found to be contaminated. Such persons can be responsible for cleanup costs even if they never owned or operated the contaminated facility. We have been named as a responsible party at three Superfund sites in Sunnyvale, California. Although we have not yet been, we could be named a potentially responsible party at other Superfund or contaminated sites in the future. In addition, contamination that has not yet been identified could exist at our other facilities.

Under the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010, the SEC adopted disclosure and reporting requirements for companies that use "conflict" minerals originating from the Democratic Republic of Congo or adjoining countries. We continue to incur additional costs associated with complying with these requirements, such as costs related to developing internal controls for the due diligence process, determining the source of any conflict minerals used in our products, auditing the process and reporting to our customers and the SEC. In addition to the SEC regulation, the European Union, China and other jurisdictions are developing new policies focused on conflict minerals that may impact and increase the cost of our compliance program. Also, since our supply chain is complex, we may face reputational challenges if we are unable to sufficiently verify the origins of the subject minerals. Moreover, we are likely to encounter challenges to satisfy those customers who require that all of the components of our products are certified as "conflict free." If we cannot satisfy these customers, they may choose a competitor's products.

The United States federal government has issued new policies for federal procurement focused on eradicating the practice of forced labor and human trafficking. Germany's federal procurement office, in collaboration with the Bitkom trade association, issued new supply chain labor requirements. In addition, the United Kingdom, Australia and the State of California have issued laws that require us to disclose our policy and practices for identifying and eliminating forced labor and human trafficking in our supply chain. Several customers as well as the Responsible Business Alliance have also issued expectations to eliminate these practices that may impact us. While we have a policy and management systems to identify and avoid these practices in our supply chain, we cannot guarantee that our suppliers will always be in conformance to these laws and expectations. We may face enforcement liability and reputational challenges if we are unable to sufficiently meet these expectations. Moreover, we are likely to encounter challenges with customers if we cannot satisfy their forced and trafficked labor polices and they may choose a competitor's product.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

We issued warrants dated June 29, 2020 to purchase 986 shares of our common stock to a commercial partner pursuant to a strategic arrangement with such partner. The warrants have an exercise price of \$25.50 per share and expire on June 29, 2023.

The warrants were issued pursuant to Section 4(a)(2) of the Securities Act of 1933, as amended.

ITEM 6. EXHIBITS

*10.1	Form of Performance-based Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan.
*10.2	Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan
*10.3	Form of Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan.
31.1	Certification of the Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2	Certification of the Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1	Certification of the Principal Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2	Certification of the Principal Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101.INS	XBRL Instance Document.
101.SCH	XBRL Taxonomy Extension Schema Document.
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document.
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document.
101.LAB	XBRL Taxonomy Extension Label Linkbase Document.
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document.

* Management contracts and compensatory plans or arrangements.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

July 29, 2020

ADVANCED MICRO DEVICES, INC.

By: */s/Devinder Kumar*

Name: Devinder Kumar

Title: Senior Vice President, Chief Financial Officer and Treasurer
Signing on behalf of the Registrant as the Principal Financial
Officer

**FORM OF PERFORMANCE-BASED RESTRICTED STOCK UNIT AGREEMENT
FOR SENIOR VICE PRESIDENTS AND ABOVE
ADVANCED MICRO DEVICES, INC. 2004 EQUITY INCENTIVE PLAN**

**PERFORMANCE-BASED RESTRICTED STOCK UNIT GRANT NOTICE
ADVANCED MICRO DEVICES, INC.
2004 EQUITY INCENTIVE PLAN**

Advanced Micro Devices, Inc., a Delaware corporation (the “*Company*” or “*AMD*”), pursuant to its 2004 Equity Incentive Plan (as amended and restated, the “*Plan*”), hereby grants to the holder listed below (“*Participant*”), this award (“*Award*”) of performance-based restricted stock units set forth below (the “*PRsUs*”). This Award is subject to all of the terms and conditions set forth herein and in the Terms and Conditions to the PRsUs (the “*Terms and Conditions*”), including any applicable country-specific terms set forth in the appendix thereto (the “*Appendix*”) and in the Plan, each of which is incorporated herein by reference. Unless otherwise defined, the terms in this Performance-Based Restricted Stock Unit Grant Notice (this “*Grant Notice*”) and the Terms and Conditions shall have the same defined meanings assigned to them in the Plan.

Participant: _____

Employee ID: _____

Grant Date: _____

Target Number of PRsUs: _____

Performance Period: _____

Intended Award Value: _____

EPS Performance Period: _____

Vesting Date: _____

Settlement Date: _____

Performance Vesting Conditions: [To be specified in individual agreements.]

By his or her signature below or by electronic acceptance or authentication in a form authorized by the Company, Participant hereby: (a) agrees to be bound by the terms and conditions of the Plan, the Terms and Conditions, the Appendix and this Grant Notice; (b) acknowledges and agrees that Participant has reviewed the Plan, the Terms and Conditions, the Appendix and this Grant Notice in their entirety, has had an opportunity to obtain the advice of counsel prior to executing this Grant Notice and fully understands all provisions of the Plan, the Terms and Conditions, the Appendix and this Grant Notice; (c) agrees to accept as binding, conclusive and final all decisions or interpretations of the Administrator upon any questions arising under the Plan, the Terms and Conditions, the Appendix or this Grant Notice (including any exhibit attached hereto); and (d) acknowledges and agrees that if he or she fails to timely activate a brokerage account with the Company’s designated brokerage firm (currently E*Trade) on or before the last business day preceding the first vesting date of the PRsUs, then this Award will be immediately cancelled and forfeited and he or she will not receive any other benefits or compensation as replacement for this Award.

ADVANCED MICRO DEVICES, INC.

PARTICIPANT

By:

By:

Print Name:

Print Name:

Title:

TERMS AND CONDITIONS
PERFORMANCE-BASED RESTRICTED STOCK UNIT AWARD
ADVANCED MICRO DEVICES, INC. 2004 EQUITY INCENTIVE PLAN

These Terms and Conditions, collectively with the accompanying Performance-Based Restricted Stock Unit Grant Notice (the “**Grant Notice**”) and any country-specific terms and conditions for your country contained in the Appendix hereto, as applicable (the “**Appendix**”), comprise your agreement (the “**Agreement**”) with the Company, regarding performance-based restricted stock units (the “**PRSUs**”) awarded under the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan (as amended and restated, the “**Plan**”). Capitalized terms not specifically defined herein have the same meanings assigned to them in the Plan.

1. **Vesting of Performance-Based Restricted Stock Units.**

(a) **General.** The PRSUs will vest on the vesting date(s) shown or referred to on the Grant Notice, provided that (i) the performance condition(s) for the vesting of such PRSUs have been met, specifically including any required certifications of such performance condition(s), and (ii) you continue to be an active Service Provider through each applicable vesting date. Without limiting the foregoing, the vesting of any PRSUs is conditioned on your performing the duties assigned to you by the Company’s management or Board, as applicable, in a manner and with results satisfactory to the Company’s management or Board, as applicable.

(b) **Termination Due to Death.** Notwithstanding anything in Section 1(a) to the contrary, if your status as an active Service Provider terminates due to your death then your PRSUs will remain outstanding and, at the end of the performance period, will be deemed earned and vested based on the actual performance results for the performance period; provided, however, that if a Change of Control (as defined in the Plan) occurs before the end of the performance period you will instead immediately vest in the number of CoC PRSUs (as defined in Section 6(e)) that you would have been deemed to have earned had you continued as an active Service Provider from the date of your death through the date of the Change of Control.

2. **Settlement of Vested PRSUs; Issuance of Shares.** Subject to Sections 4 and 10 of these Terms and Conditions, and further subject to any applicable country-specific terms and conditions set forth in the Appendix, the shares (“**Shares**”) of Company common stock issuable to you in settlement of your vested PRSUs will be issued in your name on the settlement date(s) shown or referred to in the Grant Notice, or if no settlement date is set forth in the Grant Notice, as soon as reasonably practicable after the underlying PRSUs vest (but not later than March 15 following the calendar year in which the underlying PRSUs vest). Until the Shares are actually issued to you in settlement of your vested PRSUs, the PRSUs represent an unfunded, unsecured obligation of the Company.

3. **Nontransferability of PRSUs.** Unless determined otherwise by the Administrator, the PRSUs may not be pledged, assigned, sold or otherwise transferred.

4. **Forfeiture of PRSUs.** Except as otherwise provided in Section 6(e) of these Terms and Conditions, if your status as a Service Provider terminates for any reason other than your death before the vesting date(s) shown on the Grant Notice, your unvested PRSUs will be cancelled and forfeited without consideration.

For purposes of this Award, your status as an active Service Provider will be considered terminated (regardless of the reason for termination and whether or not the termination is in breach of Applicable Laws) effective as of the date you are no longer actively employed by or providing services to the Company or an Affiliate, and will not be extended by any notice period mandated under Applicable Laws (e.g., active employment or service would not include a period of “garden leave” or similar period pursuant to Applicable Law). The Administrator will have the exclusive discretion to determine when your status as an active Service Provider terminates for purposes of this Award (including whether you may still be considered to be employed by or providing services to the Company or an Affiliate while on a leave of absence).

5. **Responsibility for Taxes.** Regardless of any action the Company or, if different, your employer (the “**Employer**”) takes with respect to any or all income tax, social insurance, payroll tax, fringe benefit tax, payment on account or other tax-related items related to your participation in the Plan and legally applicable to you (“**Tax-Related Items**”), you acknowledge that the ultimate liability for all Tax-Related Items is and remains your responsibility and may exceed the amount actually withheld by the Company or the Employer. You further acknowledge that the Company and/or the Employer: (a) make no

representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the PRSUs, including, but not limited to, the grant, vesting or settlement of the PRSUs, the issuance of Shares upon settlement of the PRSUs, the subsequent sale of Shares acquired pursuant to such issuance and the receipt of any dividends and/or any dividend equivalents; and (b) do not commit to and are under no obligation to structure the terms of the Award or any aspect of the PRSUs to reduce or eliminate your liability for Tax-Related Items or achieve any particular tax result. Further, if you are subject to tax in more than one jurisdiction, you acknowledge that the Company and/or the Employer (or former employer, as applicable) may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

Prior to any relevant taxable or tax withholding event, as applicable, you will pay or make adequate arrangements satisfactory to the Company and/or the Employer to satisfy all Tax-Related Items (including hypothetical withholding tax amounts if you are covered under a Company tax equalization policy). In this regard, you authorize the Company, the Employer, and their respective agents, at their discretion, to satisfy any applicable withholding obligations with regard to all Tax-Related Items by one or a combination of the following:

- (a) withholding from your wages or other cash compensation payable to you by the Company and/or the Employer;
- (b) withholding from proceeds of the sale of Shares issuable or issued to you upon vesting and/or settlement of the PRSUs either through a voluntary sale or through a mandatory sale arranged by the Company (on your behalf pursuant to this authorization without your further consent or authorization);
- (c) withholding in Shares to be issued upon vesting and/or settlement of the PRSUs; or
- (d) requiring you to make a payment in cash by certified check or wire transfer.

Depending on the withholding method, the Company may withhold or account for Tax-Related Items by considering statutory withholding rates or other withholding rates, including maximum rates applicable in your jurisdiction(s), in which case you may receive a refund of any over-withheld amount in cash and will have no entitlement to the equivalent amount in Shares. If the obligation for Tax-Related Items is satisfied by withholding in Shares, you are deemed for tax purposes to have been issued the full number of Shares subject to the vested PRSUs, notwithstanding that a number of the Shares are held back solely for the purpose of paying the Tax-Related Items due as a result of any aspect of your participation in the Plan.

If you are covered by a Company or Employer tax equalization policy, you agree to pay to the Company or Employer any additional hypothetical tax obligation calculated and paid under the terms of such tax equalization policy. Finally, you must pay to the Company or the Employer any amount of Tax-Related Items that the Company or the Employer may be required to withhold or account for as a result of your participation in the Plan that cannot be satisfied by the means previously described. The Company may refuse to issue or deliver the Shares or the proceeds of the sale of Shares, if you fail to comply with your obligations in connection with the Tax-Related Items.

6. **Other Terms and Conditions.**

(a) **The Plan.** The Agreement is further subject to the terms and provisions of the Plan. Only certain provisions of the Plan are described in the Agreement. As a condition to your receipt of the PRSUs and any Shares issuable in settlement of vested PRSUs, you acknowledge and agree to the terms and conditions of the Agreement and the terms and provisions of the Plan.

(b) **Activation of Brokerage Account.** This Award of PRSUs is subject to and conditioned on your activation of a brokerage account with the Company's designated brokerage firm on or before the last business day immediately preceding the first vesting date of the PRSUs. If you fail to timely activate a brokerage account with the Company's designated brokerage firm, then this Award and all of the PRSUs covered by this Award will be immediately cancelled and forfeited and you will not receive any other benefits or compensation as replacement for the PRSUs.

(c) **Stockholder Rights.** Until the Shares are issued, you have no right to vote or receive dividends or any other rights as a stockholder with respect to the PRSUs.

(d) Employment Relationship. Nothing in the Agreement will confer on you any right to continue in the employ of the Company or the Employer or interfere with or restrict rights of the Company or the Employer, which are hereby expressly reserved, to terminate your employment at any time.

(e) Change of Control. Notwithstanding anything in this Agreement to the contrary, in the event that the Company experiences a Change of Control (as defined in the Plan), then the Compensation and Leadership Resource Committee (the "**CLRC**") shall determine and approve the Company's performance with respect to the applicable performance vesting conditions based on the Company's performance as of the effective date of the Change of Control (assuming for this purpose that the Performance Period (as defined in the Grant Notice) ended on the date immediately preceding the date of the Change of Control). You will be deemed to have earned the number of PRSUs (the "**CoC PRSUs**") based on the Company's performance (as approved by the CLRC) and subject to any limitations set forth in the Grant Notice. All remaining unearned PRSUs will be automatically forfeited without consideration. At the time of such Change of Control, the CoC PRSUs (if any) will convert automatically into an equal number of time-based restricted stock units ("**CoC RSUs**") that will vest as on the first to occur of (x) the one-year anniversary of the Change of Control and (y) the last day of the originally scheduled Performance Period; *provided*, in each case, that you remain a Service Provider of the Company through such date. Notwithstanding the immediately preceding sentence, if you die or your employment or service is terminated by the Company for any reason other than for Misconduct or, if applicable, terminated by you as a Constructive Termination, then the CoC RSUs will become fully vested upon the date of such termination of employment or service. Solely for purposes of this Section 6(e), the "Company" includes any successor to the Company due to a Change of Control and any employer that is an Affiliate of such successor.

(f) Declination of PRSUs. If you wish to decline your PRSUs, you must complete and file the Declination of Grant form with Corporate Compensation and Benefits no later than one calendar month prior to the first vesting date of the PRSUs. Your declination is non-revocable, and you will not receive a grant of stock options or any other compensation as replacement for the declined PRSUs. Your decision to not timely file the Declination of Grant form will constitute your acceptance of the Award on the terms on which it is offered, as set forth in this Agreement and the Plan.

(g) Recovery in the Event of a Financial Restatement; Claw-Back Policy. In the event the Company is required to prepare an accounting restatement due to material noncompliance of the Company with any financial reporting requirement under applicable securities laws, the Administrator will review all equity-based compensation (including the PRSUs) awarded to employees at the Senior Vice President level and above. If the Administrator (in its sole discretion) determines that you were directly involved with fraud, misconduct or gross negligence that contributed to or resulted in such accounting restatement, the Administrator may, to the extent permitted by Applicable Laws, recover for the benefit of the Company all or a portion of the equity-based compensation awarded to you, including (without limitation) by cancellation, forfeiture, repayment and disgorgement of profits realized from the sale of securities of the Company; *provided, however*, the Administrator will not have the authority to recover any equity-based compensation awarded more than 18 months prior to the date of the first public issuance or filing with the U.S. Securities and Exchange Commission (the "**SEC**") (whichever first occurs) of the financial document embodying such financial reporting requirement. In determining whether to seek recovery, the Administrator may take into account any considerations it deems appropriate, including Applicable Laws and whether the assertion of a recovery claim may prejudice the interests of the Company in any related proceeding or investigation. Further, and notwithstanding the foregoing, the PRSUs (including any proceeds, gains or other economic benefit actually or constructively received by you upon any receipt of the PRSUs or upon the receipt or resale of any Shares underlying the PRSUs) shall be subject to the provisions of any claw-back policy implemented by the Company, including, without limitation, any claw-back policy adopted to comply with the requirements of Applicable Laws, including without limitation, the Dodd-Frank Wall Street Reform and Consumer Protection Act and any rules or regulations promulgated thereunder, to the extent set forth in such claw-back policy.

7. Nature of Grant. In accepting this Award, you acknowledge, understand and agree that:

(a) the Plan is established voluntarily by the Company, it is discretionary in nature and it may be modified, amended, suspended or terminated by the Company at any time;

(b) the grant of the PRSUs is exceptional, voluntary and occasional and does not create any contractual or other right to receive future grants of PRSUs, or benefits in lieu of PRSUs, even if PRSUs have been granted in the past;

- (c) all decisions with respect to future PRSU grants, if any, will be at the sole discretion of the Company;
- (d) you are voluntarily participating in the Plan;
- (e) the PRSUs and the Shares subject to the PRSUs, and the value of and income from such PRSUs and Shares, are not intended to replace any pension rights, retirement benefits or other compensation;
- (f) the PRSUs and the Shares subject to the PRSUs, and the value of and income from such PRSUs and Shares, are not part of normal or expected compensation or salary for purposes of calculating any severance, resignation, termination, redundancy, dismissal, end of service payments, bonuses, long-service awards, pension or retirement or welfare benefits or similar payments;
- (g) the PRSU grant and your participation in the Plan will not be interpreted to form an employment contract or other service relationship with the Company, the Employer or any Affiliate;
- (h) the future value of the underlying Shares is unknown and cannot be predicted with certainty;
- (i) no claim or entitlement to compensation or damages will arise from forfeiture of the PRSUs resulting from termination of your status as a Service Provider (for any reason whatsoever and whether or not in breach of Applicable Laws), and in consideration of the grant of the PRSUs to which you are otherwise not entitled, you irrevocably agree to (i) never institute any such claim against the Company, the Employer, or any of their respective Affiliates, (ii) waive your ability, if any, to bring any such claim against the Company, the Employer or any of their respective Parents, Subsidiaries or Affiliates, (iii) forever release the Company, the Employer or any of their respective Affiliates from any such claim, and (iv) execute any and all documents necessary, or reasonably requested by the Company, to request dismissal or withdrawal of any such claim that is allowed by a court of competent jurisdiction, in each case to the maximum extent permitted by Applicable Laws;
- (j) the PRSUs and the benefits under the Plan, if any, will not automatically transfer to another company in the case of a merger of the Company with or into another company or the sale of substantially all of the assets of the Company; and
- (k) if you are providing services outside the United States:
 - (i) the PRSUs and the Shares subject to the PRSUs, and the value of and income from such PRSUs, are not part of normal or expected compensation or salary for any purpose, including, without limitation, for purposes of calculating any severance, resignation, termination, redundancy, dismissal, end-of-service payments, holiday pay, bonuses, long-service awards, leave-related payments, pension benefits, retirement benefits, welfare benefits or similar mandatory payments; and
 - (ii) none of the Company, the Employer, or any of their respective Affiliates will be liable for any foreign exchange rate fluctuation between any local currency and the U.S. Dollar that may affect the value of the PRSUs, any amounts due to you pursuant to the settlement of the PRSUs or the subsequent sale of any Shares acquired upon settlement.

8. **No Advice Regarding Grant.** The Company is not providing any tax, legal or financial advice, nor is the Company making any recommendations regarding your participation in the Plan, or your acquisition or sale of the underlying Shares. You are hereby advised to consult with your own personal tax, legal and financial advisors regarding your participation in the Plan before taking any action related to the Plan.

9. **Data Privacy.** *You understand that the Company and the Employer hold certain personal information about you, including, but not limited to, your name, home address, email address, and telephone number, date of birth, social insurance number, passport number or other identification number, salary, nationality, job title, any Shares or directorships held in the Company, details of all PRSUs or any other entitlement to Shares awarded, canceled, exercised, vested, unvested or outstanding in your favor (your "Data"), for the exclusive purpose of implementing, administering and managing the Plan.*

You understand that it will be necessary for your Data to be collected, used and transferred, in electronic or other form, as described in the Agreement and any other Award Documentation by and among, as applicable, the Employer, the Company and any Affiliate. Such processing will be for the exclusive purpose of implementing, administering and managing your participation in the Plan, and therefore for the performance of the Agreement. The provision of your Data is a contractual requirement. Without the provision of your Data, it will not be possible for the Company and/or the Employer to perform their obligations under the Agreement.

You understand that, in performing the Agreement, it will be necessary for:

- *your Data to be transferred to a Company-designated Plan broker, or such other stock plan service provider as may be selected by the Company in the future, which is assisting the Company with the implementation, administration and management of the Plan;*
- *the Company, its Plan broker and any other possible recipients which may assist the Company (presently or in the future) with implementing, administering and managing the Plan, to receive, possess, use, retain and transfer your Data, in electronic or other form, for the sole purpose of implementing, administering and managing your participation in the Plan; and*
- *your Data to be held only as long as is necessary to implement, administer and manage your participation in the Plan.*

If you are located in the European Union (“EU”), European Economic Area (“EEA”) or the United Kingdom (“UK”), you understand that the recipients of your Data may be located in countries outside of the EU/EEA/UK, including the United States, and that the recipients’ country may not have privacy laws and protections that are equivalent to those of the EU/EEA/UK member state in which you are based. You understand that if you reside in the EU/EEA/UK, you can request a list with the names and addresses of any recipients of your Data by contacting your local human resources representative.

You understand that if you reside in the EU/EEA/UK, you may, at any time and free of charge, request access to your Data, object to the processing of your Data, request to have access to it restricted, request additional information about the storage and processing of your Data, require any necessary amendments to your Data or ask for it to be erased by contacting your local human resources representative in writing. You may also have the right to receive a copy of your Data in a machine-readable format, and the right to not to be subject to any decision that significantly affects you being taken solely by automated processing, including profiling. We will process any request in line with applicable laws and our policies and procedures. You also have the right to lodge a complaint with a local supervisory authority.

10. **Compliance with Laws and Regulations.** The issuance and transfer of the Shares will be subject to and conditioned upon compliance by the Company and you with all applicable state, federal and foreign laws and regulations and with all applicable requirements of any stock exchange or automated quotation system on which the Shares may be listed or quoted at the time of such issuance or transfer; and, you understand that the Company shall not be required to issue or deliver any Shares prior to fulfillment of all of the following conditions: (a) the admission of such Shares to listing on all stock exchanges on which the Company’s common stock is then listed; (b) the completion of any registration or other qualification of such Shares under any state or federal law or under rulings or regulations of the SEC or of any other governmental regulatory body, which the Administrator shall, in its absolute discretion, deem necessary or advisable; (c) the obtaining of any approval or other clearance from any state or federal governmental agency which the Administrator shall, in its absolute discretion, determine to be necessary or advisable; and (d) the lapse of such reasonable period of time following the vesting or settlement as the Administrator may from time to time establish for reasons of administrative convenience. The Shares shall be fully paid and nonassessable. You understand that the Company is under no obligation to register or qualify the Shares with the SEC or any state or foreign securities commission or to seek approval or clearance from any governmental authority for the issuance or sale of the Shares. Further, you agree that the Company has unilateral authority to amend the Plan and the Agreement without your consent to the extent necessary or advisable to comply with securities or other laws applicable to issuance of Shares.

11. **Successors and Assigns.** The Company may assign any of its rights under the Agreement. The Agreement will be binding upon and inure to the benefit of the successors and assigns of the Company. Subject to the restrictions on transfer contained herein, the Agreement will be binding upon you and your heirs, executors, administrators, legal representatives, successors and assigns.
12. **Governing Law; Jurisdiction; Severability.** The Agreement is to be governed by and construed in accordance with the internal laws of the State of Delaware, U.S.A., as such laws are applied to agreements between Delaware residents entered into and to be performed entirely within Delaware, excluding that body of laws pertaining to conflict of laws. For purposes of litigating any dispute that arises directly or indirectly from the relationship of the Company and you evidenced by this grant or the Agreement, the Company and you hereby submit to and consent to the exclusive jurisdiction of the State of Delaware and agree that such litigation will be conducted only in the courts of New Castle County, Delaware, or the federal courts for the United States for the District of Delaware, and no other courts, where this grant is made and/or to be performed. If any provision of the Agreement is determined by a court of law to be illegal or unenforceable, in whole or in part, that provision will be enforced to the maximum extent possible and the other provisions will remain fully effective and enforceable.
13. **Further Instruments.** You agree to execute further instruments and to take further actions as may be reasonably necessary to carry out the purposes and intent of the Agreement.
14. **Administrator Authority.** The Administrator has the power to interpret the Plan and the Agreement and to adopt such rules for the administration, interpretation and application of the Plan as are consistent therewith and to interpret or revoke any such rules (including, but not limited to, the determination of whether or not any PRSUs have vested). All actions taken and all interpretations and determinations made by the Administrator will be final and binding upon you, the Company and all other interested persons. The Administrator will not be personally liable for any action, determination or interpretation made with respect to the Plan or the Agreement.
15. **Language.** You acknowledge that you are sufficiently proficient in English, or have consulted with an advisor who is sufficiently proficient in English, to understand the terms and conditions of the Agreement. Furthermore, if you have received the Agreement or any other Award Documentation translated into a language other than English and if the meaning of the translated version is different than the English version, the English version will control.
16. **Electronic Delivery and Acceptance.** The Company may, in its sole discretion, decide to deliver any documents related to current or future participation in the Plan by electronic means. You hereby consent to receive such documents by electronic delivery and agree to participate in the Plan through an on-line or electronic system established and maintained by the Company or a third party designated by the Company.
17. **Imposition of Other Requirements.** The Company reserves the right to impose other requirements on your participation in the Plan, on the PRSUs and on any Shares acquired under the Plan, to the extent the Company determines it is necessary or advisable in order to comply with Applicable Laws or facilitate the administration of the Plan, and to require you to sign any additional agreements or undertakings that may be necessary to accomplish the foregoing.
18. **Headings.** The captions and headings of the Agreement are included for ease of reference only and will be disregarded in interpreting or construing the Agreement. All references herein to Sections will refer to Sections of these Terms and Conditions, unless otherwise noted.
19. **Appendix.** Notwithstanding any provisions in the Award Documentation, the PRSU grant will be subject to any additional terms and conditions for your country set forth in an Appendix to these Terms and Conditions. Moreover, if you relocate to one of the countries included in the Appendix, the additional terms and conditions for such country will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable for legal or administrative reasons. The Company reserves the right to require you to sign any additional agreements that may be necessary to accomplish the foregoing. The Appendix constitutes part of the Agreement.

20. **Waiver.** You acknowledge that a waiver by the Company of breach of any provision of the Agreement will not operate or be construed as a waiver of any other provision of the Agreement, or of any subsequent breach by you or any other Participant.
21. **Entire Agreement.** The Plan, these Terms and Conditions, the Appendix and the Grant Notice, including Exhibit A thereto, constitute the entire agreement and understanding of the parties with respect to the subject matter of the Agreement, and supersede all prior understandings and agreements, whether oral or written, between the parties with respect to the specific subject matter hereof.
22. **Insider Trading Restrictions/Market Abuse Laws.** You acknowledge that, depending on your or your broker's country or the country in which the Shares are listed, you may be subject to insider trading restrictions and/or market abuse laws, which may affect your ability to accept, acquire, sell or otherwise dispose of Shares or rights to Shares (or rights linked to Shares) under the Plan (e.g., PRSUs) during such times as you are considered to have "inside information" regarding the Company (as defined by the laws or regulations in your country). Local insider trading laws and regulations may prohibit the cancellation or amendment of orders you placed before you possessed insider information. Furthermore, you could be prohibited from (a) disclosing the inside information to any third party (other than on a "need to know" basis) and (b) "tipping" third parties (including employees and other service providers) or causing them otherwise to buy or sell Company securities. Any restrictions under these laws or regulations are separate from and in addition to any restrictions that may be imposed under any applicable Company insider trading policy. You acknowledge that it is your responsibility to comply with any applicable restrictions, and you should speak to your personal advisor on this matter.
23. **Notices.** Any notice to be given under the terms of the Agreement to the Company shall be addressed to the Company in care of the Secretary of the Company at the Company's principal office, and any notice to be given to you shall be addressed to you at your last residential or email address reflected on the Company's records. By a notice given pursuant to this Section 23, either party may hereafter designate a different address for notices to be given to that party. Any notice which is required to be given to you shall, if you are then deceased, be given to your legal representative. Any notice shall be deemed duly given to you (or, if applicable, your legal representative), (a) if it is delivered by email, upon confirmation of receipt (with an automatic "read receipt" constituting acknowledgment of receipt for purposes of this Section 23(a)); and (b) if sent by certified mail (return receipt requested), on the second business day following deposit (with postage prepaid) in a post office or branch post office regularly maintained by the United States Postal Service or similar local service in jurisdictions outside of the United States.
24. **Limitations Applicable to Section 16 Persons.** Notwithstanding any other provision of the Plan or the Agreement, if you are subject to Section 16 of the Exchange Act, the Plan, the PRSUs and the Agreement shall be subject to any additional limitations set forth in any applicable exemptive rule under Section 16 of the Exchange Act (including any amendment to Rule 16b-3 of the Exchange Act) that are requirements for the application of such exemptive rule. To the extent permitted by Applicable Laws, the Agreement shall be deemed amended to the extent necessary to conform to such applicable exemptive rule.
25. **Section 409A.** The PRSUs are not intended to constitute "nonqualified deferred compensation" within the meaning of Section 409A of the Code (together with any U.S. Department of Treasury regulations and other interpretive guidance issued thereunder, including without limitation any such regulations or other guidance that may be issued after the date hereof, "**Section 409A**"). However, notwithstanding any other provision of the Plan or the Agreement, if at any time the Administrator determines that the PRSUs (or any portion thereof) may be subject to Section 409A, the Administrator shall have the right in its sole discretion (without any obligation to do so or to indemnify you or any other person for failure to do so) to adopt such amendments to the Plan or the Agreement, or adopt other policies and procedures (including amendments, policies and procedures with retroactive effect), or take any other actions, as the Administrator determines are necessary or appropriate either for the PRSUs to be exempt from the application of Section 409A or to comply with the requirements of Section 409A.
26. **Limitation on Participant's Rights.** Participation in the Plan confers no rights or interests other than as herein provided. The Agreement creates only a contractual obligation on the part of the Company as to amounts payable and shall not be construed as creating a trust. Neither the Plan nor any underlying program, in and of itself, has any assets. You shall have only the rights of a general unsecured creditor of the Company with respect to amounts credited and benefits payable, if

any, with respect to the PRSUs, and rights no greater than the right to receive the Shares as a general unsecured creditor with respect to PRSUs, as and when vested or settled pursuant to the terms hereof.

27. **Termination, Rescission and Recapture.** The PRSUs are intended to align your long-term interests with the long-term interests of the Company. If you engage in certain activities discussed below, either during employment with the Company or after such employment terminates for any reason, the Company may terminate any outstanding, unexpired or unpaid PRSUs (“**Termination**”), rescind any payment or delivery pursuant to the PRSUs (“**Rescission**”) or recapture any cash or any Shares or proceeds from your sale of Shares acquired pursuant to the PRSUs (“**Recapture**”), as more fully described below and to the extent permitted by Applicable Laws. For purposes of this Section 27, Competitive Organization or Business is defined as those corporations, institutions, individuals, or other entities identified by the Company as competitive or working to become competitive in the Company’s most recently filed annual report on Form 10-K.

i. You are acting contrary to the long-term interests of the Company if you at any time fail to comply with any agreement or undertaking regarding inventions, intellectual property rights, and/or proprietary or confidential information or material that you signed or otherwise agreed to in favor of the Company.

ii. You are acting contrary to the long-term interests of the Company if you, while employed by the Company: (i) materially breach the AMD Agreement or any Company (or Affiliate) policy applicable to you, or any written agreement between you and the Company (or Affiliate); (ii) violate the Company’s Worldwide Standards of Business Conduct or commit any other act of misconduct, or violate state or federal law relating to the workplace (including laws related to sexual harassment or age, sex or other prohibited discrimination); (iii) commit any act or omission resulting in your being charged with a criminal offense involving moral turpitude, dishonesty, or breach of trust; or (iv) engage in conduct that constitutes a felony, or enter a plea of guilty or nolo contendere with respect to a felony under applicable law. Whether you are acting contrary to the long-term interests of the Company for any of the reasons set forth in clauses (i) through (iv) above shall be determined by the Administrator in its sole discretion.

iii. You are acting contrary to the long-term interests of the Company if, during the restricted period set forth below, you engage in any of following activities in, or directed into, any State, possession or territory of the United States of America or any country in which the Company operates, sells products or does business:

a. while employed by the Company, you render services to or otherwise directly or indirectly engage in or assist, any Competitive Organization or Business;

b. while employed by the Company or at any time thereafter, without the prior written consent of the Compensation and Leadership Resources Committee of the Board (“**CLRC**”), you (A) use any confidential information or trade secrets of the Company to render services to or otherwise engage in or assist any Competitive Organization or Business or (B) solicit away or attempt to solicit away any customer or supplier of the Company if in doing so, you use or disclose any of the Company’s confidential information or trade secrets;

c. while employed by the Company or during a period of twelve (12) months thereafter, without the prior written consent of the Board, you carry on any business or activity (whether directly or indirectly, as a partner, shareholder, principal, agent, director, affiliate, employee or consultant) that is a direct material Competitive Organization or Business (as conducted now or during the term of this Agreement);

d. while employed by the Company or during the period of twelve (12) months thereafter, without the prior written consent of the Board, you solicit away or influence or attempt to influence or solicit away any client, customer or other person either directly or indirectly to direct his/her or its purchase of the Company’s products and/or services to any Competitive Organization or Business; or

e. while employed by the Company or during a period of twelve (12) months thereafter, without the prior written consent of the Board, you solicit or influence or attempt to influence or solicit any person employed by the Company or any consultant then retained by the Company to terminate or otherwise cease his/her employment or consulting relationship with the Company or become an employee of or perform services for any outside organization or business that is or is working to become competitive with the Company.

The activities described in this Section 27(b) are collectively referred to as “*Activities Against the Company’s Interest.*”

iv.If the Company determines, in its sole and absolute discretion, that: (i) you have violated any of the requirements set forth in Section 27(a) above or (b) above or (ii) you have engaged in any Activities Against the Company’s Interest (the date on which such violation or activity first occurred being referred to as the “*Trigger Date*”), then the Company will, in its sole and absolute discretion, impose a Termination, Rescission and/or Recapture of any or all of the PRSUs or the proceeds you received therefrom, provided, that such Termination, Rescission and/or Recapture shall not apply to the PRSUs to the extent that such PRSUs vested earlier than one year prior to the Trigger Date. Within ten days after receiving notice from the Company that Rescission or Recapture is being imposed on any PRSU, you shall deliver to the Company the Shares acquired pursuant to the PRSUs, or, if you have sold such Shares, the gain realized, or payment received as a result of the rescinded payment or delivery. Any payment by you to the Company pursuant to this Section 27(d) shall be made either in cash or by returning to the Company the number of Shares that you received in connection with the rescinded payment or delivery. It shall not be a basis for Termination, Rescission or Recapture if after your termination of employment, you purchase, as an investment or otherwise, stock or other securities of a Competitive Organization or Business, so long as (i) such stock or other securities are listed upon a recognized securities exchange or traded over-the-counter, and (ii) such investment does not represent more than a five percent equity interest in the organization or business.

v.Upon payment or delivery of Shares pursuant to the PRSUs, you shall, if requested by the Company, certify on a form acceptable to the Company that you are in compliance with the terms and conditions of this Agreement and, if your termination of employment has occurred, shall state the name and address of your then-current employer or any entity for which you perform business services and your title, and shall identify any organization or business in which you own a greater-than-five-percent equity interest.

vi.Notwithstanding the foregoing provisions of this Section 27, in exceptional cases, the Company has sole and absolute discretion not to require Termination, Rescission and/or Recapture, and its determination not to require Termination, Rescission and/or Recapture with respect to any particular act by you or the PRSUs shall not in any way reduce or eliminate the Company’s authority to require Termination, Rescission and/or Recapture with respect to any other act by you or other equity awards.

vii.Nothing in this Section 27 shall be construed to impose obligations on you to refrain from engaging in lawful competition with the Company after the termination of employment. For the avoidance of doubt, you acknowledge that this Section 27(g) shall not limit or supersede any other agreement between you and the Company concerning restrictive covenants.

viii.All administrative and discretionary authority given to the Company under this Section 27 shall be exercised by the CLRC of the Board, or an executive officer of the Company as such CLRC may designate from time to time.

ix.Notwithstanding any provision of this Section 27, if any provision of this Section 27 is determined to be unenforceable or invalid under any Applicable Laws, such provision will be applied to the maximum extent permitted by Applicable Laws, and shall automatically be deemed amended in a manner consistent with its objectives to the extent necessary to conform to any limitations required under Applicable Laws. Furthermore, if any provision of this Section 27 is illegal under any Applicable Laws, such provision shall be null and void to the extent necessary to comply with Applicable Laws.

x.Notwithstanding the foregoing, this Section 27 shall not be applicable to you from and after your termination of employment if such termination of employment occurs after a Change of Control.

28. **Foreign Asset/Account Reporting; Exchange Control Requirements.** Certain applicable foreign asset and/or foreign account reporting requirements and exchange controls may affect your ability to acquire or hold Shares acquired under the Plan or cash received from participating in the Plan (including any dividends paid on Shares acquired under the Plan) in a brokerage or bank account outside your country. You may be required to report such accounts, assets or transactions to the tax or other authorities in your country. You may also be required to repatriate sale proceeds or other funds received as a result of your participation in the Plan to your country through a designated bank or broker and/or within

a certain time after receipt. You acknowledge that you are responsible for complying with any applicable regulations, and that you should speak to your personal legal advisor for any details.

By signing the Grant Notice or otherwise accepting the PRSU grant and the Shares issued upon vesting of the PRSUs, you agree to be bound by terms of the Agreement and the Plan.

APPENDIX

Terms and Conditions Performance-Based Restricted Stock Unit Award Advanced Micro Devices, Inc. 2004 Equity Incentive Plan

Capitalized terms not specifically defined in this Appendix (this “**Appendix**”) have the same meaning assigned to them in the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan (as amended and restated, the “**Plan**”) and/or the Terms and Conditions to which this Appendix is attached (the “**Terms and Conditions**”).

Terms and Conditions

This Appendix includes additional terms and conditions that govern the grant of PRSUs in your country. If you are a citizen or resident of a country other than the one in which you are currently residing and/or working, transfer residency and/or employment to another country after the grant of the PRSUs or are considered a resident of another country for local law purposes, the Company may, in its discretion, determine to what extent the additional terms and conditions contained herein will be applicable to you.

Notifications

This Appendix also includes information regarding exchange controls and certain other issues of which you should be aware with respect to your participation in the Plan. The information is based on the securities, exchange control and other laws in effect in the respective countries as of April 2020. Such laws are often complex and change frequently. As a result, you should not rely on the information noted herein as the only source of information relating to the consequences of your participation in the Plan because the information may be out of date at vesting of the PRSUs, the receipt of any dividends or dividend equivalents or the subsequent sale of the Shares.

In addition, the information is general in nature and may not apply to your particular situation, and the Company is not in a position to assure you of any particular result. Accordingly, you should seek appropriate professional advice as to how the relevant laws in your country may apply to your situation.

If you are a citizen or resident of a country other than the one in which you are currently residing and/or working, transfer residency and/or employment to another country after the PRSUs are granted to you or are considered a resident of another country for local law purposes, the notifications contained herein may not be applicable to you in the same manner.

CANADA

Terms and Conditions

Settlement of Performance-Based Restricted Stock Units. The following provision supplements Section 2 of the Terms and Conditions:

Notwithstanding any discretion contained in Section 11(d) of the Plan, PRSUs will be settled in Shares only, not cash.

Forfeiture of Performance-Based Restricted Stock Units. The following provisions replace the second paragraph of Section 4 of the Terms and Conditions (but are not intended to derogate from Section 12 (“Governing Law; Jurisdiction; Severability”)):

For purposes of this Award, your status as an Employee will be considered terminated (regardless of the reason for termination and whether or not later found to be invalid or unlawful for any reason, including for breaching either Applicable Laws or your employment agreement, if any) effective as of the date that is the earliest of:

- (1) the date your status as an Employee is terminated,
- (2) the date that you receive notice of termination from the Employer, or
- (3) the date you are no longer actively employed by the Company or any Affiliate, regardless of any notice period or period of pay in lieu of such notice or related payments or damages provided or required under Applicable Laws (including, but not limited to statutory law, regulatory law and/or common law).

You will not earn or be entitled to any pro-rated vesting for that portion of time before the date on which your right to vest terminates, nor will you be entitled to any compensation for lost vesting. The Administrator will have the exclusive discretion to determine when you are no longer actively employed for purposes of your PRSU grant (including whether you may still be considered to be actively employed while on a leave of absence). Notwithstanding the foregoing, if applicable employment standards legislation explicitly requires continued entitlement to vesting during a statutory notice period, your right to vest in the PRSUs under the Plan, if any, will terminate effective as of the last day of your minimum statutory notice period, but you will not earn or be entitled to pro-rata vestings if the vesting date falls after the end of your statutory notice period, nor will you be entitled to any compensation for lost vesting.

The following provisions will apply if you are a resident of Quebec:

French Language Provision. The parties acknowledge that it is their express wish that the Agreement, as well as all documents, notices and legal proceedings entered into, given or instituted pursuant hereto or relating directly or indirectly hereto, be drawn up in English.

Les parties reconnaissent avoir exigé la rédaction en anglais de la Convention, ainsi que de tous documents, avis et procédures judiciaires, exécutés, donnés ou intentés en vertu de, ou liés directement ou indirectement à, la présente convention.

Data Privacy. The following provisions supplement Section 9 of the Terms and Conditions:

You hereby authorize the Company and the Company’s representatives to discuss with and obtain all relevant information from all personnel involved in the administration and operation of the Plan. You further authorize the Company, the Employer and any other Affiliate and the Administrator of the Plan to disclose and discuss the Plan with their advisors. You further authorize the Company, the Employer and any other Affiliate to record such information and to keep such information in your employee file.

Notifications

Securities Law Information. You will not be permitted to sell or otherwise dispose of the Shares acquired upon vesting of the PRSUs within Canada. You will only be permitted to sell or dispose of any Shares if such sale or disposal takes place outside of Canada on the facilities on which such Shares are traded.

CHINA

Terms and Conditions

The following terms and conditions will apply if you are subject to exchange control restrictions and regulations in China, including the requirements imposed by the State Administration of Foreign Exchange (“SAFE”), as determined by the Company in its sole discretion.

Settlement of Performance-Based Restricted Stock Units and Sale of Shares. The following provisions supplement Section 2 of the Terms and Conditions:

You agree to maintain any Shares you obtain upon vesting in an account with the designated broker prior to sale. Further, you agree to sell all Shares issued upon vesting of the PRSUs either immediately after vesting or, if no immediate sale is required, promptly upon notice of termination of your status as an Employee. You agree that the Company is authorized to instruct its designated broker to assist with the mandatory sale of such Shares (on your behalf pursuant to this authorization) and you expressly authorize the Company’s designated broker to complete the sale of such Shares. You agree to sign any forms and/or consents required by the Company’s designated broker to effectuate the sale of Shares. You acknowledge that the Company’s designated broker is under no obligation to arrange for the sale of the Shares at any particular price. Furthermore, you acknowledge that the sale of Shares upon termination of your status as an Employee will be made as soon as administratively possible after the Company’s stock plan administration is aware of your termination, but the Company is not committed to sell the Shares at any particular time after termination of your status as an Employee. However, you are always free to sell the Shares yourself at any time prior to the date the Company arranges for the sale of the Shares. Upon the sale of the Shares, the Company agrees to pay you the cash proceeds from the sale of the Shares, less any brokerage fees or commissions and subject to any obligation to satisfy Tax-Related Items.

Exchange Control Requirements. You understand and agree that, pursuant to local exchange control requirements, you will be required to repatriate the cash proceeds from the sale of the Shares issued upon the vesting of the PRSUs as well as any cash dividends paid on such Shares to China. You further understand that, under Applicable Laws, such repatriation of your cash proceeds will need to be effectuated through a special exchange control account established by the Company, the Employer or any other Affiliate, and you hereby consent and agree that any proceeds from the sale of any Shares you acquire or from cash dividends paid on such Shares will be transferred to such special account prior to being delivered to you. You also understand that the Company will deliver the proceeds to you as soon as possible, but there may be delays in distributing the funds to you due to exchange control requirements in China. Proceeds may be paid to you in U.S. dollars or local currency at the Company’s discretion. If the proceeds are paid to you in U.S. dollars, you may be required to set up a U.S. dollar bank account in China so that the proceeds may be deposited into this account. If the proceeds are paid to you in local currency, the Company is under no obligation to secure any particular exchange conversion rate and the Company may face delays in converting the proceeds to local currency due to exchange control restrictions. You further agree to comply with any other requirements that may be imposed by the Company in the future in order to facilitate compliance with exchange control requirements in China.

Notifications

Exchange Control Information. Chinese residents may be required to report to exchange control regulators all details of their foreign financial assets and liabilities, as well as details of any economic transactions conducted with individuals who are not Chinese residents.

UNITED KINGDOM

Terms and Conditions

Settlement of Performance-Based Restricted Stock Units. The following provision supplements Section 2 of the Terms and Conditions:

Notwithstanding any discretion contained in Section 11(d) of the Plan, PRSUs will be settled in Shares only, not cash.

Responsibility for Taxes. The following provisions supplement Section 5 of the Terms and Conditions:

Without limitation to Section 5 of the Terms and Conditions, you hereby agree that you are liable for all Tax-Related Items and hereby covenant to pay all such Tax-Related Items, as and when requested by the Company or the Employer, as applicable, or by Her Majesty's Revenue & Customs ("**HMRC**") (or any other tax authority or any other relevant authority). You also hereby agree to indemnify and keep indemnified the Company and the Employer, as applicable, against any Tax-Related Items that they are required to pay or withhold or have paid or will pay on your behalf to HMRC (or any other tax authority or any other relevant authority).

Notwithstanding the foregoing, if you are a director or executive officer of the Company (within the meaning of Section 13(k) of the Exchange Act), the terms of immediately foregoing provision may not apply in case the indemnification could be considered a loan. In this case, the amount of the income tax not collected within ninety (90) days of the end of the U.K. tax year in which an event giving rise to the Tax-Related Items occurs may constitute a benefit to you on which additional income tax and National Insurance contributions may be payable. You will be responsible for reporting and paying any income tax due on this additional benefit directly to HMRC under the self-assessment regime and for reimbursing the Company or the Employer, as applicable, for the value of any National Insurance contributions due on this additional benefit, which may be obtained from you by the Company or the Employer at any time thereafter by any of the means referred to in Section 5 of the Terms and Conditions.

[End of Agreement]

**FORM OF STOCK OPTION AGREEMENT
FOR SENIOR VICE PRESIDENTS AND ABOVE
ADVANCED MICRO DEVICES, INC. 2004 EQUITY INCENTIVE PLAN**

**STOCK OPTION GRANT NOTICE
ADVANCED MICRO DEVICES, INC. 2004 EQUITY INCENTIVE PLAN**

Advanced Micro Devices, Inc., a Delaware corporation (the “*Company*”), pursuant to its 2004 Equity Incentive Plan (as amended and restated, the “*Plan*”), hereby grants to the holder listed below (“*Participant*”) an option to purchase the number of Shares (as defined in the Plan) set forth below (the “*Option*”). The Option is subject to all of the terms and conditions set forth herein and in the Terms and Conditions to the Option (the “*Terms and Conditions*”), including any applicable country-specific terms and conditions for Participant’s country set forth in the appendix thereto (the “*Appendix*”) and in the Plan, each of which is incorporated herein by reference. Unless otherwise defined, the terms defined in the Plan shall have the same defined meanings in this Stock Option Grant Notice (the “*Grant Notice*”) and the Terms and Conditions.

Participant: _____

Employee ID: _____

Grant Date: _____

Intended Award Value:
(For Internal Use Only) _____

Exercise Price per Share: _____

Total Exercise Price: _____

**Total Number of Shares
Subject to the Option:** _____

Expiration Date: _____

Type of Option: Non-Qualified Stock Option

Vesting Schedule: [To be specified in individual agreements], subject to Participant continuing to be an active Service Provider through each applicable vesting date.

By his or her signature below or by electronic acceptance or authentication in a form authorized by the Company, Participant hereby: (a) agrees to be bound by the terms and conditions of the Plan, the Terms and Conditions, the Appendix and this Grant Notice; (b) acknowledges that he or she has reviewed the Plan, the Terms and Conditions, the Appendix, and this Grant Notice in their entirety, has had an opportunity to obtain the advice of counsel prior to executing this Grant Notice, and fully understands all provisions of the Plan, the Terms and Conditions, the Appendix and this Grant Notice; (c) agrees to accept as binding, conclusive and final all decisions or interpretations of the Administrator upon any questions arising under

the Plan, the Terms and Conditions, the Appendix, or this Grant Notice; and (d) acknowledges and agrees that if he or she fails to timely activate a brokerage account with the Company's designated brokerage firm (currently E*Trade) on or before the last business day preceding the first vesting date of the Option, then the Option will be immediately cancelled and forfeited and he or she will not receive any other benefits or compensation as replacement for the Option.

ADVANCED MICRO DEVICES, INC.

PARTICIPANT

By:

By:

Print Name:

Print Name:

Title:

**TERMS AND CONDITIONS
STOCK OPTION AWARD
ADVANCED MICRO DEVICES, INC. 2004 EQUITY INCENTIVE PLAN**

These Terms and Conditions, together with the Plan, the Grant Notice, and any applicable country-specific terms and conditions for your country contained in the Appendix hereto, comprise your agreement (the “**Agreement**”) with the Company regarding the grant of stock options under the Plan (the “**Options**”) to purchase the number of Shares set forth in the Grant Notice, at the exercise price per share set forth in the Grant Notice (the “**Exercise Price**”).

1. **Vesting of Options.** The Options will vest on the date(s) shown on the Grant Notice provided that you continue to be an active Service Provider through each vesting date.

2. **Exercise of Options.**

(a) **Right to Exercise.** The Options are exercisable during their term in accordance with the vesting schedule set out in the Grant Notice and the applicable provisions of the Plan and the Agreement. The Options may only be exercised for whole Shares.

(b) **Method of Exercise.** Unless otherwise determined by the Administrator, the Options are exercisable during your lifetime only by you, and after your death only by your legal representative. The Options may only be exercised by the delivery to the Company of a properly completed written notice of exercise (the “**Notice of Exercise**”), in the form specified by the Administrator or its designee, which may be electronic or written. The Notice of Exercise must specify the number of Shares to be purchased and the Exercise Price for such Shares, together with payment in full of such aggregate Exercise Price and all applicable Tax-Related Items (as defined in Section 7). In the event the Options or a portion thereof are exercised by any person or persons other than you, the Options may only be exercised by the delivery to the Company of appropriate proof of the right of such person or persons to exercise the Options. Payment must be made in a manner permitted in Section 3 below or as authorized by the Administrator pursuant to the Plan and/or as specified in the Appendix. The Options may not be exercised unless you agree to be bound by such documents as the Administrator may require, including all Award Documentation. The Notice of Exercise must be received by the Company prior to the termination or expiration of the Option.

(c) **Exercise Price.** The Exercise Price shall be as set forth in the Grant Notice, without commission or other charge; *provided, however*, that the Exercise Price shall not be less than 100% of the Fair Market Value of a Share on the Grant Date. Notwithstanding the foregoing, if these Options are designated as Incentive Stock Options and you own (within the meaning of Section 424(d) of the Code) more than 10% of the total combined voting power of all classes of stock of the Company or any “subsidiary corporation” of the Company or any “parent corporation” of the Company (each within the meaning of Section 424 of the Code), the Exercise Price shall not be less than 110% of the Fair Market Value of a Share on the Grant Date.

The Administrator may deny any exercise otherwise permitted hereunder if the Administrator determines, in its discretion, that such exercise could result in a violation of U.S. federal, state or foreign securities laws.

3. **Method of Payment.** Payment of the aggregate Exercise Price must be by any of the following, or a combination thereof, unless provided otherwise in the Appendix:

(a) cash;

(b) check;

(c) consideration received by the Company under a cashless exercise program implemented by the Company in connection with the Plan, including without limitation, to the extent permitted by Applicable Laws, (i) other Shares which (A) in the case of Shares acquired upon exercise of a stock option, have been owned by you for such period of time as may be required by the Administrator in order to avoid accounting consequences and (B) have a Fair Market Value on the date of

surrender equal to the aggregate exercise price of the Shares as to which the Option shall be exercised or (ii) broker-assisted cashless exercise; and/or

(d) any other method authorized by the Administrator.

Notwithstanding the foregoing, the Company reserves the right to restrict the methods of payment of the Exercise Price if necessary to comply with Applicable Laws, as determined by the Company in its discretion.

4. **Nontransferability of Options.** The Options may not be pledged, assigned, sold or otherwise transferred other than by will or by the laws of descent and distribution, unless and until the Shares underlying the Options have been issued, and all restrictions applicable to such Shares have lapsed. Neither the Options nor any interest or right therein shall be liable for the debts, contracts or engagements of you or your successors in interest or shall be subject to disposition by transfer, alienation, anticipation, pledge, encumbrance, assignment or any other means whether such disposition be voluntary or involuntary or by operation of law by judgment, levy, attachment, garnishment or any other legal or equitable proceedings (including bankruptcy), and any attempted disposition thereof shall be null and void and of no effect, except to the extent that such disposition is permitted by the preceding sentence. The terms of the Plan and the Agreement will be binding upon your executors, administrators, heirs, successors and assigns.

5. **Term of Option.** The Options may be exercised only within the term set out in the Grant Notice, which shall in no event be more than seven years from the Grant Date, and may be exercised during such term only in accordance with the Plan and the terms of the Agreement. If these Options are designated as Incentive Stock Options and you owned (within the meaning of Section 424(d) of the Code), at the time the Options were granted, more than 10% of the total combined voting power of all classes of stock of the Company or any "subsidiary corporation" of the Company or any "parent corporation" of the Company (each within the meaning of Section 424 of the Code), the term shall be in no event more than five years from the Grant Date.

6. **Termination as a Service Provider.**

(a) **Termination Generally.** If your status as an active Service Provider terminates for any reason, other than death or Disability or for Misconduct, vested Options may be exercised at any time before the earlier of (i) the expiration date set forth in the Grant Notice or (ii) the date that is three (3) months after your date of termination, whichever is the shorter period, but only to the extent you were entitled to exercise the Options at the date of termination, as described in Sections 1 and 2 hereof.

(b) **Termination Due to Death.** If your status as an active Service Provider terminates due to your death, your then outstanding unvested Options are immediately vested. Your heirs or estate will have twelve (12) months from the date of your death to exercise any vested Options (including, for avoidance of doubt, any Options that vest pursuant to this Section 6(b)). In no case will the post-termination exercise period extend beyond the term limit for the Options as set out in the Grant Notice.

(c) **Termination Due to Disability.** If your status as an active Service Provider terminates due to your Disability, any Options that would have vested in the calendar year of your Disability are immediately vested. You (or your legal representative, as applicable) will have twelve (12) months from the date your status as a Service Provider is terminated due to Disability to exercise any vested Options. In no case will the post-termination exercise period extend beyond the term limit for the Options as set out in the Grant Notice.

(d) **Termination due to Misconduct.** If your status as an active Service Provider terminates for Misconduct or if you engage in Misconduct while the Options are outstanding, then the Options shall terminate immediately and cease to be outstanding. If your employment or service is suspended pending an investigation of whether you will be terminated for Misconduct, all of your rights under the Options, including any right to exercise the Options, shall be suspended during the investigation period.

For purposes of the Options, your status as a Service Provider will be considered terminated (regardless of the reason for termination and whether or not the termination is in breach of Applicable Laws), effective as of the date that you are no longer actively employed or providing services and will not be extended by any notice period mandated under Applicable Laws (e.g., active employment or service would not include a period of “garden leave” or similar period pursuant to Applicable Laws). The Administrator will have the exclusive discretion to determine when you are no longer actively employed or providing services for purposes of your Options (including whether you may still be considered to be providing services while on a leave of absence).

7. **Responsibility for Taxes.** Regardless of any action the Company or, if different, your employer (the “**Employer**”) takes with respect to any or all income tax, social insurance, payroll tax, fringe benefit tax, payment on account or other tax-related items related to your participation in the Plan and legally applicable to you (“**Tax-Related Items**”), you acknowledge that the ultimate liability for all Tax-Related Items is and remains your responsibility and may exceed the amount actually withheld by the Company or the Employer. You further acknowledge that the Company and/or the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the Options, including, but not limited to, the grant, vesting or exercise of the Options, the issuance of Shares upon exercise of the Options, the subsequent sale of Shares acquired pursuant to such exercise and the receipt of any dividends; and (2) do not commit to and are under no obligation to structure the terms of the Award or any aspect of the Options to reduce or eliminate your liability for Tax-Related Items or achieve any particular tax result. Further, if you are subject to tax in more than one jurisdiction, you acknowledge that the Company and/or the Employer (or former employer, as applicable) may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

Prior to any relevant taxable or tax withholding event, as applicable, you will pay or make adequate arrangements satisfactory to the Company and/or the Employer to satisfy all Tax-Related Items (including hypothetical withholding tax amounts if you are covered under a Company tax equalization policy). In this regard, you authorize the Company and/or the Employer, or their respective agents, at their discretion, to satisfy any applicable withholding obligations with regard to all Tax-Related Items by one or a combination of the following:

- (a) withholding from your wages or other cash compensation payable to you by the Company and/or the Employer;
- (b) withholding from the proceeds of the sale of Shares acquired upon exercise of the Option, either through a voluntary sale (specifically including where you exercise this Option in accordance with Section 3(b) above) or through a mandatory sale arranged by the Company (on your behalf pursuant to this authorization) without your further consent or direction;
- (c) withholding in Shares to be issued upon exercise of the Options; or
- (d) requiring you to make a payment in cash by certified check or wire transfer.

Depending on the withholding method, the Company may withhold or account for Tax-Related Items by considering statutory withholding rates or other withholding rates, including maximum rates applicable in your jurisdiction(s), in which case you may receive a refund of any over-withheld amount in cash and will have no entitlement to the equivalent amount in Shares. If the obligation for Tax-Related Items is satisfied by withholding in Shares, for tax purposes, you are deemed to have been issued the full number of Shares subject to the exercise, notwithstanding that a number of the Shares are held back solely for the purpose of paying the Tax-Related Items due as a result of any aspect of your participation in the Plan.

If you are covered by a Company or Employer tax equalization policy, you agree to pay to the Company or Employer any additional hypothetical tax obligation calculated and paid under the terms of such tax equalization policy. Finally, you must pay to the Company or the Employer any amount of Tax-Related Items that the Company or the Employer may be required to withhold or account for as a result of your participation in the Plan that cannot be satisfied by the means previously described. The Company may refuse to honor the exercise or deliver the Shares or the proceeds of the sale of Shares, if you fail to comply with your obligations in connection with the Tax-Related Items.

8. **Other Terms and Conditions.**

(i)**The Plan.** The Agreement is further subject to the terms and provisions of the Plan. Only certain provisions of the Plan are described in the Agreement. As a condition to your receipt and exercise of the Options, you acknowledge and agree to the terms and conditions of the Agreement and the terms and provisions of the Plan.

(ii)**Activation of Brokerage Account.** This award of Options is subject to and conditioned on your activation of a brokerage account with the Company's designated brokerage firm on or before the last business day immediately preceding the first vesting date of the Options. If you fail to timely activate a brokerage account with the Company's designated brokerage firm, then this award and all of the Options covered by this award will be immediately cancelled and forfeited and you will not receive any other benefits or compensation as replacement for the Options.

(iii)**Stockholder Rights.** Until the Shares are issued upon exercise, you have no right to vote or receive dividends or any other rights as a stockholder with respect to the Options.

(iv)**Employment Relationship.** Nothing in the Agreement will confer on you any right to continue in the employ of the Company or the Employer or interfere with or restrict rights of the Company or the Employer, which are hereby expressly reserved, to terminate your employment at any time.

(v)**Change of Control.** If your employment is terminated by the Company or the Employer (including for this purpose any successor to the Company due to such Change of Control and any employer that is an Affiliate of such successor) for any reason other than for Misconduct or, if applicable, by you as a result of a Constructive Termination, within one year after a Change of Control, then the Options will become fully vested upon the date of termination.

(vi)**Declination of Options.** If you wish to decline your Options, you must complete and file the Declination of Grant form with Corporate Compensation and Benefits no later than one calendar month prior to the first vesting date of the Options. Your declination is non-revocable, and you will not receive any other benefits or compensation as replacement for the declined Options. Your decision to not timely file the Declination of Grant form will constitute your acceptance of the Award on the terms on which it is offered, as set forth in this Agreement and the Plan.

(vii)**Recovery in the Event of a Financial Restatement; Claw-Back Policy.** In the event the Company is required to prepare an accounting restatement due to material noncompliance of the Company with any financial reporting requirement under applicable securities laws, the Administrator will review all equity-based compensation (including the Options) awarded to employees at the Senior Vice President level and above. If the Administrator (in its sole discretion) determines that you were directly involved with fraud, misconduct or gross negligence that contributed to or resulted in such accounting restatement, the Administrator may, to the extent permitted by governing law and as appropriate under the circumstances, recover for the benefit of the Company all or a portion of the equity-based compensation awarded to you, including (without limitation) by cancellation, forfeiture, repayment and disgorgement of profits realized from the sale of securities of the Company; *provided, however*, the Administrator will not have the authority to recover any equity-based compensation awarded more than 18 months prior to the date of the first public issuance or filing with the U.S. Securities and Exchange Commission (the "**SEC**") (whichever first occurs) of the financial document embodying such financial reporting requirement. In determining whether to seek recovery, the Administrator may take into account any considerations it deems appropriate, including Applicable Laws and whether the assertion of a recovery claim may prejudice the interests of the Company in any related proceeding or investigation. Further, and notwithstanding the foregoing, the Options (including any proceeds, gains or other economic benefit actually or constructively received by you under the Options or upon the receipt or resale of any Shares issued upon exercise of the Options) shall be subject to the provisions of any claw-back policy implemented by the Company, including, without limitation, any claw-back policy adopted to comply with the requirements of Applicable Laws, including without limitation, the Dodd-Frank Wall Street Reform and Consumer Protection Act and any rules or regulations promulgated thereunder, to the extent set forth in such claw-back policy.

(viii)**Incentive Stock Options.** If you are a U.S. taxpayer and your Options are designated as Incentive Stock Options, you hereby acknowledge that, to the extent that the aggregate Fair Market Value (determined as of the time the Options are granted) of all Shares with respect to which Incentive Stock Options, including the Options (if applicable), are exercisable for the first time by you in any calendar year exceeds \$100,000, the Options and such other options shall be Non-Qualified Stock

Options to the extent necessary to comply with the limitations imposed by Section 422(d) of the Code. You further acknowledge that the rule set forth in the preceding sentence shall be applied by taking the Options and other "incentive stock options" into account in the order in which they were granted, as determined under Section 422(d) of the Code and the Treasury Regulations thereunder. You acknowledge that an Incentive Stock Option exercised more than three months after your termination of employment, other than by reason of death or Disability, will be taxed as a Non-Qualified Stock Option.

9. **Nature of Grant.** In accepting the grant, you acknowledge, understand and agree that:

(ix)the Plan is established voluntarily by the Company, it is discretionary in nature and it may be modified, amended, suspended or terminated by the Company at any time;

(x)the grant of the Options is exceptional, voluntary and occasional and does not create any contractual or other right to receive future grants of Options, or benefits in lieu of Options, even if Options have been granted in the past;

(xi)all decisions with respect to future Option grants, if any, will be at the sole discretion of the Company;

(xii)you are voluntarily participating in the Plan;

(xiii)the Options and the Shares subject to the Options, and the value of and income from the Options and Shares, are not intended to replace any pension rights, retirement benefits or other compensation;

(xiv)the Options and the Shares subject to the Options, and the value of and income from the Options and Shares, are not part of normal or expected compensation or salary for any purpose;

(xv)the Option grant and your participation in the Plan will not be interpreted to form an employment contract or other service relationship with the Company, the Employer or any other Affiliate;

(xvi)the future value of the underlying Shares is unknown and cannot be predicted with certainty;

(xvii)if the underlying Shares do not increase in value, the Options will have no value;

(xviii)if you exercise the Options and obtain Shares, the value of the Shares acquired upon exercise may increase or decrease in value, even below the Exercise Price;

(xix)no claim or entitlement to compensation or damages will arise from forfeiture of the Options resulting from termination of your status as a Service Provider (for any reason whatsoever and whether or not in breach of Applicable Laws), and in consideration of the grant of the Options to which you are otherwise not entitled, you irrevocably agree to (i) never institute any such claim against the Company, the Employer, or any of their respective Affiliates, (ii) waive your ability, if any, to bring any such claim against the Company, the Employer or any of their respective Affiliates, (iii) forever release the Company, the Employer and each of their respective Affiliates from any such claim, and (iv) execute any and all documents necessary, or reasonably requested by the Company, to request dismissal or withdrawal of any such claim that is allowed by a court of competent jurisdiction, in each case to the maximum extent permitted by Applicable Laws;

(xx)the Options and the benefits under the Plan, if any, will not automatically transfer to another company in the case of a merger of the Company with or into another company or the sale of substantially all of the assets of the Company; and

(xxi)if you are providing services outside the United States:

a. the Options and the Shares subject to the Options, and the value of and income from same, are not part of normal or expected compensation or salary for any purpose; and

b. none of the Company, the Employer, or any other Affiliate will be liable for any foreign exchange rate fluctuation between any local currency and the U.S. Dollar that may affect the value of the Options, any amounts due to you pursuant to the exercise of the Options or the subsequent sale of any Shares acquired upon exercise.

10. **No Advice Regarding Grant.** The Company is not providing any tax, legal or financial advice, nor is the Company making any recommendations regarding your participation in the Plan, or your acquisition or sale of the underlying Shares. You should consult with your own personal tax, legal and financial advisors regarding your participation in the Plan before taking any action related to the Plan.

11. **Data Privacy.** *You understand that the Company and the Employer hold certain personal information about you, including, but not limited to, your name, home address, email address, and telephone number, date of birth, social insurance number, passport number or other identification number, salary, nationality, job title, any Shares or directorships held in the Company, details of all Options or any other entitlement to Shares awarded, canceled, exercised, vested, unvested or outstanding in your favor (your "Data"), for the exclusive purpose of implementing, administering and managing the Plan.*

You understand that it will be necessary for your Data to be collected, used and transferred, in electronic or other form, as described in the Agreement and any other Award Documentation by and among, as applicable, the Employer, the Company and any Affiliate. Such processing will be for the exclusive purpose of implementing, administering and managing your participation in the Plan, and therefore for the performance of the Agreement. The provision of your Data is a contractual requirement. Without the provision of your Data, it will not be possible to for the Company and/or the Employer to perform their obligations under the Agreement.

You understand that, in performing the Agreement, it will be necessary for:

- *your Data to be transferred to a Company-designated Plan broker, or such other stock plan service provider as may be selected by the Company in the future, which is assisting the Company with the implementation, administration and management of the Plan, and that the recipient's country (e.g., the United States) may have different data privacy laws and protections than your country;*
- *the Company, its Plan broker and any other possible recipients which may assist the Company (presently or in the future) with implementing, administering and managing the Plan, to receive, possess, use, retain and transfer your Data, in electronic or other form, for the sole purpose of implementing, administering and managing your participation in the Plan; and*
- *your Data to be held only as long as is necessary to implement, administer and manage your participation in the Plan.*

If you are located in the European Union ("EU"), European Economic Area ("EEA") or the United Kingdom ("UK"), you understand that the recipients of your Data may be located in countries outside of the EU/EEA/UK, including the United States, and that the recipients' country may not have privacy laws and protections that are equivalent to those of the EU/EEA/UK member state in which you are based. You understand that if you reside in the EU/EEA/UK, you can request a list with the names and addresses of any recipients of your Data by contacting your local human resources representative.

You understand that if you reside in the EU/EEA/UK, you may, at any time and free of charge, request access to your Data, object to the processing of your Data, request to have access to it restricted, request additional information about the storage and processing of your Data, require any necessary amendments to your Data or ask for it to be erased by contacting your local human resources representative in writing. You may also have the right to receive a copy of your Data in a machine-readable format, and the right to not be subject to any decision that significantly affects you being taken solely by automated processing, including profiling. We will process any request in line with applicable laws and our policies and procedures. You also have the right to lodge a complaint with a local supervisory authority.

12. **Compliance with Laws and Regulations.** The issuance and transfer of the Shares will be subject to and conditioned upon compliance by the Company and you with all applicable state, federal and foreign laws and regulations and with all applicable requirements of any stock exchange or automated quotation system on which the Shares may be listed or quoted at the time of such issuance or transfer; and, you understand that the Company shall not be required to issue or deliver

any Shares purchased upon the exercise of the Options or portion thereof prior to fulfillment of the following conditions: (a) the admission of such Shares to listing on all stock exchanges on which the Company's common stock is then listed; (b) the completion of any registration or other qualification of such Shares under any state or federal law or under rulings or regulations of the SEC or of any other governmental regulatory body, which the Administrator shall, in its absolute discretion, deem necessary or advisable; (c) the obtaining of any approval or other clearance from any state or federal governmental agency which the Administrator shall, in its absolute discretion, determine to be necessary or advisable; and (d) the lapse of such reasonable period of time following the exercise of the Option as the Administrator may from time to time establish for reasons of administrative convenience. The Shares deliverable upon the exercise of the Options shall be fully paid and nonassessable. You understand that the Company is under no obligation to register or qualify the Shares with the SEC or any state or foreign securities commission or to seek approval or clearance from any governmental authority for the issuance or sale of the Shares. Further, you agree that the Company has unilateral authority to amend the Plan and the Agreement without your consent to the extent necessary or advisable to comply with Applicable Laws.

13. **Successors and Assigns.** The Company may assign any of its rights under the Agreement. The Agreement will be binding upon and inure to the benefit of the successors and assigns of the Company. Subject to the restrictions on transfer contained herein, the Agreement will be binding upon you and your heirs, executors, administrators, legal representatives, successors and assigns.

14. **Administrator Authority.** The Administrator has the power to interpret the Plan and the Agreement and to adopt such rules for the administration, interpretation and application of the Plan as are consistent therewith and to interpret or revoke any such rules (including, but not limited to, the determination of whether or not any Shares subject to the Options have vested). All actions taken and all interpretations and determinations made by the Administrator in good faith will be final and binding upon you, the Company and all other interested persons. The Administrator will not be personally liable for any action, determination or interpretation made in good faith with respect to the Plan or the Agreement.

15. **Governing Law; Jurisdiction; Severability.** The Agreement is to be governed by and construed in accordance with the internal laws of the State of Delaware, U.S.A., as such laws are applied to agreements between Delaware residents entered into and to be performed entirely within Delaware, excluding that body of laws pertaining to conflict of laws. For purposes of litigating any dispute that arises directly or indirectly from the relationship of the parties evidenced by any grant of Options or the Agreement, the Company and you hereby submit to and consent to the exclusive jurisdiction of the State of Delaware and agree that such litigation will be conducted only in the courts of New Castle County, Delaware, or the federal courts for the United States for the District of Delaware, and no other courts, where this grant is made and/or to be performed. If any provision of the Agreement is determined by a court of law to be illegal or unenforceable, in whole or in part, that provision will be enforced to the maximum extent possible and the other provisions will remain fully effective and enforceable.

16. **Further Instruments.** The parties agree to execute further instruments and to take further actions as may be reasonably necessary to carry out the purposes and intent of the Agreement.

17. **Language.** You acknowledge that you are sufficiently proficient in English, or have consulted with an advisor who is sufficiently proficient in English, to understand the terms and conditions of the Agreement. Furthermore, if you have received the Agreement or any other Award Documentation translated into a language other than English and if the meaning of the translated version is different than the English version, the English version will control.

18. **Electronic Delivery and Acceptance.** The Company may, in its sole discretion, decide to deliver any documents related to current or future participation in the Plan by electronic means. You hereby consent to receive such documents by electronic delivery and agree to participate in the Plan through an on-line or electronic system established and maintained by the Company or a third party designated by the Company.

19. **Imposition of Other Requirements.** The Company reserves the right to impose other requirements on your participation in the Plan, on the Options and on any Shares acquired under the Plan, to the extent the Company determines it is necessary or advisable in order to comply with Applicable Laws or facilitate the administration of the Plan, and to require you to sign any additional agreements or undertakings that may be necessary to accomplish the foregoing.

20. **Headings.** The captions and headings of the Agreement are included for ease of reference only and will be disregarded in interpreting or construing the Agreement. All references herein to Sections will refer to Sections of these Terms and Conditions, unless otherwise noted.
21. **Appendix.** Notwithstanding any provisions in the Award Documentation, the Options are subject to any additional terms and conditions for your country set forth in an Appendix to these Terms and Conditions. Moreover, if you relocate to one of the countries included in the Appendix, the additional terms and conditions for such country will apply to you to the extent the Company determines that the application of such terms and conditions is necessary or advisable for legal or administrative reasons. The Company reserves the right to require you to sign any additional agreements or undertakings that may be necessary to accomplish the forgoing. The Appendix constitutes part of the Agreement.
22. **Waiver.** You acknowledge that a waiver by the Company of breach of any provision of the Agreement will not operate or be construed as a waiver of any other provision of the Agreement, or of any subsequent breach by you or any other Participant.
23. **Entire Agreement.** The Plan, these Terms and Conditions, the Appendix and the Grant Notice constitute the entire agreement and understanding of the parties with respect to the subject matter of the Agreement, and supersede all prior understandings and agreements, whether oral or written, between the parties with respect to the specific subject matter hereof.
24. **Insider Trading Restrictions/Market Abuse Laws.** You acknowledge that, depending on your or your broker's country or the country in which the Shares are listed, you may be subject to insider trading restrictions and/or market abuse laws, which may affect your ability to accept, acquire, sell or otherwise dispose of Shares or rights to Shares (or rights linked to the value of Shares under the Plan (e.g., PRSUs)) during such times as you are considered to have "inside information" regarding the Company (as defined by the laws or regulations in your country). Local insider trading laws and regulations may prohibit the cancellation or amendment of orders you placed before you possessed insider information. Furthermore, you could be prohibited from (a) disclosing the inside information to any third party (other than on a "need to know" basis) and (b) "tipping" third parties (including employees and other service providers) or causing them otherwise to buy or sell Company securities. Any restrictions under these laws or regulations are separate from and in addition to any restrictions that may be imposed under any applicable Company insider trading policy. You acknowledge that it is your responsibility to comply with any applicable restrictions, and you should speak to your personal advisor on this matter.
25. **Notices.** Any notice to be given under the terms of the Agreement to the Company shall be addressed to the Company in care of the Secretary of the Company at the Company's principal office, and any notice to be given to you shall be addressed to you at your last residential or email address reflected on the Company's records. By a notice given pursuant to this Section 25, either party may hereafter designate a different address for notices to be given to that party. Any notice which is required to be given to you shall, if you are then deceased, be given to your legal representative. Any notice shall be deemed duly given to you (or, if applicable, your legal representative), (a) if it is delivered by email, upon confirmation of receipt (with an automatic "read receipt" constituting acknowledgment of receipt for purposes of this Section 25(a)); and (b) if sent by certified mail (return receipt requested), on the second business day following deposit (with postage prepaid) in a post office or branch post office regularly maintained by the United States Postal Service or similar local service in jurisdictions outside of the United States.
26. **Limitations Applicable to Section 16 Persons.** Notwithstanding any other provision of the Plan or the Agreement, if you are subject to Section 16 of the Exchange Act, the Plan, the Option and the Agreement shall be subject to any additional limitations set forth in any applicable exemptive rule under Section 16 of the Exchange Act (including any amendment to Rule 16b-3 of the Exchange Act) that are requirements for the application of such exemptive rule. To the extent permitted by Applicable Laws, the Agreement shall be deemed amended to the extent necessary to conform to such applicable exemptive rule.
27. **Section 409A.** The Options are not intended to constitute "nonqualified deferred compensation" within the meaning of Section 409A of the Code (together with any U.S. Department of Treasury regulations and other interpretive guidance issued thereunder, including without limitation any such regulations or other guidance that may be issued after the date hereof, "**Section 409A**"). However, notwithstanding any other provision of the Plan or the Agreement, if at any time the Administrator determines that the Options (or any portion thereof) may be subject to Section 409A, the Administrator shall

have the right in its sole discretion (without any obligation to do so or to indemnify you or any other person for failure to do so) to adopt such amendments to the Plan or the Agreement, or adopt other policies and procedures (including amendments, policies and procedures with retroactive effect), or take any other actions, as the Administrator determines are necessary or appropriate either for the Options to be exempt from the application of Section 409A or to comply with the requirements of Section 409A.

28. **Limitation on Your Rights.** Participation in the Plan confers no rights or interests other than as herein provided. The Agreement creates only a contractual obligation on the part of the Company as to amounts payable and shall not be construed as creating a trust. Neither the Plan nor any underlying program, in and of itself, has any assets. You shall have only the rights of a general unsecured creditor of the Company with respect to amounts credited and benefits payable, if any, with respect to the Options, and rights no greater than the right to receive the Shares as a general unsecured creditor with respect to options, as and when exercised pursuant to the terms hereof.

29. **Notification of Disposition.** If these Options are designated as Incentive Stock Options, you shall give prompt notice to the Company of any disposition or other transfer of any Shares acquired under the Agreement if such disposition or transfer is made (a) within two years from the Grant Date with respect to such Shares or (b) within one year after the transfer of such Shares to you. Such notice shall specify the date of such disposition or other transfer and the amount realized, in cash, other property, assumption of indebtedness or other consideration, by you in such disposition or other transfer.

30. **Termination, Rescission and Recapture.** The Options are intended to align your long-term interests with the long-term interests of the Company. If you engage in certain activities discussed below, either during employment with the Company or after such employment terminates for any reason, the Company may terminate any outstanding, unexercised, unexpired or unpaid Options (“**Termination**”), rescind any exercise, payment or delivery pursuant to the Options (“**Rescission**”) or recapture any cash or any Shares or proceeds from your sale of Shares acquired pursuant to the Options (“**Recapture**”), as more fully described below and to the extent permitted by Applicable Laws. For purposes of this Section 30, “**Competitive Organization or Business**” is defined as those corporations, institutions, individuals, or other entities identified by the Company as competitive or working to become competitive in the Company’s most recently filed annual report on Form 10-K.

(i) You are acting contrary to the long-term interests of the Company if you at any time fail to comply with any agreement or undertaking regarding inventions, intellectual property rights, and/or proprietary or confidential information or material that you signed or otherwise agreed to in favor of the Company.

(ii) You are acting contrary to the long-term interests of the Company if you, while employed by the Company: (i) materially breach the AMD Agreement or any Company (or Affiliate) policy applicable to you, or any written agreement between you and the Company (or Affiliate); (ii) violate the Company’s Worldwide Standards of Business Conduct or commit any other act of misconduct, or violate state or federal law relating to the workplace (including laws related to sexual harassment or age, sex or other prohibited discrimination); (iii) commit any act or omission resulting in your being charged with a criminal offense involving moral turpitude, dishonesty, or breach of trust; or (iv) engage in conduct that constitutes a felony, or enter a plea of guilty or nolo contendere with respect to a felony under applicable law. Whether you are acting contrary to the long-term interests of the Company for any of the reasons set forth in clauses (i) through (iv) above shall be determined by the Administrator in its sole discretion.

(iii) You are acting contrary to the long-term interests of the Company if, during the restricted period set forth below, you engage in any of following activities in, or directed into, any State, possession or territory of the United States of America or any country in which the Company operates, sells products or does business:

1. while employed by the Company, you render services to or otherwise directly or indirectly engage in or assist, any Competitive Organization or Business;

2. while employed by the Company or at any time thereafter, without the prior written consent of the Compensation and Leadership Resources Committee of the Board (the “**CLRC**”), you (A) use any confidential information or trade secrets of the Company to render services to or otherwise engage in or assist any Competitive Organization or Business

or (B) solicit away or attempt to solicit away any customer or supplier of the Company if in doing so, you use or disclose any of the Company's confidential information or trade secrets;

3. while employed by the Company or during a period of twelve (12) months thereafter, without the prior written consent of the Board, you carry on any business or activity (whether directly or indirectly, as a partner, shareholder, principal, agent, director, affiliate, employee or consultant) that is a direct material Competitive Organization or Business (as conducted now or during the term of this Agreement);

4. while employed by the Company or during the period of twelve (12) months thereafter, without the prior written consent of the Board, you solicit away or influence or attempt to influence or solicit away any client, customer or other person either directly or indirectly to direct his/her or its purchase of the Company's products and/or services to any Competitive Organization or Business; or

5. while employed by the Company or during a period of twelve (12) months thereafter, without the prior written consent of the Board, you solicit or influence or attempt to influence or solicit any person employed by the Company or any consultant then retained by the Company to terminate or otherwise cease his/her employment or consulting relationship with the Company or become an employee of or perform services for any outside organization or business that is or is working to become competitive with the Company.

The activities described in this Section 30(c) are collectively referred to as "**Activities Against the Company's Interest.**"

(iv) If the Company determines, in its sole and absolute discretion, that: (i) you have violated any of the requirements set forth in Section 30(a) or (b) above or (ii) you have engaged in any Activities Against the Company's Interest (the date on which such violation or activity first occurred being referred to as the "**Trigger Date**"), then the Company will, in its sole and absolute discretion, impose a Termination, Rescission and/or Recapture of any or all of the Options, the Shares issued to you upon exercise of the Options or the proceeds you received therefrom, provided, that such Termination, Rescission and/or Recapture shall not apply to the Options, the Shares issued to you upon exercise of Options, to the extent that such Options was exercised earlier than one (1) year prior to the Trigger Date. Within ten days after receiving notice from the Company that Rescission or Recapture is being imposed on any Option, you shall deliver to the Company the Shares acquired pursuant to the Option, or, if you have sold such Common Stock, the gain realized, or payment received as a result of the rescinded exercise, payment, or delivery; provided, that if you return Common Stock that you purchased pursuant to the exercise of the Option (or the gains realized from the sale of such Common Stock), the Company shall promptly refund the exercise price, without earnings, that you paid for the Common Stock. Any payment by you to the Company pursuant to this Section 30(d) shall be made either in cash or by returning to the Company the number of shares of Common Stock that you received in connection with the rescinded exercise, payment, or delivery. It shall not be a basis for Termination, Rescission or Recapture if after your termination of employment, you purchase, as an investment or otherwise, stock or other securities of an organization or business in competition with the Business of the Company, so long as (i) such stock or other securities are listed upon a recognized securities exchange or traded over-the-counter, and (ii) such investment does not represent more than a one percent equity interest in the organization or business.

(v) Upon exercise of the Option or payment or delivery of Shares pursuant to the Option, you shall, if requested by the Company, certify on a form acceptable to the Company that you are in compliance with the terms and conditions of this Agreement and, if your termination of employment has occurred, shall state the name and address of your then-current employer or any entity for which you perform business services and your title, and shall identify any organization or business in which you own a greater-than-one-percent equity interest.

(vi) Notwithstanding the foregoing provisions of this Section 30, in exceptional cases, the Company has sole and absolute discretion not to require Termination, Rescission and/or Recapture, and its determination not to require Termination, Rescission and/or Recapture with respect to any particular act by you or the Options shall not in any way reduce or eliminate the Company's authority to require Termination, Rescission and/or Recapture with respect to any other act by you or other stock options or equity awards.

(vii) Nothing in this Section 30 shall be construed to impose obligations on you to refrain from engaging in lawful competition with the Company after the termination of employment. For the avoidance of doubt, you acknowledge that this Section 30(g) shall not limit or supersede any other agreement between you and the Company concerning restrictive covenants.

(viii) All administrative and discretionary authority given to the Company under this Section 30 shall be exercised by the CLRC, or an executive officer of the Company as the CLRC may designate from time to time.

(ix) Notwithstanding any provision of this Section 30, if any provision of this Section 30 is determined to be unenforceable or invalid under any Applicable Laws, such provision will be applied to the maximum extent permitted by Applicable Laws, and shall automatically be deemed amended in a manner consistent with its objectives to the extent necessary to conform to any limitations required under Applicable Laws. Furthermore, if any provision of this Section 30 is illegal under any Applicable Laws, such provision shall be null and void to the extent necessary to comply with Applicable Laws.

(x) Notwithstanding the foregoing, this Section 30 shall not be applicable to you from and after your termination of employment if such termination of employment occurs after a Change of Control.

31. **Foreign Asset/Account Reporting; Exchange Control Requirements.** Certain applicable foreign asset and/or foreign account reporting requirements and exchange controls may affect your ability to acquire or hold Shares acquired under the Plan or cash received from participating in the Plan (including any dividends paid on Shares acquired under the Plan) in a brokerage or bank account outside your country. You may be required to report such accounts, assets or transactions to the tax or other authorities in your country. You may also be required to repatriate sale proceeds or other funds received as a result of your participation in the Plan to your country through a designated bank or broker and/or within a certain time after receipt. You acknowledge that you are responsible for complying with any applicable regulations, and that you should speak to your personal legal advisor for any details.

By signing the Grant Notice or otherwise accepting the Option grant and any Shares acquired at exercise of the Options, you agree to be bound by terms of the Agreement and the Plan.

APPENDIX

Terms and Conditions

Stock Option Award

Advanced Micro Devices, Inc. 2004 Equity Incentive Plan

Capitalized terms not specifically defined in this Appendix (this “*Appendix*”) have the same meaning assigned to them in the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan (as amended and restated, the “*Plan*”) and/or the Terms and Conditions to which this Appendix is attached (the “*Terms and Conditions*”).

This Appendix includes additional terms and conditions that govern the grant of Options in the United Kingdom. If you are a citizen or resident of a country other than the one in which you are currently residing and/or working, transfer residency and/or employment to another country after the grant of the Options or are considered a resident of another country for local law purposes, the Company may, in its discretion, determine to what extent the additional terms and conditions contained herein will be applicable to you.

The additional terms and conditions set forth herein are based on the laws in effect in the United Kingdom as of April 2020. The laws of the United Kingdom are complex and subject to change. As a result, you should not rely on the information noted herein as the only source of information relating to the consequences of your participation in the Plan because the information may be out of date at vesting or exercise of the Options, receipt of any dividends or the subsequent sale of the Shares. Accordingly, if you are subject to the laws of the United Kingdom, you should seek appropriate professional advice as to how those may apply to your particular situation.

UNITED KINGDOM

Terms and Conditions

Responsibility for Taxes. The following provisions supplement Section 7 of the Terms and Conditions:

Without limitation to Section 7 of the Terms and Conditions, you hereby agree that you are liable for all Tax-Related Items and hereby covenant to pay all such Tax- Related Items, as and when requested by the Company or the Employer, as applicable, or by Her Majesty’s Revenue & Customs (“**HMRC**”) (or any other tax authority or any other relevant authority). You also hereby agree to indemnify and keep indemnified the Company and the Employer, as applicable, against any Tax-Related Items that they are required to pay or withhold or have paid or will pay on your behalf to HMRC (or any other tax authority or any other relevant authority).

Notwithstanding the foregoing, if you are a director or executive officer of the Company (within the meaning of Section 13(k) of the Exchange Act), the terms of the immediately foregoing provision may not apply in case the indemnification could be considered a loan. In this case, the amount of income tax not collected within ninety (90) days of the end of the U.K. tax year in which an event giving rise to the Tax-Related Items occurs may constitute a benefit to you on which additional income tax and National Insurance contributions may be payable. You will be responsible for reporting and paying any income tax due on this additional benefit directly to HMRC under the self-assessment regime and for reimbursing the Company or the Employer, as applicable, for the value of any National Insurance contributions due on this additional benefit, which may be obtained from you by the Company or the Employer at any time thereafter by any of the means referred to in Section 7 of the Terms and Conditions.

[End of Agreement]

**FORM OF RESTRICTED STOCK UNIT AGREEMENT
FOR SENIOR VICE PRESIDENTS AND ABOVE
ADVANCED MICRO DEVICES, INC. 2004 EQUITY INCENTIVE PLAN
RESTRICTED STOCK UNIT GRANT NOTICE
ADVANCED MICRO DEVICES, INC. 2004 EQUITY INCENTIVE PLAN**

Advanced Micro Devices, Inc., a Delaware corporation (the "**Company**"), pursuant to its 2004 Equity Incentive Plan (as amended and restated, the "**Plan**"), hereby grants to the holder listed below ("**Participant**") this award ("**Award**") of restricted stock units set forth below (the "**RSUs**"). This Award is subject to all of the terms and conditions set forth herein and in the Terms and Conditions to the RSUs (the "**Terms and Conditions**"), including any applicable country-specific terms and conditions for Participant's country set forth in the appendix thereto (the "**Appendix**") and in the Plan, each of which is incorporated herein by reference. Unless otherwise defined, the terms defined in the Plan shall have the same defined meanings in this Restricted Stock Unit Grant Notice (the "**Grant Notice**") and the Terms and Conditions.

Participant: _____

Employee ID: _____

Grant Date: _____

Number of Restricted Stock Units: _____

Vesting Schedule: [To be specified in individual agreements], subject to Participant continuing to be an active Service Provider through each applicable vesting date.

Intended Award Value:
(For Internal Use Only) _____

By his or her signature below or by electronic acceptance or authentication in a form authorized by the Company, Participant hereby: (a) agrees to be bound by the terms and conditions of the Plan, the Terms and Conditions, the Appendix and this Grant Notice; (b) acknowledges that he or she has reviewed the Plan, the Terms and Conditions, the Appendix and this Grant Notice in their entirety, has had an opportunity to obtain the advice of counsel prior to executing this Grant Notice, and fully understands all provisions of the Plan, the Terms and Conditions, the Appendix and this Grant Notice; (c) agrees to accept as binding, conclusive and final all decisions or interpretations of the Administrator upon any questions arising under the Plan, the Terms and Conditions, the Appendix or this Grant Notice; and (d) acknowledges and agrees that if he or she fails to timely activate a brokerage account with the Company's designated brokerage firm (currently E*Trade) on or before the last business day preceding the first vesting date of the RSUs, then this Award will be immediately cancelled and forfeited and he or she will not receive any other benefits or compensation as replacement for this Award.

ADVANCED MICRO DEVICES, INC.

PARTICIPANT

By:

By:

Print Name:

Print Name:

Title:

**TERMS AND CONDITIONS
RESTRICTED STOCK UNIT AWARD
ADVANCED MICRO DEVICES, INC. 2004 EQUITY INCENTIVE PLAN**

These Terms and Conditions (“*Terms and Conditions*”) together with the Plan, the Grant Notice, any country-specific terms and conditions for your country contained in the Appendix hereto, comprise your agreement (the “*Agreement*”) with the Company, regarding restricted stock units (the “*RSUs*”) awarded under the Plan.

1. **Vesting of Restricted Stock Units.** The RSUs will vest on the date(s) shown on the Grant Notice provided that you continue to be an active Service Provider through each vesting date. Notwithstanding the immediately preceding sentence, if your status as an active Service Provider terminates due to your death you will immediately vest in the Number of RSUs set forth in the Grant Notice. Unless and until the RSUs have vested in accordance with the vesting schedule set forth in the Grant Notice, you will have no right to receive Shares in settlement of such RSUs.

2. **Settlement of Vested RSUs; Issuance of Shares.** Subject to Sections 4 and 10 of these Terms and Conditions, and further subject to any applicable country-specific terms and conditions set forth in the Appendix, the Shares in respect of vested RSUs will be issued in your name on or as soon as practicable following the date the underlying RSUs vest (the “*Standard Settlement Date*”).

Until Shares are actually issued in settlement of any vested RSUs, such RSUs will represent an unfunded, unsecured obligation of the Company.

3. **Nontransferability of Restricted Stock Units.** Unless determined otherwise by the Administrator, the RSUs may not be pledged, assigned, sold or otherwise transferred.

4. **Forfeiture of Restricted Stock Units.** Except as otherwise provided in Section 6(e) of these Terms and Conditions, if your status as a Service Provider terminates for any reason other than your death before the vesting date(s) shown on the Grant Notice, your unvested RSUs will be cancelled and forfeited without consideration. In case of any dispute as to whether your status as a Service Provider has terminated, the Administrator will have sole discretion to determine whether such termination has occurred and the effective date of such termination.

For purposes of this Award, your status as an active Service Provider will be considered terminated (regardless of the reason for termination and whether or not the termination is in breach of Applicable Laws) effective as of the date you are no longer actively employed by or providing services to the Company or an Affiliate, and will not be extended by any notice period mandated under Applicable Laws (*e.g.*, active employment or service would not include a period of “garden leave” or similar period pursuant to Applicable Law). The Administrator will have the exclusive discretion to determine when your status as an active Service Provider terminates for purposes of this Award (including whether you may still be considered to be employed by or providing services to the Company or an Affiliate while on a leave of absence).

5. **Responsibility for Taxes.** Regardless of any action the Company or, if different, your employer (the “*Employer*”) takes with respect to any or all income tax, social insurance, payroll tax, fringe benefit tax, payment on account or other tax-related items related to your participation in the Plan and legally applicable to you (“*Tax-Related Items*”), you acknowledge that the ultimate liability for all Tax-Related Items is and remains your responsibility and may exceed the amount actually withheld by the Company or the Employer. You further acknowledge that the Company and/or the Employer: make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the RSUs, including, but not limited to, the grant, vesting or settlement of the RSUs, the issuance of Shares upon settlement of the RSUs, the subsequent sale of Shares acquired pursuant to such issuance and the receipt of any dividends and/or any dividend equivalents; and do not commit to and are under no obligation to structure the terms of the Award or any aspect of the RSUs to reduce or eliminate your liability for Tax-Related Items or achieve any particular tax result. Further, if you are subject to tax in more than one jurisdiction, you acknowledge that the Company and/or the Employer (or former employer, as applicable) may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

Prior to any relevant taxable or tax withholding event, as applicable, you will pay or make adequate arrangements satisfactory to the Company and/or the Employer to satisfy all Tax-Related Items (including hypothetical withholding tax

amounts if you are covered under a Company or Employer Tax equalization policy).. In this regard, you authorize the Company, the Employer, and their respective agents, at their discretion, to satisfy any applicable withholding obligations with regard to all Tax-Related Items by one or a combination of the following:

- (a) withholding from your wages or other cash compensation payable to you by the Company and/or the Employer;
- (b) withholding from proceeds of the sale of Shares issuable or issued to you upon vesting and/or settlement of the RSUs either through a voluntary sale or through a mandatory sale arranged by the Company (on your behalf pursuant to this authorization without your further consent or authorization); or
- (c) withholding in Shares to be issued upon vesting and/or settlement of the RSUs; or
- (d) requiring you to make a payment in cash by certified check or wire transfer.

Depending on the withholding method, the Company may withhold or account for Tax-Related Items by considering statutory withholding rates or other withholding rates, including maximum rates applicable in your jurisdiction(s), in which case you may receive a refund of any over-withheld amount in cash and will have no entitlement to the equivalent amount in Shares. If the obligation for Tax-Related Items is satisfied by withholding in Shares, you are deemed for tax purposes to have been issued the full number of Shares subject to the vested RSUs, notwithstanding that a number of the Shares are held back solely for the purpose of paying the Tax-Related Items due as a result of any aspect of your participation in the Plan.

If you are covered by a Company or Employer tax equalization policy, you agree to pay to the Company or Employer any additional hypothetical tax obligation calculated and paid under the terms of such tax equalization policy. Finally, you must pay to the Company or the Employer any amount of Tax-Related Items that the Company or the Employer may be required to withhold or account for as a result of your participation in the Plan that cannot be satisfied by the means previously described. The Company may refuse to issue or deliver the Shares or the proceeds of the sale of Shares, if you fail to comply with your obligations in connection with the Tax-Related Items.

6. **Other Terms and Conditions.**

(i)**The Plan.** The Agreement is further subject to the terms and provisions of the Plan. Only certain provisions of the Plan are described in the Agreement. As a condition to your receipt of the RSUs and any Shares issuable in settlement of vested RSUs, you acknowledge and agree to the terms and conditions of the Agreement and the terms and provisions of the Plan.

(ii)**Activation of Brokerage Account.** This Award of RSUs is subject to and conditioned on your activation of a brokerage account with the Company's designated brokerage firm on or before the last business day immediately preceding the first vesting date of the RSUs. If you fail to timely activate a brokerage account with the Company's designated brokerage firm, then this Award and all of the RSUs covered by this Award will be immediately cancelled and forfeited and you will not receive any other benefits or compensation as replacement for the RSUs.

(iii)**Stockholder Rights.** Until the Shares are issued, you have no right to vote or receive dividends or any other rights as a stockholder with respect to the RSUs.

(iv)**Employment Relationship.** Nothing in the Agreement will confer on you any right to continue in the employ of the Company or the Employer or interfere with or restrict rights of the Company or the Employer, which are hereby expressly reserved, to terminate your employment at any time.

(v)**Change of Control.** If your employment is terminated by the Company or the Employer (including for this purpose any successor to the Company due to such Change of Control and any employer that is an Affiliate of such successor) for any reason other than for Misconduct or, if applicable, by you as a result of a Constructive Termination, within one year after a Change of Control, then the RSUs will become fully vested upon the date of termination.

(vi)Declination of RSUs. If you wish to decline your RSUs, you must complete and file the Declination of Grant form with Corporate Compensation and Benefits no later than one calendar month prior to the first vesting date of the RSUs. Your declination is non-revocable, and you will not receive a grant of stock options or any other compensation as replacement for the declined RSUs. Your decision to not timely file the Declination of Grant form will constitute your acceptance of the Award on the terms on which it is offered, as set forth in this Agreement and the Plan.

(vii)Recovery in the Event of a Financial Restatement; Claw-Back Policy. In the event the Company is required to prepare an accounting restatement due to material noncompliance of the Company with any financial reporting requirement under applicable securities laws, the Administrator will review all equity-based compensation (including the RSUs) awarded to employees at the Senior Vice President level and above. If the Administrator (in its sole discretion) determines that you were directly involved with fraud, misconduct or gross negligence that contributed to or resulted in such accounting restatement, the Administrator may, to the extent permitted by Applicable Laws, recover for the benefit of the Company all or a portion of the equity-based compensation awarded to you, including (without limitation) by cancelation, forfeiture, repayment and disgorgement of profits realized from the sale of securities of the Company; provided, however, the Administrator will not have the authority to recover any equity-based compensation awarded more than 18 months prior to the date of the first public issuance or filing with the U.S. Securities and Exchange Commission (the "**SEC**") (whichever first occurs) of the financial document embodying such financial reporting requirement. In determining whether to seek recovery, the Administrator may take into account any considerations it deems appropriate, including Applicable Laws and whether the assertion of a recovery claim may prejudice the interests of the Company in any related proceeding or investigation. Further, and notwithstanding the foregoing, the RSUs (including any proceeds, gains or other economic benefit actually or constructively received by you upon any receipt of the RSUs or upon the receipt or resale of any Shares underlying the RSUs) shall be subject to the provisions of any claw-back policy implemented by the Company, including, without limitation, any claw-back policy adopted to comply with the requirements of Applicable Laws, including without limitation, the Dodd-Frank Wall Street Reform and Consumer Protection Act and any rules or regulations promulgated thereunder, to the extent set forth in such claw-back policy.

7. **Nature of Grant**. In accepting this Award, you acknowledge, understand and agree that:

(viii)the Plan is established voluntarily by the Company, it is discretionary in nature and it may be modified, amended, suspended or terminated by the Company at any time;

(ix)the grant of the RSUs is exceptional, voluntary and occasional and does not create any contractual or other right to receive future grants of RSUs, or benefits in lieu of RSUs, even if RSUs have been granted in the past;

(x)all decisions with respect to future RSU grants, if any, will be at the sole discretion of the Company;

(xi)you are voluntarily participating in the Plan;

(xii)the RSUs and the Shares subject to the RSUs, and the value of and income from such RSUs and Shares, are not intended to replace any pension rights, retirement benefits or other compensation;

(xiii)the RSUs and the Shares subject to the RSUs, and the value of and income from such RSUs and Shares, are not part of normal or expected compensation or salary for purposes of calculating any severance, resignation, termination, redundancy, dismissal, end of service payments, bonuses, long-service awards, pension or retirement or welfare benefits or similar payments;

(xiv)the RSU grant and your participation in the Plan will not be interpreted to form an employment contract or other service relationship with the Company, the Employer or any Affiliate;

(xv)the future value of the underlying Shares is unknown and cannot be predicted with certainty;

(xvi)no claim or entitlement to compensation or damages will arise from forfeiture of the RSUs resulting from termination of your status as a Service Provider (for any reason whatsoever and whether or not in breach of Applicable Laws), and in consideration of the grant of the RSUs to which you are otherwise not entitled, you irrevocably agree to (i)

never institute any such claim against the Company, the Employer, or any of their respective Affiliates, (ii) waive your ability, if any, to bring any such claim against the Company, the Employer or any of their respective Parents, Subsidiaries or Affiliates, (iii) forever release the Company, the Employer and each of their respective Affiliates from any such claim, and (iv) execute any and all documents necessary, or reasonably requested by the Company, to request dismissal or withdrawal of any such claim that is allowed by a court of competent jurisdiction, in each case to the maximum extent permitted by Applicable Laws;

(xvii) the RSUs and the benefits under the Plan, if any, will not automatically transfer to another company in the case of a merger of the Company with or into another company or the sale of substantially all of the assets of the Company; and

(xviii) if you are providing services outside the United States:

a. the RSUs and the Shares subject to the RSUs, and the value of and income from such RSUs, are not part of normal or expected compensation or salary for any purpose, including, without limitation, for purposes of calculating any severance, resignation, termination, redundancy, dismissal, end-of-service payments, holiday pay, bonuses, long-service awards, leave-related payments, pension benefits, retirement benefits, welfare benefits or similar mandatory payments; and

b. none of the Company, the Employer, or any of their respective Affiliates will be liable for any foreign exchange rate fluctuation between any local currency and the U.S. Dollar that may affect the value of the RSUs, any amounts due to you pursuant to the settlement of the RSUs or the subsequent sale of any Shares acquired upon settlement.

8. **No Advice Regarding Grant.** The Company is not providing any tax, legal or financial advice, nor is the Company making any recommendations regarding your participation in the Plan, or your acquisition or sale of the underlying Shares. You are hereby advised to consult with your own personal tax, legal and financial advisors regarding your participation in the Plan before taking any action related to the Plan.

9. **Data Privacy.** *You understand that the Company and the Employer hold certain personal information about you, including, but not limited to, your name, home address, email address, and telephone number, date of birth, social insurance number, passport number or other identification number, salary, nationality, job title, any Shares or directorships held in the Company, details of all RSUs or any other entitlement to Shares awarded, canceled, exercised, vested, unvested or outstanding in your favor (your "Data"), for the exclusive purpose of implementing, administering and managing the Plan.*

You understand that it will be necessary for your Data to be collected, used and transferred, in electronic or other form, as described in the Agreement and any other Award Documentation by and among, as applicable, the Employer, the Company and any Affiliate. Such processing will be for the exclusive purpose of implementing, administering and managing your participation in the Plan, and therefore for the performance of the Agreement. The provision of your Data is a contractual requirement. Without the provision of your Data, it will not be possible for the Company and/or the Employer to perform their obligations under the Agreement.

You understand that, in performing the Agreement, it will be necessary for:

- *your Data to be transferred to a Company-designated Plan broker, or such other stock plan service provider as may be selected by the Company in the future, which is assisting the Company with the implementation, administration and management of the Plan;*
- *the Company, its Plan broker and any other possible recipients which may assist the Company (presently or in the future) with implementing, administering and managing the Plan, to receive, possess, use, retain and transfer your Data, in electronic or other form, for the sole purpose of implementing, administering and managing your participation in the Plan; and*
- *your Data to be held only as long as is necessary to implement, administer and manage your participation in the Plan.*

If you are located in the European Union (“EU”), European Economic Area (“EEA”) or the United Kingdom (“UK”), you understand that the recipients of your Data may be located in countries outside of the EU/EEA/UK, including the United States, and that the recipients’ country may not have privacy laws and protections that are equivalent to those of the EU/EEA/UK member state in which you are based. You understand that if you reside in the EU/EEA/UK, you can request a list with the names and addresses of any recipients of your Data by contacting your local human resources representative.

You understand that if you reside in the EU/EEA/UK, you may, at any time and free of charge, request access to your Data, object to the processing of your Data, request to have access to it restricted, request additional information about the storage and processing of your Data, require any necessary amendments to your Data or ask for it to be erased by contacting your local human resources representative in writing. You may also have the right to receive a copy of your Data in a machine-readable format, and the right to not be subject to any decision that significantly affects you being taken solely by automated processing, including profiling. We will process any request in line with applicable laws and our policies and procedures. You also have the right to lodge a complaint with a local supervisory authority.

10. **Compliance with Laws and Regulations.** The issuance and transfer of the Shares will be subject to and conditioned upon compliance by the Company and you with all applicable state, federal and foreign laws and regulations and with all applicable requirements of any stock exchange or automated quotation system on which the Shares may be listed or quoted at the time of such issuance or transfer; and, you understand that the Company shall not be required to issue or deliver any Shares prior to fulfillment of all of the following conditions: (a) the admission of such Shares to listing on all stock exchanges on which the Company’s common stock is then listed; (b) the completion of any registration or other qualification of such Shares under any state or federal law or under rulings or regulations of the SEC or of any other governmental regulatory body, which the Administrator shall, in its absolute discretion, deem necessary or advisable; (c) the obtaining of any approval or other clearance from any state or federal governmental agency which the Administrator shall, in its absolute discretion, determine to be necessary or advisable; and (d) the lapse of such reasonable period of time following the vesting or settlement as the Administrator may from time to time establish for reasons of administrative convenience. The Shares shall be fully paid and nonassessable. You understand that the Company is under no obligation to register or qualify the Shares with the SEC or any state or foreign securities commission or to seek approval or clearance from any governmental authority for the issuance or sale of the Shares. Further, you agree that the Company has unilateral authority to amend the Plan and the Agreement without your consent to the extent necessary or advisable to comply with securities or other laws applicable to issuance of Shares.

11. **Successors and Assigns.** The Company may assign any of its rights under the Agreement. The Agreement will be binding upon and inure to the benefit of the successors and assigns of the Company. Subject to the restrictions on transfer contained herein, the Agreement will be binding upon you and your heirs, executors, administrators, legal representatives, successors and assigns.

12. **Governing Law; Jurisdiction; Severability.** The Agreement is to be governed by and construed in accordance with the internal laws of the State of Delaware, U.S.A., as such laws are applied to agreements between Delaware residents entered into and to be performed entirely within Delaware, excluding that body of laws pertaining to conflict of laws. For purposes of litigating any dispute that arises directly or indirectly from the relationship of the Company and you evidenced by this grant or the Agreement, the Company and you hereby submit to and consent to the exclusive jurisdiction of the State of Delaware and agree that such litigation will be conducted only in the courts of New Castle County, Delaware, or the federal courts for the United States for the District of Delaware, and no other courts, where this grant is made and/or to be performed. If any provision of the Agreement is determined by a court of law to be illegal or unenforceable, in whole or in part, that provision will be enforced to the maximum extent possible and the other provisions will remain fully effective and enforceable.

13. **Further Instruments.** You agree to execute further instruments and to take further actions as may be reasonably necessary to carry out the purposes and intent of the Agreement.

14. **Administrator Authority.** The Administrator has the power to interpret the Plan and the Agreement and to adopt such rules for the administration, interpretation and application of the Plan as are consistent therewith and to interpret or

revoke any such rules (including, but not limited to, the determination of whether or not any RSUs have vested). All actions taken and all interpretations and determinations made by the Administrator will be final and binding upon you, the Company and all other interested persons. The Administrator will not be personally liable for any action, determination or interpretation made with respect to the Plan or the Agreement

15. **Language.** You acknowledge that you are sufficiently proficient in English, or have consulted with an advisor who is sufficiently proficient in English, to understand the terms and conditions of the Agreement. Furthermore, if you have received the Agreement or any other Award Documentation translated into a language other than English and if the meaning of the translated version is different than the English version, the English version will control.

16. **Electronic Delivery and Acceptance.** The Company may, in its sole discretion, decide to deliver any documents related to current or future participation in the Plan by electronic means. You hereby consent to receive such documents by electronic delivery and agree to participate in the Plan through an on-line or electronic system established and maintained by the Company or a third party designated by the Company.

17. **Imposition of Other Requirements.** The Company reserves the right to impose other requirements on your participation in the Plan, on the RSUs and on any Shares acquired under the Plan, to the extent the Company determines it is necessary or advisable in order to comply with Applicable Laws or facilitate the administration of the Plan, and to require you to sign any additional agreements or undertakings that may be necessary to accomplish the foregoing.

18. **Headings.** The captions and headings of the Agreement are included for ease of reference only and will be disregarded in interpreting or construing the Agreement. All references herein to Sections will refer to Sections of these Terms and Conditions, unless otherwise noted.

19. **Appendix.** Notwithstanding any provisions in the Award Documentation, the RSU grant will be subject to any additional terms and conditions for your country set forth in an Appendix to these Terms and Conditions. Moreover, if you relocate to one of the countries included in the Appendix, the additional terms and conditions for such country will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable for legal or administrative reasons. The Company reserves the right to require you to sign any additional agreements that may be necessary to accomplish the foregoing. The Appendix constitutes part of the Agreement.

20. **Waiver.** You acknowledge that a waiver by the Company of breach of any provision of the Agreement will not operate or be construed as a waiver of any other provision of the Agreement, or of any subsequent breach by you or any other Participant.

21. **Entire Agreement.** The Plan, these Terms and Conditions, the Appendix and the Grant Notice constitute the entire agreement and understanding of the parties with respect to the subject matter of the Agreement, and supersede all prior understandings and agreements, whether oral or written, between the parties with respect to the specific subject matter hereof.

22. **Insider Trading Restrictions/Market Abuse Laws.** You acknowledge that, depending on your or your broker's country or the country in which the Shares are listed, you may be subject to insider trading restrictions and/or market abuse laws, which may affect your ability to accept, acquire, sell or otherwise dispose of Shares or rights to Shares (or rights linked to Shares) under the Plan (*e.g.*, RSUs) during such times as you are considered to have "inside information" regarding the Company (as defined by the laws or regulations in your country). Local insider trading laws and regulations may prohibit the cancellation or amendment of orders you placed before you possessed insider information. Furthermore, you could be prohibited from (a) disclosing the inside information to any third party (other than on a "need to know" basis) and (b) "tipping" third parties (including employees and other service providers) or causing them otherwise to buy or sell Company securities. Any restrictions under these laws or regulations are separate from and in addition to any restrictions that may be imposed under any applicable Company insider trading policy. You acknowledge that it is your responsibility to comply with any applicable restrictions, and you should speak to your personal advisor on this matter.

23. **Notices.** Any notice to be given under the terms of the Agreement to the Company shall be addressed to the Company in care of the Secretary of the Company at the Company's principal office, and any notice to be given to you shall be addressed to you at your last residential or email address reflected on the Company's records. By a notice given pursuant

to this Section 23, either party may hereafter designate a different address for notices to be given to that party. Any notice which is required to be given to you shall, if you are then deceased, be given to your legal representative. Any notice shall be deemed duly given to you (or, if applicable, your legal representative), (a) if it is delivered by email, upon confirmation of receipt (with an automatic “read receipt” constituting acknowledgment of receipt for purposes of this Section 23(a)); and (b) if sent by certified mail (return receipt requested), on the second business day following deposit (with postage prepaid) in a post office or branch post office regularly maintained by the United States Postal Service or similar local service in jurisdictions outside of the United States.

24. **Limitations Applicable to Section 16 Persons.** Notwithstanding any other provision of the Plan or the Agreement, if you are subject to Section 16 of the Exchange Act, the Plan, the RSUs and the Agreement shall be subject to any additional limitations set forth in any applicable exemptive rule under Section 16 of the Exchange Act (including any amendment to Rule 16b-3 of the Exchange Act) that are requirements for the application of such exemptive rule. To the extent permitted by Applicable Laws, the Agreement shall be deemed amended to the extent necessary to conform to such applicable exemptive rule.

25. **Section 409A.** The RSUs are not intended to constitute “nonqualified deferred compensation” within the meaning of Section 409A of the Code (together with any U.S. Department of Treasury regulations and other interpretive guidance issued thereunder, including without limitation any such regulations or other guidance that may be issued after the date hereof, “**Section 409A**”). However, notwithstanding any other provision of the Plan or the Agreement, if at any time the Administrator determines that the RSUs (or any portion thereof) may be subject to Section 409A, the Administrator shall have the right in its sole discretion (without any obligation to do so or to indemnify you or any other person for failure to do so) to adopt such amendments to the Plan or the Agreement, or adopt other policies and procedures (including amendments, policies and procedures with retroactive effect), or take any other actions, as the Administrator determines are necessary or appropriate either for the RSUs to be exempt from the application of Section 409A or to comply with the requirements of Section 409A.

26. **Limitation on Participant’s Rights.** Participation in the Plan confers no rights or interests other than as herein provided. The Agreement creates only a contractual obligation on the part of the Company as to amounts payable and shall not be construed as creating a trust. Neither the Plan nor any underlying program, in and of itself, has any assets. You shall have only the rights of a general unsecured creditor of the Company with respect to amounts credited and benefits payable, if any, with respect to the RSUs, and rights no greater than the right to receive the Shares as a general unsecured creditor with respect to RSUs, as and when vested or settled pursuant to the terms hereof.

27. **Termination, Rescission and Recapture.** The RSUs are intended to align your long-term interests with the long-term interests of the Company. If you engage in certain activities discussed below, either during employment with the Company or after such employment terminates for any reason, the Company may terminate any outstanding, unexpired or unpaid RSUs (“**Termination**”), rescind any payment or delivery of Shares pursuant to the RSUs (“**Rescission**”) or recapture any cash or any Shares or any proceeds from your sale of Shares acquired pursuant to the RSUs (“**Recapture**”), as more fully described below and to the extent permitted by Applicable Laws. For purposes of this Section 27, “**Competitive Organization or Business**” is defined as those corporations, institutions, individuals, or other entities identified by the Company as competitive or working to become competitive in the Company’s most recently filed annual report on Form 10-K.

(xix) You are acting contrary to the long-term interests of the Company if you at any time fail to comply with any agreement or undertaking regarding inventions, intellectual property rights, and/or proprietary or confidential information or material that you signed or otherwise agreed to in favor of the Company.

(xx) You are acting contrary to the long-term interests of the Company if you, while employed by the Company: (i) materially breach the AMD Agreement or any Company (or Affiliate) policy applicable to you, or any written agreement between you and the Company (or Affiliate); (ii) violate the Company’s Worldwide Standards of Business Conduct or commit any other act of misconduct, or violate state or federal law relating to the workplace (including laws related to sexual harassment or age, sex or other prohibited discrimination); (iii) commit any act or omission resulting in your being charged with a criminal offense involving moral turpitude, dishonesty, or breach of trust; or (iv) engage in conduct that constitutes a felony, or enter a plea of guilty or nolo contendere with respect to a felony under applicable law. Whether you are acting

contrary to the long-term interests of the Company for any of the reasons set forth in clauses (i) through (iv) above shall be determined by the Administrator in its sole discretion.

(xxi) You are acting contrary to the long-term interests of the Company if, during the restricted period set forth below, you engage in any of following activities in, or directed into, any State, possession or territory of the United States of America or any country in which the Company operates, sells products or does business:

c. while employed by the Company, you render services to or otherwise directly or indirectly engage in or assist, any Competitive Organization or Business;

d. while employed by the Company or at any time thereafter, without the prior written consent of the Compensation and Leadership Resources Committee of the Board (“**CLRC**”), you (A) use any confidential information or trade secrets of the Company to render services to or otherwise engage in or assist any Competitive Organization or Business or (B) solicit away or attempt to solicit away any customer or supplier of the Company if in doing so, you use or disclose any of the Company’s confidential information or trade secrets;

e. while employed by the Company or during a period of twelve (12) months thereafter, without the prior written consent of the Board, you carry on any business or activity (whether directly or indirectly, as a partner, shareholder, principal, agent, director, affiliate, employee or consultant) that is a direct material Competitive Organization or Business (as conducted now or during the term of this Agreement);

f. while employed by the Company or during the period of twelve (12) months thereafter, without the prior written consent of the Board, you solicit away or influence or attempt to influence or solicit away any client, customer or other person either directly or indirectly to direct his/her or its purchase of the Company’s products and/or services to any Competitive Organization or Business; or

g. while employed by the Company or during a period of twelve (12) months thereafter, without the prior written consent of the Board, you solicit or influence or attempt to influence or solicit any person employed by the Company or any consultant then retained by the Company to terminate or otherwise cease his/her employment or consulting relationship with the Company or become an employee of or perform services for any outside organization or business that is or is working to become competitive with the Company.

The activities described in this Section 27(c) are collectively referred to as “**Activities Against the Company’s Interest.**”

(xxii) If the Company determines, in its sole and absolute discretion, that: (i) you have violated any of the requirements set forth in Section 27(a) or (b) above or (ii) you have engaged in any Activities Against the Company’s Interest (the date on which such violation or activity first occurred being referred to as the “**Trigger Date**”), then the Company will, in its sole and absolute discretion, impose a Termination, Rescission and/or Recapture of any or all of the RSUs, Shares issued or issuable pursuant to the RSUs, or the proceeds you received therefrom, provided, that such Termination, Rescission and/or Recapture shall not apply to the RSUs to the extent that such RSUs vested earlier than one year prior to the Trigger Date. Within ten days after receiving notice from the Company that Rescission or Recapture is being imposed on any RSU, you shall deliver to the Company the Shares acquired pursuant to the RSUs, or, if you have sold such Shares, the gain realized, or payment received as a result of the rescinded payment or delivery. Any payment by you to the Company pursuant to this Section 27(d) shall be made either in cash or by returning to the Company the number of Shares that you received in connection with the rescinded payment or delivery. It shall not be a basis for Termination, Rescission or Recapture if after your termination of employment, you purchase, as an investment or otherwise, stock or other securities of a Competitive Organization or Business, so long as (x) such stock or other securities are listed upon a recognized securities exchange or traded over-the-counter, and (y) such investment does not represent more than a one percent equity interest in the organization or business.

(xxiii) Upon payment or delivery of Shares pursuant to the RSUs, you shall, if requested by the Company, certify on a form acceptable to the Company that you are in compliance with the terms and conditions of this Agreement and, if your termination of employment has occurred, shall state the name and address of your then-current employer or any entity for

which you perform business services and your title, and shall identify any organization or business in which you own a greater-than-one-percent equity interest.

(xxiv) Notwithstanding the foregoing provisions of this Section 27, in exceptional cases, the Company has sole and absolute discretion not to require Termination, Rescission and/or Recapture, and its determination not to require Termination, Rescission and/or Recapture with respect to any particular act by you or the RSUs shall not in any way reduce or eliminate the Company's authority to require Termination, Rescission and/or Recapture with respect to any other act by you or other equity awards.

(xxv) Nothing in this Section 27 shall be construed to impose obligations on you to refrain from engaging in lawful competition with the Company after the termination of employment. For the avoidance of doubt, you acknowledge that this Section 27(f) shall not limit or supersede any other agreement between you and the Company concerning restrictive covenants.

(xxvi) All administrative and discretionary authority given to the Company under this Section 27 shall be exercised by the CLRC, or an executive officer of the Company as the CLRC may designate from time to time.

(xxvii) Notwithstanding any provision of this Section 27, if any provision of this Section 27 is determined to be unenforceable or invalid under any Applicable Laws, such provision will be applied to the maximum extent permitted by Applicable Laws, and shall automatically be deemed amended in a manner consistent with its objectives to the extent necessary to conform to any limitations required under Applicable Laws. Furthermore, if any provision of this Section 27 is illegal under any Applicable Laws, such provision shall be null and void to the extent necessary to comply with Applicable Laws.

(xxviii) Notwithstanding the foregoing, this Section 27 shall not be applicable to you from and after your termination of employment if such termination of employment occurs after a Change of Control.

28. **Foreign Asset/Account Reporting; Exchange Control Requirements.** Certain applicable foreign asset and/or foreign account reporting requirements and exchange controls may affect your ability to acquire or hold Shares acquired under the Plan or cash received from participating in the Plan (including any dividends paid on Shares acquired under the Plan) in a brokerage or bank account outside your country. You may be required to report such accounts, assets or transactions to the tax or other authorities in your country. You may also be required to repatriate sale proceeds or other funds received as a result of your participation in the Plan to your country through a designated bank or broker and/or within a certain time after receipt. You acknowledge that you are responsible for complying with any applicable regulations, and that you should speak to your personal legal advisor for any details.

By signing the Grant Notice or otherwise accepting the RSU grant and the Shares issued upon vesting of the RSUs, you agree to be bound by terms of the Agreement and the Plan.

APPENDIX

Terms and Conditions Restricted Stock Unit Award Advanced Micro Devices, Inc. 2004 Equity Incentive Plan

Capitalized terms not specifically defined in this Appendix (this “**Appendix**”) have the same meaning assigned to them in the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan (as amended and restated, the “**Plan**”) and/or the Terms and Conditions to which this Appendix is attached (the “**Terms and Conditions**”).

This Appendix includes additional terms and conditions that govern the grant of RSUs in the United Kingdom. If you are a citizen or resident of a country other than the one in which you are currently residing and/or working, transfer residency and/or employment to another country after the grant of the RSUs or are considered a resident of another country for local law purposes, the Company may, in its discretion, determine to what extent the additional terms and conditions contained herein will be applicable to you.

The additional terms and conditions set forth herein are based on the laws in effect in the United Kingdom as of April 2020. The laws of the United Kingdom are complex and subject to change. As a result, you should not rely on the information noted herein as the only source of information relating to the consequences of your participation in the Plan because the information may be out of date at vesting of the RSUs, the receipt of any dividends or dividend equivalents or the subsequent sale of the Shares. Accordingly, if you are subject to the laws of the United Kingdom, you should seek appropriate professional advice as to how those may apply to your particular situation.

UNITED KINGDOM

Terms and Conditions

Settlement of Restricted Stock Units. The following provision supplements Section 2 of the Terms and Conditions:

Notwithstanding any discretion contained in Section 11(d) of the Plan, RSUs will be settled in Shares only, not cash.

Responsibility for Taxes. The following provisions supplement Section 5 of the Terms and Conditions:

Without limitation to Section 5 of the Terms and Conditions, you hereby agree that you are liable for all Tax-Related Items and hereby covenant to pay all such Tax-Related Items, as and when requested by the Company or the Employer, as applicable, or by Her Majesty’s Revenue & Customs (“**HMRC**”) (or any other tax authority or any other relevant authority). You also hereby agree to indemnify and keep indemnified the Company and the Employer, as applicable, against any Tax-Related Items that they are required to pay or withhold or have paid or will pay on your behalf to HMRC (or any other tax authority or any other relevant authority).

Notwithstanding the foregoing, if you are a director or executive officer of the Company (within the meaning of Section 13(k) of the Exchange Act), the terms of immediately foregoing provision may not apply in case the indemnification could be considered a loan. In this case, the amount of the income tax not collected within ninety (90) days of the end of the U.K. tax year in which an event giving rise to the Tax-Related Items occurs may constitute a benefit to you on which additional income tax and National Insurance contributions may be payable. You will be responsible for reporting and paying any income tax due on this additional benefit directly to HMRC under the self-assessment regime and for reimbursing the Company or the Employer, as applicable, for the value of any National Insurance contributions due on this additional benefit, which may be obtained from you by the Company or the Employer at any time thereafter by any of the means referred to in Section 5 of the Terms and Conditions.

Certification of Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

I, Lisa T. Su, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Advanced Micro Devices, Inc. (the “Company”);
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the Company as of, and for, the periods presented in this report;
4. The Company’s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the Company and have:
 - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Company, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) evaluated the effectiveness of the Company’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) disclosed in this report any change in the Company’s internal control over financial reporting that occurred during the Company’s most recent fiscal quarter (the Company’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Company’s internal control over financial reporting;
5. The Company’s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Company’s auditors and the audit committee of the Company’s board of directors (or persons performing the equivalent functions):

a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Company's ability to record, process, summarize and report financial information; and

b) any fraud, whether or not material, that involves management or other employees who have a significant role in the Company's internal control over financial reporting.

Date: July 29, 2020

/s/Lisa T. Su

Lisa T. Su
President and Chief Executive Officer
(Principal Executive Officer)

Certification of Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

I, Devinder Kumar, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Advanced Micro Devices, Inc. (the “Company”);
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the Company as of, and for, the periods presented in this report;
4. The Company’s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the Company and have:
 - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Company, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) evaluated the effectiveness of the Company’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) disclosed in this report any change in the Company’s internal control over financial reporting that occurred during the Company’s most recent fiscal quarter (the Company’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Company’s internal control over financial reporting;
5. The Company’s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Company’s auditors and the audit committee of the Company’s board of directors (or persons performing the equivalent functions):

a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Company's ability to record, process, summarize and report financial information; and

b) any fraud, whether or not material, that involves management or other employees who have a significant role in the Company's internal control over financial reporting.

Date: July 29, 2020

/s/Devinder Kumar

Devinder Kumar
Senior Vice President,
Chief Financial Officer and Treasurer
(Principal Financial Officer)

Certification of Principal Executive Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002

Pursuant to 18 U.S.C. § 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, the undersigned officer of Advanced Micro Devices, Inc. (the "Company") hereby certifies, to such officer's knowledge, that:

- (i.) the Quarterly Report on Form 10-Q of the Company for the period ended June 27, 2020 (the "Report") fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and
- (ii.) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: July 29, 2020

/s/Lisa T. Su

Lisa T. Su
President and Chief Executive Officer
(Principal Executive Officer)

Certification of Principal Financial Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002

Pursuant to 18 U.S.C. § 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, the undersigned officer of Advanced Micro Devices, Inc. (the "Company") hereby certifies, to such officer's knowledge, that:

- (i.) the Quarterly Report on Form 10-Q of the Company for the period ended June 27, 2020 (the "Report") fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and
- (ii.) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: July 29, 2020

/s/Devinder Kumar

Devinder Kumar
Senior Vice President,
Chief Financial Officer and Treasurer
(Principal Financial Officer)