

MICRON TECHNOLOGY INC  
Form 10-Q  
January 09, 2017

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 December 1, 2016

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 1-10658

Micron Technology, Inc.

(Exact name of registrant as specified in its charter)

Delaware

75-1618004

(State or other jurisdiction of

(IRS Employer

Identification No.)

incorporation or organization)

8000 S. Federal Way, Boise, Idaho

83716-9632

(Address of principal executive offices)

(Zip Code)

Registrant's telephone number, including area code

(208) 368-4000

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 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 and posted on its corporate website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post 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 definitions of "large accelerated filer," "accelerated filer," and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large Accelerated Filer

Accelerated Filer

Non-Accelerated Filer

Smaller Reporting Company

(Do not check if a smaller reporting company)

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

The number of outstanding shares of the registrant's common stock as of January 3, 2017, was 1,102,751,846.

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Definitions of Commonly Used Terms

As used herein, "we," "our," "us," and similar terms include Micron Technology, Inc. and our consolidated subsidiaries, unless the context indicates otherwise. Abbreviations, terms, or acronyms are commonly used or found in multiple locations throughout this report and include the following:

Term	Definition	Term	Definition
2022 Term Loan B	Senior Secured Term Loan B due 2022	Micron	Micron Technology, Inc. (Parent Company)
2032 Notes	2032C and 2032D Notes	MSTW	Micron Semiconductor Taiwan Co., Ltd.
2032C Notes	2.375% Convertible Senior Notes due 2032	MMJ	Micron Memory Japan, Inc.
2032D Notes	3.125% Convertible Senior Notes due 2032	MMJ Companies	MAI and MMJ
2033 Notes	2033E and 2033F Notes	MMJ Group	MMJ and its subsidiaries
2033E Notes	1.625% Convertible Senior Notes due 2033	MMT	Micron Memory Taiwan Co., Ltd.
2033F Notes	2.125% Convertible Senior Notes due 2033	Nanya	Nanya Technology Corporation
2043G Notes	3.00% Convertible Senior Notes due 2043	Qimonda	Qimonda AG
Elpida	Elpida Memory, Inc.	R&D	Research and Development
IMFT	IM Flash Technologies, LLC	SG&A	Selling, General, and Administration
Inotera	Inotera Memories, Inc.	SSD	Solid-State Drive
Intel	Intel Corporation	TAIBOR	Taipei Interbank Offered Rate
Japan Court	Tokyo District Court	Tera Probe	Tera Probe, Inc.
MAI	Micron Akita, Inc.	VIE	Variable Interest Entity
MCP	Multi-Chip Package		

Additional Information

Micron, Lexar, Crucial, SpecTek, Elpida, JumpDrive, any associated logos, and all other Micron trademarks are the property of Micron. 3D XPoint is a trademark of Intel in the U.S. and/or other countries. Other product names or trademarks that are not owned by Micron are for identification purposes only and may be the registered or unregistered trademarks of their respective owners.

## PART I. FINANCIAL INFORMATION

## ITEM 1. FINANCIAL STATEMENTS

## MICRON TECHNOLOGY, INC.

## CONSOLIDATED STATEMENTS OF OPERATIONS

(in millions except per share amounts)

(Unaudited)

Quarter ended	December 1, 2016	December 3, 2015	
Net sales	\$ 3,970	\$ 3,350	
Cost of goods sold	2,959	2,501	
Gross margin	1,011	849	
Selling, general, and administrative	159	179	
Research and development	470	421	
Restructure and asset impairments	29	15	
Other operating (income) expense, net	(6	) 2	
Operating income	359	232	
Interest income	7	11	
Interest expense	(139	) (96	)
Other non-operating income (expense), net	(14	) (4	)
	213	143	
Income tax (provision) benefit	(31	) 4	
Equity in net income (loss) of equity method investees	(2	) 59	
Net income	180	206	
Net income attributable to noncontrolling interests	—	—	
Net income attributable to Micron	\$ 180	\$ 206	
Earnings per share			
Basic	\$ 0.17	\$ 0.20	
Diluted	0.16	0.19	
Number of shares used in per share calculations			
Basic	1,040	1,035	
Diluted	1,091	1,085	

See accompanying notes to consolidated financial statements.

1

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## MICRON TECHNOLOGY, INC.

## CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

(in millions)

(Unaudited)

Quarter ended	December 1, December 3,	
	2016	2015
Net income	\$ 180	\$ 206
Other comprehensive income (loss), net of tax		
Foreign currency translation adjustments	37	(90 )
Gain (loss) on derivatives, net	(7 )	(4 )
Pension liability adjustments	(1 )	(6 )
Gain (loss) on investments, net	(1 )	(3 )
Other comprehensive income (loss)	28	(103 )
Total comprehensive income	208	103
Comprehensive (income) attributable to noncontrolling interests	—	—
Comprehensive income attributable to Micron	\$ 208	\$ 103

See accompanying notes to consolidated financial statements.

2

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## MICRON TECHNOLOGY, INC.

## CONSOLIDATED BALANCE SHEETS

(in millions except par value amounts)

(Unaudited)

As of	December 1, 2016	September 1, 2016
Assets		
Cash and equivalents	\$ 4,139	\$ 4,140
Short-term investments	30	258
Receivables	2,453	2,068
Inventories	2,750	2,889
Other current assets	132	140
Total current assets	9,504	9,495
Long-term marketable investments	155	414
Property, plant, and equipment, net	15,321	14,686
Equity method investments	1,401	1,364
Intangible assets, net	445	464
Deferred tax assets	599	657
Other noncurrent assets	411	460
Total assets	\$ 27,836	\$ 27,540
Liabilities and equity		
Accounts payable and accrued expenses	\$ 4,155	\$ 3,879
Deferred income	236	200
Current debt	1,155	756
Total current liabilities	5,546	4,835
Long-term debt	8,490	9,154
Other noncurrent liabilities	601	623
Total liabilities	14,637	14,612
Commitments and contingencies		
Redeemable convertible notes	31	—
Micron shareholders' equity		
Common stock, \$0.10 par value, 3,000 shares authorized, 1,098 shares issued and outstanding (1,094 as of September 1, 2016)	110	109
Additional capital	7,777	7,736
Retained earnings	5,469	5,299
Treasury stock, 54 shares held (54 as of September 1, 2016)	(1,029)	(1,029)
Accumulated other comprehensive (loss)	(7)	(35)
Total Micron shareholders' equity	12,320	12,080
Noncontrolling interests in subsidiaries	848	848
Total equity	13,168	12,928
Total liabilities and equity	\$ 27,836	\$ 27,540



See accompanying notes to consolidated financial statements.

3

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## MICRON TECHNOLOGY, INC.

## CONSOLIDATED STATEMENTS OF CASH FLOWS

(in millions)

(Unaudited)

Quarter ended	December 1, 2016	December 3, 2015
Cash flows from operating activities		
Net income	\$ 180	\$ 206
Adjustments to reconcile net income to net cash provided by operating activities		
Depreciation expense and amortization of intangible assets	771	737
Amortization of debt discount and other costs	32	33
Stock-based compensation	46	46
Equity in net (income) loss of equity method investees	2	(59)
Change in operating assets and liabilities		
Receivables	(401)	) 297
Inventories	139	(95)
Accounts payable and accrued expenses	299	2
Deferred income taxes, net	64	(1)
Other	6	(46)
Net cash provided by operating activities	1,138	1,120
Cash flows from investing activities		
Expenditures for property, plant, and equipment	(1,264)	) (990)
Payments to settle hedging activities	(173)	) (46)
Purchases of available-for-sale securities	(84)	) (510)
Proceeds from sales and maturities of available-for-sale securities	567	1,044
Other	64	(158)
Net cash provided by (used for) investing activities	(890)	) (660)
Cash flows from financing activities		
Repayments of debt	(188)	) (197)
Payments on equipment purchase contracts	(24)	) —
Cash paid to acquire treasury stock	(13)	) (135)
Proceeds from issuance of stock under equity plans	29	15
Proceeds from issuance of debt	16	174
Contributions from noncontrolling interests	—	37
Other	(32)	) (34)
Net cash provided by (used for) financing activities	(212)	) (140)
Effect of changes in currency exchange rates on cash and equivalents	(37)	) (2)
Net increase (decrease) in cash and equivalents	(1)	) 318
Cash and equivalents at beginning of period	4,140	2,287
Cash and equivalents at end of period	\$ 4,139	\$ 2,605

See accompanying notes to consolidated financial statements.

4

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MICRON TECHNOLOGY, INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(All tabular amounts in millions except per share amounts)

(Unaudited)

Business and Basis of Presentation

We are a global leader in advanced semiconductor systems. Our broad portfolio of high-performance memory technologies, including DRAM, NAND Flash, and NOR Flash, is the basis for solid-state drives, modules, multi-chip packages, and other system solutions. Our memory solutions enable the world's most innovative computing, consumer, enterprise storage, networking, mobile, embedded, and automotive applications. The accompanying consolidated financial statements include the accounts of Micron and our consolidated subsidiaries and have been prepared in accordance with accounting principles generally accepted in the United States of America consistent in all material respects with those applied in our Annual Report on Form 10-K for the year ended September 1, 2016. In the opinion of our management, the accompanying unaudited consolidated financial statements contain all necessary adjustments, consisting of a normal recurring nature, to fairly state the financial information set forth herein. Certain reclassifications have been made to prior period amounts to conform to current period presentation.

Our fiscal year is the 52 or 53-week period ending on the Thursday closest to August 31. Fiscal years 2017 and 2016 each contain 52 weeks. All period references are to our fiscal periods unless otherwise indicated. These interim financial statements should be read in conjunction with the consolidated financial statements and accompanying notes included in our Annual Report on Form 10-K for the year ended September 1, 2016.

Variable Interest Entities

We have interests in entities that are VIEs. If we are the primary beneficiary of a VIE, we are required to consolidate it. To determine if we are the primary beneficiary, we evaluate whether we have the power to direct the activities that most significantly impact the VIE's economic performance and the obligation to absorb losses or the right to receive benefits of the VIE that could potentially be significant to the VIE. Our evaluation includes identification of significant activities and an assessment of our ability to direct those activities based on governance provisions and arrangements to provide or receive product and process technology, product supply, operations services, equity funding, financing, and other applicable agreements and circumstances. Our assessments of whether we are the primary beneficiary of our VIEs require significant assumptions and judgments.

Unconsolidated VIEs

Inotera: Prior to our acquisition of the remaining interest in Inotera on December 6, 2016, Inotera was a VIE because of the terms of its supply agreement with us. We had determined that we did not have the power to direct the activities of Inotera that most significantly impacted its economic performance, primarily due to limitations on our governance rights that required the consent of other parties for key operating decisions and due to Inotera's dependence on Nanya for financing and the ability of Inotera to operate in Taiwan. Therefore, we did not consolidate Inotera and we accounted for our interest under the equity method. (See "Equity Method Investments – Inotera" note.)

EQUVO: EQUVO HK Limited ("EQUVO") is a special purpose entity created to facilitate an equipment sale-leaseback financing transaction between us and a consortium of financial institutions. Neither we nor the financing entities have an equity interest in EQUVO. EQUVO is a VIE because its equity is not sufficient to permit it to finance its activities without additional support from the financing entities and because the third-party equity holder

lacks characteristics of a controlling financial interest. By design, the arrangement with EQUVO is merely a financing vehicle and we do not bear any significant risks from variable interests with EQUVO. Therefore, we have determined that we do not have the power to direct the activities of EQUVO that most significantly impact its economic performance and we do not consolidate EQUVO.

SC Hiroshima Energy Corporation: SC Hiroshima Energy Corporation ("SCHE") is an entity created to construct and operate a cogeneration, electrical power plant to support our wafer manufacturing facility in Hiroshima, Japan. We do not have an equity interest in SCHE. SCHE is a VIE due to the nature of its tolling agreements with us and our option to purchase SCHE's assets. We do not control the operation and maintenance of the plant, which we have determined are the activities of SCHE that most significantly impact its economic performance. Therefore, we do not consolidate SCHE.

PTI Xi'an: Powertech Technology Inc. Xi'an ("PTI Xi'an") is a wholly-owned subsidiary of Powertech Technology Inc. ("PTI") and was created to provide assembly services to us at our manufacturing site in Xi'an, China. We do not have an equity interest in PTI Xi'an. PTI Xi'an is a VIE because of the terms of its service agreement with us and its dependency on PTI to finance its operations. We have determined that we do not have the power to direct the activities of PTI Xi'an that most significantly impact its economic performance, primarily because we have no governance rights. Therefore, we do not consolidate PTI Xi'an.

#### Consolidated VIE

IMFT: IMFT is a VIE because all of its costs are passed to us and its other member, Intel, through product purchase agreements and because IMFT is dependent upon us or Intel for additional cash requirements. The primary activities of IMFT are driven by the constant introduction of product and process technology. Because we perform a significant majority of the technology development, we have the power to direct its key activities. In addition, IMFT manufactures certain products exclusively for us using our technology. We consolidate IMFT because we have the power to direct the activities of IMFT that most significantly impact its economic performance and because we have the obligation to absorb losses and the right to receive benefits from IMFT that could potentially be significant to it. (See "Equity – Noncontrolling Interests in Subsidiaries – IMFT" note.)

#### Recently Adopted Accounting Standards

In March 2016, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2016-09 – Improvements to Employee Share-Based Payment Accounting, which simplified several aspects of the accounting for share-based payment transactions, including income tax consequences, classification of awards as either equity or liabilities, forfeitures, and classification within the statement of cash flows. We adopted this ASU as of the beginning of our first quarter of 2017 and elected to account for forfeitures when they occur, on a modified retrospective basis. As a result of the adoption of this ASU, we recognized deferred tax assets of \$325 million for the excess tax benefits that arose directly from tax deductions related to equity compensation greater than amounts recognized for financial reporting and also recognized an increase of an equal amount in the valuation allowance against those deferred tax assets. The adoption did not have any other material impacts on our financial statements.

In April 2015, the FASB issued ASU 2015-05 – Customer's Accounting for Fees Paid in a Cloud Computing Arrangement, which provided additional guidance to customers about whether a cloud computing arrangement included a software license. Under ASU 2015-05, cloud computing arrangements that contain a software license should be accounted for in a manner consistent with the acquisition of other software licenses, otherwise customers should account for the arrangement as a service contract. ASU 2015-05 also removed the requirement to analogize to ASC 840-10 – Leases, to determine the asset acquired in a software licensing arrangement. We adopted this ASU as of the beginning of our first quarter of 2017 on a prospective basis. The adoption of this ASU did not have a material impact on our financial statements.

In February 2015, the FASB issued ASU 2015-02 – Amendments to the Consolidation Analysis, which amended the consolidation requirements in Accounting Standards Codification 810 – Consolidation. ASU 2015-02 made targeted amendments to the consolidation guidance for VIEs. We adopted this ASU as of the beginning of our first quarter of 2017 under a modified-retrospective approach. The adoption of this ASU did not have an impact on our financial statements.

#### Recently Issued Accounting Standards

In November 2016, the FASB issued ASU 2016-18 – Restricted Cash, which requires amounts generally described as restricted cash and restricted cash equivalents be included with cash and cash equivalents when reconciling the total beginning and ending amounts for the periods shown on the statement of cash flows. This ASU will be effective for us beginning in our first quarter of 2019 with early adoption permitted and requires retrospective adoption. We are evaluating the timing and effects of our adoption of this ASU on our financial statements.

In October 2016, the FASB issued ASU 2016-16 – Intra-Entity Transfers Other Than Inventory, which requires an entity to recognize the income tax consequences of an intra-entity transfer of an asset other than inventory when the transfer occurs. This ASU will be effective for us beginning in our first quarter of 2019 with early adoption permitted and requires modified retrospective adoption. We are evaluating the timing and effects of our adoption of this ASU on our financial statements.

In June 2016, the FASB issued ASU 2016-13 – Measurement of Credit Losses on Financial Instruments, which requires a financial asset (or a group of financial assets) measured on the basis of amortized cost to be presented at the net amount expected to be collected. This ASU requires that the income statement reflect the measurement of credit losses for newly recognized financial assets as well as the expected increases or decreases of expected credit losses that have taken place during the period. This ASU requires that credit losses of debt securities designated as available-for-sale be recorded through an allowance for credit losses and limits the credit loss to the amount by which fair value is below amortized cost. We are required to adopt this ASU beginning in our first quarter of 2021; however, we are permitted to adopt this ASU as early as our first quarter of 2020. This ASU is required to be adopted using a modified retrospective approach, with prospective adoption for debt securities for which an other-than-temporary impairment had been recognized before the effective date. We are evaluating the timing and effects of our adoption of this ASU on our financial statements.

In February 2016, the FASB issued ASU 2016-02 – Leases, which amends a number of aspects of lease accounting, including requiring lessees to recognize operating leases with a term greater than one year on their balance sheet as a right-of-use asset and corresponding liability, measured at the present value of the lease payments. This ASU will be effective for us beginning in our first quarter of 2020 with early adoption permitted and is required to be adopted using a modified retrospective approach. We are evaluating the timing and effects of our adoption of this ASU on our financial statements.

In January 2016, the FASB issued ASU 2016-01 – Recognition and Measurement of Financial Assets and Financial Liabilities, which provides guidance for the recognition, measurement, presentation, and disclosure of financial assets and liabilities. This ASU will be effective for us beginning in our first quarter of 2019 and requires modified retrospective adoption. We are evaluating the effects of our adoption of this ASU on our financial statements.

In May 2014, the FASB issued ASU 2014-09 – Revenue from Contracts with Customers, which supersedes nearly all existing revenue recognition guidance under generally accepted accounting principles in the U.S. The core principal of this ASU, as amended, is that an entity should recognize revenue when it transfers promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. This ASU also requires additional disclosure about the nature, amount, timing, and uncertainty of revenue and cash flows arising from customer contracts, including significant judgments and changes in judgments and assets recognized from costs incurred to obtain or fulfill a contract. We are required to adopt this ASU beginning in our first quarter of 2019; however, we are permitted to adopt this ASU as early as our first quarter of 2018. This ASU allows for either full retrospective or modified retrospective adoption. We expect that, as a result of the adoption of this ASU, the timing of recognizing revenue from sales of products to our distributors will be generally earlier than under the existing revenue recognition guidance. We are evaluating the timing, method, and effects of our adoption of this ASU on our financial statements.

#### Acquisition of Inotera

On December 6, 2016, subsequent to the end of our first quarter of 2017, we acquired the 67% interest in Inotera not owned by us for an aggregate of \$4.1 billion in cash (the "Inotera Acquisition"), funded with proceeds from the 2021 Term Loan (defined below), the sale of shares of our common stock to Nanya, and cash on hand. Prior to December 6, 2016, we held a 33% ownership interest in Inotera, Nanya and certain of its affiliates held a 32% ownership interest, and the remaining ownership interest was publicly held.

Inotera manufactures DRAM products at its 300mm wafer fabrication facility in Taoyuan City, Taiwan, and sold such products exclusively to us through supply agreements. As a result of the Inotera Acquisition, we expect to experience



greater operational flexibility to drive new technology in products manufactured by Inotera, optimize the deployment of the cash flows of Inotera across our operations, and enhance our ability to adapt our product offerings to changes in market conditions.

We are evaluating the fair values of the accounting consideration transferred, assets acquired, and liabilities assumed. Our accounting for the Inotera Acquisition will include the fair value of our previously-held noncontrolling equity interest in Inotera as of the acquisition date as consideration, which differs from the per share amount paid to acquire the controlling interest in Inotera. We will recognize a gain or loss to the extent of the difference between the fair value and the carrying value as of the acquisition date. We expect to complete the provisional purchase price allocation for the Inotera Acquisition in our second quarter of 2017.

### Acquisition Financing

2021 Term Loan: On December 6, 2016, we drew 80 billion New Taiwan dollars (equivalent to \$2.5 billion) under a collateralized, five-year term loan that bears interest at a variable rate equal to the three-month or six-month TAIBOR, at our option, plus a margin of 2.05% per annum (the "2021 Term Loan"). Principal under the 2021 Term Loan is payable in six equal semi-annual installments, commencing in June 2019, through December 2021. The 2021 Term Loan is collateralized by certain assets including a real estate mortgage on Inotera's main production facility and site, a chattel mortgage over certain equipment of Inotera, all of the stock of our MSTW subsidiary, and the 82% of stock of Inotera owned by MSTW.

The 2021 Term Loan contains affirmative and negative covenants, including covenants that limit or restrict our ability to create liens in or dispose of collateral securing obligations under the 2021 Term Loan, mergers involving MSTW and/or Inotera, loans or guarantees to third parties by Inotera and/or MSTW, and MSTW's distribution of cash dividends (subject to satisfaction of certain financial conditions). The 2021 Term Loan also contains financial covenants as follows, which are tested semi-annually:

MSTW must maintain a consolidated ratio of total debt to adjusted EBITDA not higher than 5.5x in 2017 and 2018, and not higher than 4.5x in 2019 through 2021;

MSTW must maintain adjusted consolidated tangible net worth of not less than 4.0 billion New Taiwan dollars (equivalent to \$125 million) in 2017 and 2018, not less than 6.5 billion New Taiwan dollars (equivalent to \$203 million) in 2019 and 2020, and not less than 12.0 billion New Taiwan dollars (equivalent to \$374 million) in 2021; on a consolidated basis, we must maintain a ratio of total debt to adjusted EBITDA not higher than 3.5x in 2017, not higher than 3.0x in 2018 and 2019, and not higher than 2.5x in 2020 and 2021; and

on a consolidated basis, we must maintain adjusted tangible net worth not less than \$9.0 billion in 2017, not less than \$12.5 billion in 2018 and 2019, and not less than \$16.5 billion in 2020 and 2021.

If one or more of the required financial ratios is not maintained at the time the ratios are tested, the interest rate will be increased by 0.25% until such time as the required financial ratios are maintained. In addition, if MSTW fails to maintain a required financial ratio for two consecutive semi-annual periods, such failure will constitute an event of default that could result in all obligations owed under the 2021 Term Loan being accelerated to be immediately due and payable. Our failure to maintain a required consolidated financial ratio will only result in an increase to the interest rate and will not constitute an event of default. The 2021 Term Loan also contains customary events of default and is guaranteed by Micron.

Micron Shares: In connection with the Inotera Acquisition, subsequent to the end of our first quarter of 2017, we sold 58 million shares of our common stock to Nanya for \$981 million (the "Micron Shares"), of which 54 million were issued from treasury stock. The sale of the Micron Shares was exempt from the registration requirements of the Securities Act of 1933, as amended, and the Micron Shares are subject to certain restrictions on transfers. Our accounting for the Inotera Acquisition will include the fair value of the Micron Shares as of the acquisition date as consideration.

### Technology Transfer and License Agreements with Nanya

Beginning effective December 6, 2016, under the terms of technology transfer and license agreements, Nanya has options to require us to transfer to Nanya for Nanya's use certain technology and deliverables related to the next DRAM process node generation after our 20nm process node (the "1X Process Node") and the next DRAM process node generation after the 1X Process Node. Under the terms of the agreements, Nanya would pay royalties to us for a license to the transferred technologies based on revenues from products utilizing the technologies, subject to specified caps, and we would also receive an equity interest in Nanya upon the achievement of certain milestones.



## Cash and Investments

Cash and equivalents and the fair values of our available-for-sale investments, which approximated amortized costs, were as follows:

As of	December 1, 2016			September 1, 2016				
	Cash and Equivalents	Short-term Investments	Long-term Marketable Investments <sup>(1)</sup>	Total Fair Value	Cash and Equivalents	Short-term Investments	Long-term Marketable Investments <sup>(1)</sup>	Total Fair Value
Cash Level 1 <sup>(2)</sup>	\$3,923	\$ —	\$ —	\$3,923	\$2,258	\$ —	\$ —	\$2,258
Money market funds Level 2 <sup>(3)</sup>	82	—	—	82	1,507	—	—	1,507
Certificates of deposit	134	3	—	137	373	33	—	406
Corporate bonds	—	14	71	85	—	142	235	377
Government securities	—	13	63	76	2	62	82	146
Asset-backed securities	—	—	21	21	—	12	97	109
Commercial paper	—	—	—	—	—	9	—	9
	\$4,139	\$ 30	\$ 155	\$4,324	\$4,140	\$ 258	\$ 414	\$4,812

(1) The maturities of long-term marketable securities range from one to four years.

(2) The fair value of Level 1 securities is measured based on quoted prices in active markets for identical assets.

The fair value of Level 2 securities is measured using information obtained from pricing services, which obtain quoted market prices for similar instruments, non-binding market consensus prices that are corroborated by

(3) observable market data, or various other methodologies, to determine the appropriate value at the measurement date. We perform supplemental analysis to validate information obtained from these pricing services. No adjustments were made to such pricing information as of December 1, 2016.

Proceeds from sales of available-for-sale securities for the first quarters of 2017 and 2016 were \$512 million and \$407 million, respectively. Gross realized gains and losses from sales of available-for-sale securities were not material for any period presented. As of December 1, 2016, there were no available-for-sale securities that had been in a loss position for longer than 12 months. As of December 1, 2016 and September 1, 2016, we also had certificates of deposit classified as restricted cash (included in other noncurrent assets) of \$2 million and \$59 million, respectively, valued using Level 2 fair value measurements.

## Receivables

As of	December 1, 2016	September 1, 2016
Trade receivables	\$ 2,162	\$ 1,765
Income and other taxes	135	119
Other	156	184
	\$ 2,453	\$ 2,068

As of December 1, 2016 and September 1, 2016, other receivables included \$58 million and \$53 million, respectively, due from Intel for amounts related to product design and process development activities under cost-sharing agreements for NAND Flash and 3D XPoint™ memory.



## Inventories

As of	December 1, 2016	September 1, 2016
Finished goods	\$ 787	\$ 899
Work in process	1,722	1,761
Raw materials and supplies	241	229
	\$ 2,750	\$ 2,889

## Property, Plant, and Equipment

As of	September 1, 2016	Additions	Retirements and Other	December 1, 2016
Land	\$ 145	\$ 3	\$ (3 )	\$ 145
Buildings	6,653	183	(8 )	6,828
Equipment <sup>(1)</sup>	25,910	1,282	(96 )	27,096
Construction in progress <sup>(2)</sup>	475	(90 )	3	388
Software	422	6	—	428
	33,605	1,384	(104 )	34,885
Accumulated depreciation	(18,919 )	(744 )	99	(19,564 )
	\$ 14,686	\$ 640	\$ (5 )	\$ 15,321

(1) Included costs related to equipment not placed into service of \$1.11 billion and \$1.47 billion as of December 1, 2016 and September 1, 2016, respectively.

(2) Included building-related construction and tool installation costs for assets not placed into service.

Depreciation expense was \$744 million and \$706 million for the first quarters of 2017 and 2016, respectively.

## Equity Method Investments

As of	December 1, 2016		September 1, 2016	
	Investment Balance	Ownership Percentage	Investment Balance	Ownership Percentage
Inotera	\$1,360	33 %	\$1,314	33 %
Tera Probe	25	40 %	36	40 %
Other	16	Various	14	Various
	\$1,401		\$1,364	

Equity in net income (loss) of equity method investees, net of tax, included the following:

Quarter ended	December 1, 2016	December 3, 2015
Inotera	\$ 9	\$ 52
Tera Probe	(12 )	3
Other	1	4
	\$ (2 )	\$ 59



## Inotera

We partnered with Nanya in Inotera, a Taiwan DRAM memory company, through December 6, 2016, at which time we acquired the remaining 67% interest in Inotera. As a result, we will consolidate Inotera's operating results beginning December 6, 2016. (See "Acquisition of Inotera" note.)

As of December 1, 2016, the market value of our equity interest in Inotera was \$2.00 billion based on the closing trading price of 29.80 New Taiwan dollars per share in an active market. As of December 1, 2016 and September 1, 2016, there were losses of \$9 million and \$44 million, respectively, in accumulated other comprehensive (loss) for cumulative translation adjustments from our equity investment in Inotera.

From January 2013 through December 2015, we purchased all of Inotera's DRAM output under supply agreements at prices reflecting discounts from market prices for our comparable components. After December 2015, the price for DRAM products purchased by us was based on a formula that equally shared margin between Inotera and us. We purchased \$504 million and \$379 million of DRAM products from Inotera in the first quarters of 2017 and 2016, respectively.

## Tera Probe

We have a 40% interest in Tera Probe, which provides semiconductor wafer testing and probe services to us and others. In the first quarter of 2017, we recorded an impairment charge of \$16 million within equity in net income (loss) of equity method investees to write down the carrying value of our investment in Tera Probe to its fair value based on its trading price (Level 1 fair value measurement). As of December 1, 2016, our proportionate share of Tera Probe's underlying equity exceeded our investment balance by \$52 million, which is expected to be accreted to earnings over a weighted-average period of seven years. We incurred manufacturing costs for services performed by Tera Probe for us of \$16 million and \$21 million in the first quarters of 2017 and 2016, respectively.

## Intangible Assets and Goodwill

As of	December 1, 2016		September 1, 2016	
	Gross Accumulated		Gross Accumulated	
	Amount	Amortization	Amount	Amortization
Amortizing assets				
Product and process technology	\$757	\$ (421)	\$757	\$ (402)
Other	1	—	1	—
	758	(421)	758	(402)
Non-amortizing assets				
In-process R&D	108	—	108	—
Intangible assets	\$866	\$ (421)	\$866	\$ (402)
Goodwill <sup>(1)</sup>	\$104		\$104	

<sup>(1)</sup> Included in other noncurrent assets.

During the first quarters of 2017 and 2016, we capitalized \$8 million and \$9 million, respectively, for product and process technology with weighted-average useful lives of nine years. Amortization expense was \$27 million and \$31 million for the first quarters of 2017 and 2016, respectively. The expected amortization expense is \$82 million for the remainder of 2017, \$94 million for 2018, \$46 million for 2019, \$30 million for 2020, and \$26 million for 2021.





## Accounts Payable and Accrued Expenses

As of	December 1, September 1,	
	2016	2016
Accounts payable	\$ 1,304	\$ 1,186
Property, plant, and equipment payables	1,583	1,649
Salaries, wages, and benefits	351	289
Related party payables	340	273
Customer advances	156	132
Income and other taxes	60	41
Other	361	309
	\$ 4,155	\$ 3,879

As of December 1, 2016 and September 1, 2016, related party payables included \$329 million and \$266 million, respectively, due to Inotera primarily for the purchase of DRAM products. As of December 1, 2016 and September 1, 2016, related party payables also included \$11 million and \$7 million, respectively, due to Tera Probe for probe services.

As of December 1, 2016 and September 1, 2016, customer advances included \$130 million and \$108 million, respectively, and other noncurrent liabilities also included \$85 million and \$107 million, respectively, for amounts received from Intel in 2016 under a Trade Non-Volatile Memory supply agreement.

## Debt

Instrument	Stated Rate <sup>(1)</sup>	Effective Rate <sup>(1)</sup>	December 1, 2016			September 1, 2016		
			Current	Long-Term	Total	Current	Long-Term	Total
MMJ creditor installment payments	N/A	6.52 %	\$ 156	\$ 588	\$ 744	\$ 189	\$ 680	\$ 869
Capital lease obligations <sup>(2)</sup>	N/A	N/A	338	925	1,263	380	1,026	1,406
1.258% notes	1.258 %	1.97 %	87	132	219	87	131	218
2022 senior notes	5.875 %	6.14 %	—	591	591	—	590	590
2022 senior secured term loan B	4.360 %	4.77 %	5	729	734	5	730	735
2023 senior notes	5.250 %	5.43 %	—	990	990	—	990	990
2023 senior secured notes	7.500 %	7.69 %	—	1,237	1,237	—	1,237	1,237
2024 senior notes	5.250 %	5.38 %	—	546	546	—	546	546
2025 senior notes	5.500 %	5.56 %	—	1,139	1,139	—	1,139	1,139
2026 senior notes	5.625 %	5.73 %	—	446	446	—	446	446
2032C convertible senior notes <sup>(3)</sup>	2.375 %	5.95 %	—	206	206	—	204	204
2032D convertible senior notes <sup>(3)</sup>	3.125 %	6.33 %	—	155	155	—	154	154
2033E convertible senior notes <sup>(3)</sup>	1.625 %	4.50 %	170	—	170	—	168	168
2033F convertible senior notes <sup>(3)</sup>	2.125 %	4.93 %	273	—	273	—	271	271
2043G convertible senior notes	3.000 %	6.76 %	—	661	661	—	657	657
Other notes payable	2.513 %	2.65 %	126	145	271	95	185	280
			\$ 1,155	\$ 8,490	\$ 9,645	\$ 756	\$ 9,154	\$ 9,910

(1) As of December 1, 2016.

(2) Weighted-average imputed rate of 3.4% and 3.3% as of December 1, 2016 and September 1, 2016, respectively.

(3) Since the closing price of our common stock exceeded 130% of the conversion price per share for at least 20 trading days in the 30 trading day period ended on September 30, 2016, these notes were convertible by the holders

during the calendar quarter ended December 31, 2016. The closing price of our common stock also exceeded the thresholds for the calendar quarter ended December 31, 2016; therefore, these notes are convertible by the holders through March 31, 2017. The 2033 Notes were classified as current as of December 1, 2016 because the terms of these notes require us

to pay cash for the principal amount of any converted notes and holders of these notes had the right to convert their notes as of that date.

#### Capital Lease Obligations

In the first quarter of 2016, we recorded capital lease obligations aggregating \$51 million at a weighted-average effective interest rate of 6.5% and a weighted-average expected term of 12 years.

#### Convertible Senior Notes

As of December 1, 2016, the trading price of our common stock was higher than the initial conversion prices of our 2032 Notes and our 2033 Notes. As a result, the conversion values for these notes exceeded the principal amounts by \$683 million as of December 1, 2016.

#### 2022 Senior Secured Term Loan B Repricing Amendment

On October 27, 2016, we amended our 2022 Term Loan B, substantially all of which was treated as a debt modification, to reduce the margins added to the base rate from 5.00% to 2.75% and to the adjusted LIBOR rate from 6.00% to 3.75%.

#### Other Facilities

On November 18, 2016, we entered into a five-year variable-rate facility agreement to obtain up to \$800 million of financing, collateralized by certain production equipment, which may be utilized in multiple draws until June 10, 2017. Interest is payable quarterly at a rate equal to three-month LIBOR plus 2.4% per annum. Principal is payable in 16 equal quarterly installments beginning in March 2018. The facility agreement contains covenants which are customary for financings of this type, including negative covenants that limit or restrict our ability to create liens or dispose of the equipment securing the facility agreement. The facility also contains a covenant that the ratio of the outstanding loan to the fair value of the equipment collateralizing the loan not exceed 0.8. If such ratio is exceeded, we are required to grant a security interest in additional equipment and/or prepay the loan in an amount sufficient to reduce such ratio to 0.8 or less. The facility agreement also contains customary events of default which could result in the acceleration of all amounts to be immediately due and payable and cancellation of all commitments under the facility agreement. On December 2, 2016, subsequent to the end of our first quarter of 2017, we drew \$450 million under this facility.

#### Contingencies

We have accrued a liability and charged operations for the estimated costs of adjudication or settlement of various asserted and unasserted claims existing as of the balance sheet date, including those described below. We are currently a party to other legal actions arising from the normal course of business, none of which is expected to have a material adverse effect on our business, results of operations, or financial condition.

#### Patent Matters

As is typical in the semiconductor and other high-tech industries, from time to time others have asserted, and may in the future assert, that our products or manufacturing processes infringe their intellectual property rights.

On November 21, 2014, Elm 3DS Innovations, LLC ("Elm") filed a patent infringement action against Micron, MSP, and Micron Consumer Products Group, Inc. in the U.S. District Court for the District of Delaware. On March 27, 2015, Elm filed an amended complaint against the same entities. The amended complaint alleges that unspecified semiconductor products of ours that incorporate multiple stacked die infringe thirteen U.S. patents and seeks damages, attorneys' fees, and costs.

On December 15, 2014, Innovative Memory Solutions, Inc. filed a patent infringement action against Micron in the U.S. District Court for the District of Delaware. The complaint alleges that a variety of our NAND Flash products infringe eight U.S. patents and seeks damages, attorneys' fees, and costs.

On June 24, 2016, the President and Fellows of Harvard University filed a patent infringement action against Micron in the U.S. District Court for the District of Massachusetts. The complaint alleges that a variety of our DRAM products infringe two U.S. patents and seeks damages, injunctive relief, and other unspecified relief.

Among other things, the above lawsuits pertain to certain of our DDR DRAM, DDR2 DRAM, DDR3 DRAM, DDR4 DRAM, SDR SDRAM, PSRAM, RLDRAM, LPDRAM, NAND Flash, and certain other memory products we manufacture, which account for a significant portion of our net sales.

We are unable to predict the outcome of assertions of infringement made against us and therefore cannot estimate the range of possible loss. A determination that our products or manufacturing processes infringe the intellectual property rights of others or entering into a license agreement covering such intellectual property could result in significant liability and/or require us to make material changes to our products and/or manufacturing processes. Any of the foregoing could have a material adverse effect on our business, results of operations, or financial condition.

#### Qimonda

On January 20, 2011, Dr. Michael Jaffé, administrator for Qimonda insolvency proceedings, filed suit against Micron and Micron Semiconductor B.V., our Netherlands subsidiary ("Micron B.V."), in the District Court of Munich, Civil Chamber. The complaint seeks to void under Section 133 of the German Insolvency Act a share purchase agreement between Micron B.V. and Qimonda signed in fall 2008 pursuant to which Micron B.V. purchased substantially all of Qimonda's shares of Inotera Memories, Inc. (the "Inotera Shares"), representing approximately 18% of Inotera's outstanding shares as of December 1, 2016, and seeks an order requiring us to re-transfer those shares to the Qimonda estate. The complaint also seeks, among other things, to recover damages for the alleged value of the joint venture relationship with Inotera and to terminate under Sections 103 or 133 of the German Insolvency Code a patent cross-license between us and Qimonda entered into at the same time as the share purchase agreement.

Following a series of hearings with pleadings, arguments, and witnesses on behalf of the Qimonda estate, on March 13, 2014, the Court issued judgments: (1) ordering Micron B.V. to pay approximately \$1 million in respect of certain Inotera shares sold in connection with the original share purchase; (2) ordering Micron B.V. to disclose certain information with respect to any Inotera Shares sold by it to third parties; (3) ordering Micron B.V. to disclose the benefits derived by it from ownership of the Inotera Shares, including in particular, any profits distributed on such shares and all other benefits; (4) denying Qimonda's claims against Micron for any damages relating to the joint venture relationship with Inotera; and (5) determining that Qimonda's obligations under the patent cross-license agreement are canceled. In addition, the Court issued interlocutory judgments ordering, among other things: (1) that Micron B.V. transfer to the Qimonda estate the Inotera Shares still owned by it and pay to the Qimonda estate compensation in an amount to be specified for any Inotera Shares sold to third parties; and (2) that Micron B.V. pay the Qimonda estate as compensation an amount to be specified for benefits derived by it from ownership of the Inotera Shares. The interlocutory judgments have no immediate, enforceable effect on us, and, accordingly, we expect to be able to continue to operate with full control of the Inotera Shares subject to further developments in the case. We have filed a notice of appeal, and the parties have submitted briefs to the appeals court.

We are unable to predict the outcome of the matter and therefore cannot estimate the range of possible loss. The final resolution of this lawsuit could result in the loss of the Inotera Shares or monetary damages, unspecified damages based on the benefits derived by Micron B.V. from the ownership of the Inotera Shares, and/or the termination of the patent cross-license, which could have a material adverse effect on our business, results of operation, or financial condition.

#### Other

In the normal course of business, we are a party to a variety of agreements pursuant to which we may be obligated to indemnify the other party. It is not possible to predict the maximum potential amount of future payments under these types of agreements due to the conditional nature of our obligations and the unique facts and circumstances involved

in each particular agreement. Historically, our payments under these types of agreements have not had a material adverse effect on our business, results of operations, or financial condition.

#### Redeemable Convertible Notes

Under the terms of the indentures governing the 2033 Notes, upon conversion, we would be required to pay cash equal to the lesser of (1) the aggregate principal amount or (2) the conversion value of the notes being converted. To the extent the conversion value exceeds the principal amount, we could pay cash, shares of common stock, or a combination thereof, at our option, for the amount of such excess. The closing price of our common stock met the thresholds for conversion for the calendar quarter ended September 30, 2016; therefore, the 2033 Notes were convertible by the holders during the calendar

quarter ended December 31, 2016. As a result, the 2033 Notes were classified as current debt and the aggregate difference between the principal amount and the carrying value of \$31 million was classified as redeemable convertible notes in the accompanying consolidated balance sheet. The closing price of our common stock did not meet the thresholds for the calendar quarter ended June 30, 2016; therefore, the 2033 Notes were not convertible by the holders as of September 1, 2016. Therefore, as of September 1, 2016, the 2033 Notes had been classified as noncurrent debt and the aggregate difference between the principal amount and the carrying value had been classified as additional capital.

## Equity

### Micron Shareholders' Equity

**Treasury Stock:** As of December 1, 2016, we held 54 million shares of treasury stock. All 54 million shares of treasury stock were included as part of the sale of the Micron Shares to Nanya subsequent to the end of our first quarter of 2017.

**Outstanding Capped Calls:** Our capped calls are intended to reduce the effect of potential dilution from our convertible notes and provide for our receipt of cash or shares, at our election, from our counterparties if the trading price of our stock is above strike prices on the expiration dates. As of December 1, 2016, the dollar value of cash or shares that we would receive from our outstanding capped calls upon their expiration dates range from \$0, if the trading price of our stock was below strike prices for all capped calls, to \$719 million, if the trading price of our stock was at or above the cap prices for all capped calls.

**Expiration of Capped Calls:** A portion of our 2032C and 2032D Capped Calls expired in the first quarter of 2017. We elected share settlement and in the second quarter of 2017 received 4 million shares of our stock, equal to a value of \$67 million, based on the volume-weighted trading stock prices at the expiration dates. The shares received were recorded as treasury stock.

**Accumulated Other Comprehensive (Loss):** Changes in accumulated other comprehensive (loss) by component for the quarter ended December 1, 2016 were as follows:

	Cumulative Foreign Currency Translation Adjustments	Gains (Losses) on Derivative Instruments, Net	Gains (Losses) on Investments, Net	Pension Liability Adjustments	Total
As of September 1, 2016	\$ (49 )	\$ 2	\$ —	\$ 12	\$(35)
Other comprehensive income (loss)	37	(9 )	(1 )	(1 )	26
Tax effects	—	2	—	—	2
Other comprehensive income (loss)	37	(7 )	(1 )	(1 )	28
As of December 1, 2016	\$ (12 )	\$ (5 )	\$ (1 )	\$ 11	\$(7 )

### Noncontrolling Interests in Subsidiaries

As of	December 1, 2016	September 1, 2016
	Noncontrolling Interest Balance	Noncontrolling Interest Balance
	Percentage	Percentage



IMFT	\$832	49	%	\$832	49	%
Other	16	Various		16	Various	
	\$848			\$848		

IMFT: Since IMFT's inception in 2006, we have owned 51% of IMFT, a joint venture between us and Intel that manufactures NAND Flash and 3D XPoint memory products exclusively for the members. The members share the output of IMFT generally in proportion to their investment. IMFT is governed by a Board of Managers, for which the number of managers appointed by each member varies based on the members' respective ownership interests. The IMFT joint venture agreement extends through 2024 and includes certain buy-sell rights. Through December 2018, Intel can put to us, and from January 2019 through December 2021, we can call from Intel, Intel's interest in IMFT, in either case, for an amount equal to the

noncontrolling interest balance attributable to Intel at such time either member exercises its right. If Intel exercises its put right, we can elect to set the closing date of the transaction to be any time within two years following such election by Intel and can elect to receive financing of the purchase price from Intel for one to two years from the closing date. Creditors of IMFT have recourse only to IMFT's assets and do not have recourse to any other of our assets. In the first quarter of 2016, we and Intel contributed \$38 million and \$37 million, respectively, to IMFT.

IMFT manufactures memory products using designs and technology we develop with Intel. We generally share with Intel the costs of product design and process development activities for NAND Flash and 3D XPoint memory at IMFT and our other facilities. Our R&D expenses were reduced by reimbursements from Intel of \$56 million and \$46 million for the first quarters of 2017 and 2016, respectively.

Our sales include Non-Trade Non-Volatile Memory, which primarily consists of products sold to Intel through our IMFT joint venture at long-term negotiated prices approximating cost. Non-Trade Non-Volatile Memory sales to Intel were \$123 million and \$126 million for the first quarters of 2017 and 2016, respectively.

The following table presents the assets and liabilities of IMFT included in our consolidated balance sheets:

As of	December 1, 2016	September 1, 2016
<b>Assets</b>		
Cash and equivalents	\$ 77	\$ 98
Receivables	83	89
Inventories	91	68
Other current assets	4	6
Total current assets	255	261
Property, plant, and equipment, net	1,748	1,792
Other noncurrent assets	47	50
Total assets	\$ 2,050	\$ 2,103
<b>Liabilities</b>		
Accounts payable and accrued expenses	\$ 131	\$ 175
Deferred income	6	7
Current debt	53	16
Total current liabilities	190	198
Long-term debt	41	66
Other noncurrent liabilities	92	94
Total liabilities	\$ 323	\$ 358

Amounts exclude intercompany balances that were eliminated in our consolidated balance sheets.

#### Restrictions on Net Assets

As a result of the corporate reorganization proceedings the MMJ Companies initiated in March 2012, and for so long as such proceedings continue, the MMJ Group is subject to certain restrictions on dividends, loans, and advances. In addition, our ability to access IMFT's cash and other assets through dividends, loans, or advances, including to finance our other operations, is subject to agreement by Intel. As a result, our total restricted net assets (net assets less intercompany balances and noncontrolling interests) as of December 1, 2016 were \$3.13 billion for the MMJ Group and \$895 million for IMFT, which included cash and equivalents of \$684 million for the MMJ Group and \$77 million for IMFT.

As of December 1, 2016, our retained earnings included undistributed earnings from our equity method investees of \$290 million.

## Fair Value Measurements

All of our marketable debt and equity investments (excluding equity method investments) were classified as available-for-sale and carried at fair value. Amounts reported as cash and equivalents, receivables, and accounts payable and accrued expenses approximate fair value. The estimated fair value and carrying value of debt instruments (excluding the carrying value of the equity and mezzanine equity components of our convertible notes) were as follows:

As of	December 1, 2016		September 1, 2016	
	Fair Value	Carrying Value	Fair Value	Carrying Value
Notes and MMJ creditor installment payments	\$7,139	\$ 6,917	\$7,257	\$ 7,050
Convertible notes	2,548	1,465	2,408	1,454

The fair values of our convertible notes were determined based on inputs that were observable in the market or that could be derived from, or corroborated with, observable market data, including the trading price of our convertible notes when available, our stock price, and interest rates based on similar debt issued by parties with credit ratings similar to ours (Level 2). The fair values of our other debt instruments were estimated based on discounted cash flows using inputs that were observable in the market or that could be derived from, or corroborated with, observable market data, including the trading price of our notes, when available, and interest rates based on similar debt issued by parties with credit ratings similar to ours (Level 2).

## Derivative Instruments

We use derivative instruments to manage a portion of our exposure to changes in currency exchange rates from our monetary assets and liabilities denominated in currencies other than the U.S. dollar. We do not use derivative instruments for speculative purpose.

## Derivative Instruments without Hedge Accounting Designation

**Currency Derivatives:** To hedge our exposures of monetary assets and liabilities to changes in currency exchange rates, we generally utilize a rolling hedge strategy with currency forward contracts that mature within 35 days. In addition, to mitigate the risk of the yen strengthening against the U.S. dollar on MMJ creditor installment payments due in December 2017 and 2018, we entered into forward contracts to purchase 18 billion yen on December 1, 2017 and 28 billion yen on December 3, 2018. At the end of each reporting period, monetary assets and liabilities denominated in currencies other than the U.S. dollar are remeasured into U.S. dollars and the associated outstanding forward contracts are marked-to-market. Currency forward contracts are valued at fair values based on the middle of bid and ask prices of dealers or exchange quotations (Level 2).

In connection with the Inotera Acquisition, we borrowed 80 billion New Taiwan dollars. To hedge our currency exposure of this borrowing, in December 2016, subsequent to the end of our first quarter of 2017, we entered into a series of currency forward contracts to purchase an aggregate of 80 billion New Taiwan dollars under a rolling hedge strategy. The forward contracts expire at various dates through June 2017.



The following summarizes our derivative instruments without hedge accounting designation, which consisted of forward contracts to purchase the noted currencies as a hedge of our net position in monetary assets and liabilities:

	Notional Amount (in U.S. Dollars)	Fair Value	
		Current Liabilities <sup>(1)</sup>	Noncurrent Liabilities <sup>(2)</sup>
As of December 1, 2016			
Yen	\$ 1,396	\$ (18 )	\$ (4 )
Singapore dollar	204	(1 )	—
Euro	175	—	—
Other	48	(1 )	—
	\$ 1,823	\$ (20 )	\$ (4 )
As of September 1, 2016			
Yen	\$ 1,668	\$ (10 )	\$ —
Singapore dollar	206	—	—
Euro	93	—	—
Other	85	(1 )	—
	\$ 2,052	\$ (11 )	\$ —

(1) Included in accounts payable and accrued expenses – other.

(2) Included in other noncurrent liabilities.

Realized and unrealized gains and losses on derivative instruments without hedge accounting designation as well as the change in the underlying monetary assets and liabilities due to changes in currency exchange rates are included in other non-operating income (expense), net. Net losses for foreign exchange contracts without hedge accounting designation were \$178 million and \$21 million for the first quarters of 2017 and 2016, respectively.

#### Derivative Instruments with Cash Flow Hedge Accounting Designation

**Currency Derivatives:** We utilize currency forward contracts that generally mature within 12 months to hedge our exposure to changes in cash flows from changes in currency exchange rates for certain capital expenditures. Currency forward contracts are measured at fair value based on market-based observable inputs including currency exchange spot and forward rates, interest rates, and credit-risk spreads (Level 2).

For derivative instruments designated as cash flow hedges, the effective portion of the realized and unrealized gain or loss on the derivatives is included as a component of accumulated other comprehensive income (loss). Amounts in accumulated other comprehensive income (loss) are reclassified into earnings in the same line items and in the same periods in which the underlying transactions affect earnings. The ineffective or excluded portion of the realized and unrealized gain or loss is included in other non-operating income (expense). Total notional amounts and gross fair values for derivative instruments with cash flow hedge accounting designation were as follows:

	Notional Amount (in U.S. Dollars)	Fair Value	
		Current Assets <sup>(1)</sup>	Current Liabilities <sup>(2)</sup>
As of December 1, 2016			
Yen	\$ 62	\$ —	\$ (6 )
Euro	10	—	(1 )
	\$ 72	\$ —	\$ (7 )

As of September 1, 2016

Yen	\$ 107	\$2	\$ (1	)
Euro	65	—	(1	)
	\$ 172	\$2	\$ (2	)

(1) Included in receivables – other.

(2) Included in accounts payable and accrued expenses – other.

For the first quarters of 2017 and 2016, we recognized losses of \$9 million and \$4 million, respectively, in accumulated other comprehensive income (loss) from the effective portion of cash flow hedges. The ineffective and excluded portions of cash flow hedges recognized in other non-operating income (expense) were not material in the first quarters of 2017 and 2016. For the first quarter of 2016, we reclassified gains of \$1 million from accumulated other comprehensive income (loss) to earnings. As of December 1, 2016, \$2 million of net gains from cash flow hedges included in accumulated other comprehensive income (loss) is expected to be reclassified into earnings in the next 12 months.

### Equity Plans

As of December 1, 2016, 84 million shares were available for future awards under our equity plans.

### Stock Options

Quarter ended	December 1, December 3,	
	2016	2015
Stock options granted	2	2
Weighted-average grant-date fair value per share	\$ 7.66	\$ 7.99
Average expected life in years	5.7	5.6
Weighted-average expected volatility	46 %	46 %
Weighted-average risk-free interest rate	1.4 %	1.5 %
Expected dividend yield	0 %	0 %

### Restricted Stock and Restricted Stock Units ("Restricted Stock Awards")

Quarter ended	December 1, December 3,	
	2016	2015
Restricted stock award shares granted	3	3
Weighted-average grant-date fair value per share	\$ 18.22	\$ 18.52

### Stock-based Compensation Expense

Quarter ended	December 1, December 3,	
	2016	2015
Stock-based compensation expense by caption		
Cost of goods sold	\$ 19	\$ 18
Selling, general, and administrative	15	17
Research and development	12	11
	\$ 46	\$ 46
Stock-based compensation expense by type of award		
Stock options	\$ 17	\$ 20
Restricted stock awards	29	26
	\$ 46	\$ 46

As of December 1, 2016, \$369 million of total unrecognized compensation costs for unvested awards was expected to be recognized through the first quarter of 2021, resulting in a weighted-average period of 1.2 years. Stock-based compensation expense in the above presentation does not reflect any significant income tax benefits, which is



consistent with our treatment of income or loss from our U.S. operations.

## Restructure and Asset Impairments

Quarter ended	December 1, December 3,	
	2016	2015
2016 Restructuring Plan	\$ 29	\$ —
Other	—	15
	\$ 29	\$ 15

In the fourth quarter of 2016, we initiated a restructure plan in response to business conditions and the need to accelerate focus on our key priorities (the "2016 Restructuring Plan"). The 2016 Restructuring Plan includes the elimination of certain projects and programs, the permanent closure of a number of open headcount requisitions, workforce reductions in certain areas of the business, and other non-headcount related spending reductions. In connection with the plan, we incurred charges of \$29 million in the first quarter of 2017 and \$58 million in the fourth quarter of 2016 and do not expect to incur additional material charges. As of December 1, 2016 and September 1, 2016, we had accrued liabilities of \$17 million and \$24 million, respectively, related to the 2016 Restructuring Plan. For the first quarter of 2017, the restructure and asset impairment charges related primarily to our CNBU and MBU operating segments.

## Other Non-Operating Income (Expense), Net

Quarter ended	December December	
	1, 2016	3, 2015
Loss from changes in currency exchange rates	\$ (12 )	\$ (3 )
Other	(2 )	(1 )
	\$ (14 )	\$ (4 )

Losses from changes in currency exchange rates for the first quarter of 2017 included net losses for foreign exchange contracts without hedge accounting designation of \$178 million offset by revaluations of our monetary assets and liabilities.

## Income Taxes

Our income tax (provision) benefit included the following:

Quarter ended	December December	
	1, 2016	3, 2015
Utilization of and other changes in net deferred tax assets of MMJ and MMT	\$ (13 )	\$ (22 )
U.S. valuation allowance release resulting from business acquisition	—	41
Other, primarily non-U.S. operations	(18 )	(15 )
	\$ (31 )	\$ 4

We have a full valuation allowance for our net deferred tax asset associated with our U.S. operations. The amount of the deferred tax asset considered realizable could be adjusted if significant positive evidence increases. Income taxes on U.S. operations in the first quarters of 2017 and 2016 were substantially offset by changes in the valuation allowance.

We operate in tax jurisdictions, including Singapore and Taiwan, where our earnings are indefinitely reinvested and are taxed at lower effective tax rates than the U.S. statutory rate and in a number of locations outside the U.S., including Singapore, where we have tax incentive arrangements that are conditional, in part, upon meeting certain business operations and employment thresholds. The effect of tax incentive arrangements, which expire in whole or in part at various dates through 2030, reduced our tax provision for the first quarters of 2017 and 2016 by \$40 million (benefitting our diluted earnings per share by \$0.04) and \$12 million (\$0.01 per diluted share), respectively.

## Earnings Per Share

Quarter ended	December 1, December 3,	
	2016	2015
Net income available to Micron shareholders – Basic and Diluted	\$ 180	\$ 206
Weighted-average common shares outstanding – Basic	1,040	1,035
Dilutive effect of equity plans and convertible notes	51	50
Weighted-average common shares outstanding – Diluted	1,091	1,085
Earnings per share		
Basic	\$ 0.17	\$ 0.20
Diluted	0.16	0.19

Antidilutive potential common shares that could dilute basic earnings per share in the future were 64 million and 66 million for the first quarters of 2017 and 2016, respectively.

## Segment Information

Segment information reported herein is consistent with how it is reviewed and evaluated by our chief operating decision maker. We have the following four business units, which are our reportable segments:

Compute and Networking Business Unit ("CNBU"): Includes memory products sold into compute, networking, graphics, and cloud server markets.

Mobile Business Unit ("MBU"): Includes memory products sold into smartphone, tablet, and other mobile-device markets.

Storage Business Unit ("SBU"): Includes memory products sold into enterprise, client, cloud, and removable storage markets. SBU also includes products sold to Intel through our IMFT joint venture.

Embedded Business Unit ("EBU"): Includes memory products sold into automotive, industrial, connected home, and consumer electronics markets.

Certain operating expenses directly associated with the activities of a specific segment are charged to that segment. Other indirect operating expenses (income) are generally allocated to segments based on their respective percentage of cost of goods sold or forecasted wafer production. In the first quarter of 2017, we revised the measure of segment profitability reviewed by our chief operating decision maker and, as a result, certain items are no longer allocated to our business units. Items not allocated are identified in the table below. Comparative periods have been revised to reflect these changes.

We do not identify or report internally our assets or capital expenditures by segment, nor do we allocate gains and losses from equity method investments, interest, other non-operating income or expense items, or taxes to segments.

Quarter ended	December 1, 2016	December 3, 2015	
Net sales			
CNBU	\$ 1,470	\$ 1,139	
MBU	1,032	834	
SBU	860	884	
EBU	578	479	
All Other	30	14	
	\$ 3,970	\$ 3,350	
Operating income			
CNBU	\$ 204	\$ 40	
MBU	89	148	
SBU	(45	) (14	)
EBU	178	121	
All Other	12	3	
	438	298	
Unallocated			
Stock-based compensation	(46	) (46	)
Restructure and asset impairments	(29	) (15	)
Other	(4	) (5	)
	(79	) (66	)
Operating income	\$ 359	\$ 232	

#### Certain Concentrations

Customer concentrations included net sales to Apple of 11% and Intel of 11% for the first quarter of 2017.

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

The following discussion contains trend information and other forward-looking statements that involve a number of risks and uncertainties. Forward-looking statements include, but are not limited to, statements such as those made regarding benefits from the Inotera Acquisition; changes in future depreciation expense; our pursuit of additional financing and debt restructuring; the sufficiency of our cash and investments, cash flows from operations, and available financing to meet our requirements for at least the next 12 months; capital spending in 2017; and the timing of payments for certain contractual obligations. We are under no obligation to update these forward-looking statements. Our actual results could differ materially from our historical results and those discussed in the forward-looking statements. Factors that could cause actual results to differ materially include, but are not limited to, those identified in "Part II Other Information – Item 1A. Risk Factors." This discussion should be read in conjunction with the consolidated financial statements and accompanying notes for the year ended September 1, 2016. All period references are to our fiscal periods unless otherwise indicated. Our fiscal year is the 52 or 53-week period ending on the Thursday closest to August 31. Our fiscal 2017 and 2016 each contain 52 weeks. All production data includes the production of IMFT and Inotera. All tabular dollar amounts are in millions except per share amounts.

Our Management's Discussion and Analysis is provided in addition to the accompanying consolidated financial statements and notes to assist readers in understanding our results of operations, financial condition, and cash flows. This discussion is organized as follows:

**Overview:** Overview of our operations, business, and highlights of key events.

**Results of Operations:** An analysis of our financial results consisting of the following:

Consolidated results;

Operating results by business segment;

Operating results by product; and

Operating expenses and other.

**Liquidity and Capital Resources:** An analysis of changes in our balance sheet and cash flows and discussion of our financial condition and liquidity.

**Recently Adopted and Issued Accounting Standards**

### Overview

We are a global leader in advanced semiconductor systems. Our broad portfolio of high-performance memory technologies, including DRAM, NAND Flash, and NOR Flash, is the basis for solid-state drives, modules, multi-chip packages, and other system solutions. Our memory solutions enable the world's most innovative computing, consumer, enterprise storage, networking, mobile, embedded, and automotive applications. We market our products through our internal sales force, independent sales representatives, and distributors primarily to original equipment manufacturers and retailers located around the world. We face intense competition in the semiconductor memory market and in order to remain competitive we must continuously develop and implement new technologies and decrease manufacturing costs. Our success is largely dependent on market acceptance of our diversified portfolio of semiconductor products, efficient utilization of our manufacturing infrastructure, successful ongoing development of advanced product and process technologies, and generating a return on R&D investments.

### Acquisition of Inotera

On December 6, 2016, subsequent to the end of our first quarter of 2017, we acquired the 67% interest in Inotera not owned by us for an aggregate of \$4.1 billion in cash (the "Inotera Acquisition"), funded with 80 billion New Taiwan dollars (equivalent to \$2.5 billion) of proceeds from the 2021 Term Loan, the sale of shares of our common stock to Nanya, and cash on hand. Prior to December 6, 2016, we held a 33% ownership interest in Inotera, Nanya and certain of its affiliates held a 32% ownership interest, and the remaining ownership interest was publicly held.

Inotera manufactures DRAM products at its 300mm wafer fabrication facility in Taoyuan City, Taiwan, and sold such products exclusively to us through supply agreements. As a result of the Inotera Acquisition, we expect to experience greater operational flexibility to drive new technology in products manufactured by Inotera, optimize the deployment of the cash flows of Inotera across our operations, and enhance our ability to adapt our product offerings to changes in market conditions.

We are evaluating the fair values of the accounting consideration transferred, assets acquired, and liabilities assumed. Our accounting for the Inotera Acquisition will include the fair value of our previously-held noncontrolling equity interest in Inotera as of the acquisition date as consideration, which differs from the per share amount paid to acquire the controlling interest in Inotera. We will recognize a gain or loss to the extent of the difference between the fair value and the carrying value as of the acquisition date. We expect to complete the provisional purchase price allocation for the Inotera Acquisition in our second quarter of 2017.

## Results of Operations

### Consolidated Results

	First Quarter			Fourth Quarter		
	2017	% of Net Sales	2016	% of Net Sales	2016	% of Net Sales
Net sales	\$3,970	100 %	\$3,350	100 %	\$3,217	100 %
Cost of goods sold	2,959	75 %	2,501	75 %	2,638	82 %
Gross margin	1,011	25 %	849	25 %	579	18 %
Selling, general, and administrative	159	4 %	179	5 %	157	5 %
Research and development	470	12 %	421	13 %	411	13 %
Restructure and asset impairments	29	1 %	15	— %	51	2 %
Other operating (income) expense, net	(6 )	— %	2	— %	(8 )	— %
Operating income (loss)	359	9 %	232	7 %	(32 )	(1 ) %
Interest income (expense), net	(132 )	(3 ) %	(85 )	(3 ) %	(126 )	(4 ) %
Other non-operating income (expense), net	(14 )	— %	(4 )	— %	(10 )	— %
Income tax (provision) benefit	(31 )	(1 ) %	4	— %	(3 )	— %
Equity in net income (loss) of equity method investees	(2 )	— %	59	2 %	1	— %
Net income attributable to noncontrolling interests	—	— %	—	— %	—	— %
Net income (loss) attributable to Micron	\$180	5 %	\$206	6 %	\$(170 )	(5 ) %

### Net Sales

	First Quarter		Fourth Quarter	
	2017	% of Total	2016	% of Total
CNBU	\$1,470	37 %	\$1,139	34 %
MBU	1,032	26 %	834	25 %
SBU	860	22 %	884	26 %
EBU	578	15 %	479	14 %
All Other	30	1 %	14	— %
	\$3,970		\$3,350	
				\$3,217

Percentages of total net sales reflect rounding and may not total 100%.

Total net sales for the first quarter of 2017 increased 23% as compared to the fourth quarter of 2016. Higher sales for all operating segments resulted from increases in gigabits sold and DRAM average selling prices. The increases in



gigabits sold for the first quarter of 2017 were primarily attributable to increases in market demand and higher manufacturing output due to improvements in product and process technologies.

Total net sales for the first quarter of 2017 increased 19% as compared to the first quarter of 2016 primarily due to higher CNBU, MBU, and EBU sales as increases in gigabits sold outpaced declines in average selling prices. The increases in gigabits sold for the first quarter of 2017 were primarily attributable to increases in market demand and higher manufacturing output due to improvements in product and process technologies.

### Gross Margin

Our overall gross margin percentage increased to 25% for the first quarter of 2017 from 18% for the fourth quarter of 2016 reflecting increases in the gross margin percentages for all operating segments, primarily due to manufacturing cost reductions and to increases in average selling prices for DRAM products.

Our overall gross margin percentage for the first quarter of 2017 was essentially unchanged from the first quarter of 2016. CNBU and EBU gross margin percentages for the first quarter of 2017 improved as compared to the first quarter of 2016 as manufacturing cost reductions outpaced declines in average selling price, while MBU and SBU gross margin percentages declined as decreases in average selling prices outpaced manufacturing cost reductions.

Due to the lengthening period of time between DRAM product technology node transitions, an increased re-use rate of equipment, and industry trends, we revised the estimated useful lives of equipment in our DRAM wafer fabrication facilities from five to seven years in the fourth quarter of 2016. For 2017, we estimate the effect of the revision reduces depreciation costs by approximately \$100 million per quarter.

From January 2013 through December 2015, we purchased all of Inotera's DRAM output under supply agreements at prices reflecting discounts from market prices for our comparable components. After December 2015, the price for DRAM products purchased by us was based on a formula that equally shared margin between Inotera and us. We purchased \$504 million, \$372 million, and \$379 million of DRAM products from Inotera in the first quarter of 2017, the fourth quarter of 2016, and the first quarter of 2016, respectively. DRAM products purchased from Inotera accounted for 37% of our aggregate DRAM gigabit production for the first quarter of 2017 as compared to 28% for the fourth quarter of 2016 and 29% for the first quarter of 2016.

### Operating Results by Business Segments

In the first quarter of 2017, we revised the measure of segment profitability reviewed by our chief operating decision maker and, as a result, certain items are no longer allocated to our business units. Comparative periods have been revised to reflect these changes. (See "Item 1. Financial Statements – Notes to Consolidated Financial Statements – Segment Information.")

#### CNBU

	First Quarter		Fourth Quarter
	2017	2016	2016
Net sales	\$1,470	\$1,139	\$1,247
Operating income	204	40	10

CNBU sales and operating results are significantly impacted by average selling prices, gigabit sales volumes, and cost per gigabit of our DRAM products. (See "Operating Results by Product – DRAM" for further detail.) CNBU sales for the first quarter of 2017 increased 18% as compared to the fourth quarter of 2016 primarily due to increases in average selling prices and gigabits sold as a result of stronger demand as well as additional customer qualifications and higher shipments of our 20nm products. CNBU operating income for the first quarter of 2017 increased from the fourth

quarter of 2016 due to increases in average selling prices and manufacturing cost reductions.

CNBU sales for the first quarter of 2017 increased 29% as compared to the first quarter of 2016 primarily due to increases in gigabits sold partially offset by declines in average selling prices. CNBU operating income for the first quarter of 2017 improved from the first quarter of 2016 as manufacturing cost reductions outpaced decreases in average selling prices.

## MBU

	First Quarter		Fourth Quarter
	2017	2016	2016
Net sales	\$1,032	\$834	\$ 671
Operating income (loss)	89	148	(35 )

MBU sales are primarily composed of DRAM and Non-Volatile Memory, with mobile DRAM products accounting for a significant majority of the sales. MBU sales for the first quarter of 2017 increased 54% as compared to the fourth quarter of 2016 primarily due to increases in both DRAM and Non-Volatile Memory gigabits sold driven by the completion of customer qualifications and higher memory content in smartphones. MBU operating margin for the first quarter of 2017 increased from the fourth quarter of 2016 due to increases in gigabits sold and manufacturing cost reductions for Non-Volatile Memory products partially offset by higher R&D costs.

MBU sales for the first quarter of 2017 increased 24% as compared to the first quarter of 2016 primarily due to significant increases in gigabits sold partially offset by declines in average selling prices. MBU operating margin for the first quarter of 2017 declined from the first quarter of 2016 due to decreases in average selling prices that outpaced manufacturing cost reductions and to higher R&D costs.

## SBU

	First Quarter		Fourth Quarter
	2017	2016	2016
Net sales	\$860	\$884	\$ 758
Operating loss	(45 )	(14 )	(57 )

SBU sales and operating results are significantly impacted by average selling prices, gigabit sales volumes, and cost per gigabit of our Non-Volatile Memory products. (See "Operating Results by Product – Trade Non-Volatile Memory" for further details.) SBU sales for the first quarter of 2017 increased 13% from the fourth quarter of 2016 primarily due to increases in gigabits sold partially offset by declines in average selling prices. SBU sales included Non-Trade Non-Volatile Memory sales of \$123 million, \$129 million and \$126 million, for the first quarter of 2017, fourth quarter of 2016, and first quarter of 2016, respectively.

SBU sales of Trade Non-Volatile Memory products for the first quarter of 2017 increased 17% from the fourth quarter of 2016 primarily due to increases in gigabits sold as a result of higher SSD sales and strong demand in the NAND Flash market combined with higher manufacturing output, partially offset by declines in average selling prices. SBU operating margin for the first quarter of 2017 improved from the fourth quarter of 2016 as manufacturing cost reductions outpaced declines in average selling prices, partially offset by higher R&D costs.

SBU sales of Trade Non-Volatile Memory products for the first quarter of 2017 decreased 3% as compared to the first quarter of 2016 primarily due to declines in average selling prices partially offset by increases in gigabits sold as a result of strong demand combined with higher manufacturing output. SBU operating margin for the first quarter of 2017 declined from the first quarter of 2016 as decreases in average selling prices outpaced manufacturing cost reductions, partially offset by lower operating expenses.

## EBU

	First	Fourth	
	Quarter	Quarter	
	2017	2016	2016
Net sales	\$578	\$479	\$ 513
Operating income	178	121	141

EBU sales are composed of DRAM, Non-Volatile Memory, and NOR Flash in decreasing order of revenue. EBU sales for the first quarter of 2017 increased 13% as compared to the fourth quarter of 2016 primarily due to higher sales volumes for Non-Volatile Memory products as a result of strong sales in our automotive and our consumer businesses, particularly for home automation and camera applications. EBU operating income for the first quarter of 2017 increased from the fourth quarter of 2016 primarily due to manufacturing cost reductions and the increases in sales volumes.

EBU sales for the first quarter of 2017 increased 21% as compared to the first quarter of 2016 primarily due to higher sales volumes of DRAM and Non-Volatile Memory products as a result of increases in demand. EBU operating income for the first quarter of 2017 improved as compared to the first quarter of 2016 as manufacturing cost reductions outpaced declines in average selling prices and as sales volumes increased.

### Operating Results by Product

#### Net Sales by Product

	First Quarter		Fourth Quarter		2016	
	2017	% of Total	2016	% of Total	2016	% of Total
DRAM	\$2,421	61 %	\$1,945	58 %	\$1,946	60 %
Non-Volatile Memory						
Trade	1,272	32 %	1,143	34 %	1,013	31 %
Non-Trade	123	3 %	126	4 %	129	4 %
Other	154	4 %	136	4 %	129	4 %
	\$3,970		\$3,350		\$3,217	

Percentages of total net sales reflect rounding and may not total 100%.

Trade Non-Volatile Memory includes NAND Flash and 3D XPoint memory. Non-Trade Non-Volatile Memory primarily consists of Non-Volatile Memory products manufactured and sold to Intel through IMFT at long-term negotiated prices approximating cost. Information regarding our MCP products, which combine both NAND Flash and DRAM components, is reported within Trade Non-Volatile Memory. Sales of NOR Flash products are included in Other.

#### DRAM

	First Quarter 2017 Versus Fourth Quarter 2016	First Quarter 2016
	(percentage change from period indicated)	
Net sales	24 %	24 %
Average selling prices per gigabit	5 %	(21) %
Gigabits sold	18 %	57 %

Cost per gigabit (5 )% (20 )%

The increases in gigabits sold for the first quarter of 2017 as compared to the fourth and first quarters of 2016 were primarily due to strong demand across key markets and customer qualifications combined with increases in gigabit production. The decreases in cost per gigabit for the first quarter of 2017 as compared to the fourth and first quarters of 2016 were primarily due to improvements in product and process technologies and lower depreciation due to a change made in the fourth quarter of 2016 in estimated useful lives for equipment at our DRAM wafer fabrication facilities. Gigabit production and cost reductions for the first quarter of 2017 and the fourth quarter of 2016 were affected by a transition to a higher mix of DDR4 products, which have larger die sizes and fewer bits per wafer.

Our DRAM gross margin percentage for the first quarter of 2017 increased as compared to the fourth quarter of 2016 primarily due to manufacturing cost reductions and increases in average selling prices. Our gross margin percentage on sales of DRAM products for the first quarter of 2017 was relatively unchanged from the first quarter of 2016 as manufacturing cost reductions offset declines in average selling prices.

#### Trade Non-Volatile Memory

	First Quarter 2017 Versus Fourth First Quarter 2016	First Quarter 2016
	(percentage change from period indicated)	
Sales to trade customers		
Net sales	26 %	11 %
Average selling prices per gigabit	0 %	(21) %
Gigabits sold	26 %	40 %
Cost per gigabit	(8) %	(20) %

Through the first quarter of 2017, substantially all of our Trade Non-Volatile Memory sales were from NAND Flash products. The increase in gigabits sold of Trade Non-Volatile Memory for the first quarter of 2017 as compared to the fourth quarter of 2016 and first quarter of 2016 was due to an increase in demand, primarily for SSD and MCP products. Our ability to meet this demand was due in part to an increase in production from our facilities, primarily due to the ramp of additional capacity and improvements in product and process technology, including our transition to 3D NAND Flash products. Increases in gigabit production for the first quarter of 2017 as compared to the fourth quarter of 2016 were limited by a shift in product mix to higher levels of managed NAND Flash and MCP products, which have both higher average selling prices and costs per gigabit.

Our gross margin percentage on sales of Trade Non-Volatile Memory products for the first quarter of 2017 increased from the fourth quarter of 2016 primarily due to manufacturing cost reductions. Our gross margin percentage on sales of Trade Non-Volatile Memory products for the first quarter of 2017 was relatively unchanged from the first quarter of 2016 as manufacturing cost reductions offset declines in average selling prices.

#### Operating Expenses and Other

##### Selling, General, and Administrative

SG&A expenses for the first quarter of 2017 were relatively unchanged compared to the fourth quarter of 2016. SG&A expenses for the first quarter of 2017 were 11% lower than the first quarter of 2016 primarily due to decreases in payroll costs as a result of the 2016 Restructuring Plan.

##### Research and Development

R&D expenses for the first quarter of 2017 were 14% higher than the fourth quarter of 2016 primarily due to higher volumes of development wafers processed and higher variable pay costs. R&D expenses for the first quarter of 2017



were 12% higher than the first quarter of 2016 primarily due to higher volumes of development wafers processed.

We generally share with Intel the costs of product design and process development activities for NAND Flash and 3D XPoint memory at IMFT and our other facilities. Our R&D expenses reflect net reductions as a result of reimbursements under our cost-sharing arrangements with Intel and others of \$56 million for the first quarter of 2017, \$52 million for the fourth quarter of 2016, and \$48 million for the first quarter of 2016.

## Income Taxes

Our income tax (provision) benefit included the following:

	First Quarter		Fourth Quarter
	2017	2016	2016
Utilization of and other changes in net deferred tax assets of MMJ and MMT	\$(13)	\$(22)	\$(12 )
U.S. valuation allowance release resulting from business acquisition	—	41	—
Other, primarily other non-U.S. operations	(18 )	(15 )	9
	\$(31)	\$4	\$(3 )
Effective tax rate	14.6 %	2.8 %	1.8 %

Our effective tax rates reflect the following:

- operations in tax jurisdictions, including Singapore and Taiwan, where our earnings are indefinitely reinvested and the tax rates are significantly lower than the U.S. statutory rate;
- operations outside the U.S., including Singapore, where we have tax incentive arrangements that further decrease our effective tax rates;
- exclusion of certain jurisdictions from the consolidated effective tax rate computations for instances where no benefit is recorded on forecasted losses; and
- a valuation allowance against substantially all of our U.S. net deferred tax assets.

We have a full valuation allowance for our net deferred tax asset associated with our U.S. operations. The amount of the deferred tax asset considered realizable could be adjusted if sufficient positive evidence increases.

We operate in a number of locations outside the U.S., including Singapore, where we have tax incentive arrangements that are conditional, in part, upon meeting certain business operation and employment thresholds. The effect of tax incentive arrangements, which expire in whole or in part at various dates through 2030, reduced our tax provision by \$40 million (benefitting our diluted earnings per share by \$0.04) for the first quarter of 2017, were not material for the fourth quarter of 2016, and by \$12 million (\$0.01 per diluted share) for the first quarter of 2016.

## Equity in Net Income (Loss) of Equity Method Investees

Equity in net income (loss) of equity method investees, net of tax, included the following:

	First Quarter		Fourth Quarter
	2017	2016	2016
Inotera	\$9	\$52	\$(3 )
Tera Probe	(12)	3	5
Other	1	4	(1 )
	\$(2)	\$59	\$1

Our equity in net income (loss) of Inotera increased for the first quarter of 2017 compared to the fourth quarter of 2016 primarily due to increases in average selling prices and sales volume. Our equity in net income of Inotera declined for the first quarter of 2017 as compared to the first quarter of 2016 primarily due to declines in average selling prices.

In the first quarter of 2017, we recorded an impairment charge of \$16 million within equity in net income (loss) of equity method investees to write down the carrying value of our investment in Tera Probe to its fair value based on its trading price.

## Other

Further discussion of other operating and non-operating income and expenses can be found in the following notes contained in "Item 1. Financial Statements – Notes to Consolidated Financial Statements":

### Equity Plans

### Restructure and Asset Impairments

### Other Non-Operating Income (Expense), Net

## Liquidity and Capital Resources

Our primary sources of liquidity are cash generated from operations and financing obtained from capital markets. Cash generated from operations is highly dependent on selling prices for our products, which can vary significantly from period to period. We are continuously evaluating alternatives for efficiently funding our capital expenditures and ongoing operations. We expect, from time to time in the future, to engage in a variety of transactions for such purposes, including the issuance or incurrence of secured and unsecured debt and the refinancing and restructuring of existing debt. As of December 1, 2016, we had a revolving credit facility available for up to \$675 million of additional financing based on eligible receivables. As of December 1, 2016, we also had an available five-year variable-rate facility agreement to obtain up to \$800 million of financing, collateralized by certain production equipment, of which we drew \$450 million on December 2, 2016, and for which the remainder may be utilized in multiple draws until June 10, 2017. We expect that our cash and investments, cash flows from operations, and available financing will be sufficient to meet our requirements through at least the next 12 months.

To develop new product and process technologies, support future growth, achieve operating efficiencies, and maintain product quality, we must continue to invest in manufacturing technologies, facilities and equipment, and R&D. We estimate that net cash expenditures in 2017 for property, plant, and equipment will be approximately \$4.8 billion to \$5.2 billion, which reflects the offset of amounts we expect to be funded by our partners. The actual amounts for 2017 will vary depending on market conditions. As of December 1, 2016, we had commitments of approximately \$550 million for the acquisition of property, plant, and equipment, substantially all of which is expected to be paid within one year.

Cash and marketable investments included the following:

As of	December 1, 2016	September 1, 2016
Cash and equivalents and short-term investments	\$ 4,169	\$ 4,398
Long-term marketable investments	155	414

Our investments consist primarily of liquid investment-grade fixed-income securities, diversified among industries and individual issuers. As of December 1, 2016, \$1.83 billion of our cash and equivalents and short-term investments was held by our foreign subsidiaries, of which \$1.33 billion was denominated in currencies other than the U.S. dollar. To mitigate credit risk, we invest through high-credit-quality financial institutions and, by policy, generally limit the concentration of credit exposure by restricting the amount of investments with any single obligor.

## Acquisition of Inotera

On December 6, 2016, subsequent to the end of our first quarter of 2017, we acquired the 67% interest in Inotera not owned by us for an aggregate of \$4.1 billion in cash (the "Inotera Acquisition"), funded with proceeds from the 2021

Term Loan (defined below), the sale of shares of our common stock to Nanya, and cash on hand.

#### Acquisition Financing

2021 Term Loan: On December 6, 2016, we drew 80 billion New Taiwan dollars (equivalent to \$2.5 billion) under a collateralized, five-year term loan that bears interest at a variable rate equal to the three-month or six-month TAIBOR, at our option, plus a margin of 2.05% per annum (the "2021 Term Loan"). Principal under the 2021 Term Loan is payable in six equal semi-annual installments, commencing in June 2019, through December 2021. The 2021 Term Loan is collateralized by certain assets including a real estate mortgage on Inotera's main production facility and site, a chattel mortgage over certain equipment of Inotera, all of the stock of our MSTW subsidiary, and the 82% of stock of Inotera owned by MSTW.

The 2021 Term Loan contains affirmative and negative covenants, including covenants that limit or restrict our ability to create liens in or dispose of collateral securing obligations under the 2021 Term Loan, mergers involving MSTW and/or Inotera, loans or guarantees to third parties by Inotera and/or MSTW, and MSTW's distribution of cash dividends (subject to satisfaction of certain financial conditions). The 2021 Term Loan also contains financial covenants as follows, which are tested semi-annually:

MSTW must maintain a consolidated ratio of total debt to adjusted EBITDA not higher than 5.5x in 2017 and 2018, and not higher than 4.5x in 2019 through 2021;

MSTW must maintain adjusted consolidated tangible net worth of not less than 4.0 billion New Taiwan dollars (equivalent to \$125 million) in 2017 and 2018, not less than 6.5 billion New Taiwan dollars (equivalent to \$203 million) in 2019 and 2020, and not less than 12.0 billion New Taiwan dollars (equivalent to \$374 million) in 2021; on a consolidated basis, we must maintain a ratio of total debt to adjusted EBITDA not higher than 3.5x in 2017, not higher than 3.0x in 2018 and 2019, and not higher than 2.5x in 2020 and 2021; and

on a consolidated basis, we must maintain adjusted tangible net worth not less than \$9.0 billion in 2017, not less than \$12.5 billion in 2018 and 2019, and not less than \$16.5 billion in 2020 and 2021.

If one or more of the required financial ratios is not maintained at the time the ratios are tested, the interest rate will be increased by 0.25% until such time as the required financial ratios are maintained. In addition, if MSTW fails to maintain a required financial ratio for two consecutive semi-annual periods, such failure will constitute an event of default that could result in all obligations owed under the 2021 Term Loan being accelerated to be immediately due and payable. Our failure to maintain a required consolidated financial ratio will only result in an increase to the interest rate and will not constitute an event of default. The 2021 Term Loan also contains customary events of default and is guaranteed by Micron.

To hedge our currency exposure of this borrowing, in December 2016, subsequent to the end of our first quarter of 2017, we entered into a series of currency forward contracts to purchase an aggregate of 80 billion New Taiwan dollars under a rolling hedge strategy. The forward contracts expire at various dates through June 2017.

Micron Shares: In connection with the Inotera Acquisition, subsequent to the end of our first quarter of 2017, we sold 58 million shares of our common stock to Nanya for \$981 million (the "Micron Shares"), of which 54 million were issued from treasury stock. The sale of the Micron Shares was exempt from the registration requirements of the Securities Act of 1933, as amended, and the Micron Shares are subject to certain restrictions on transfers. Our accounting for the Inotera Acquisition will include the fair value of the Micron Shares as of the acquisition date as consideration.

#### Limitations on the Use of Cash and Investments

MMJ Group: Cash and equivalents and short-term investments in the table above included an aggregate of \$684 million held by the MMJ Group as of December 1, 2016. As a result of the corporate reorganization proceedings the MMJ Companies initiated in March 2012, and for so long as such proceedings are continuing, the MMJ Companies and their subsidiaries are prohibited from paying dividends, including any cash dividends, to us. In addition, pursuant to an order of the Japan Court, the MMJ Companies cannot make loans or advances, other than certain ordinary course advances, to us without the consent of the Japan Court and may, under certain circumstances, be subject to approval of the legal trustees and Japan Court. As a result, the assets of the MMJ Group are not available for use by us in our other operations. Furthermore, certain uses of the assets of the MMJ Group, including investments in certain capital expenditures and in MMT, may require consent of MMJ's trustees and/or the Japan Court.

IMFT: Cash and equivalents and short-term investments in the table above included \$77 million held by IMFT as of December 1, 2016. Our ability to access funds held by IMFT to finance our other operations is subject to agreement by Intel and contractual limitations. Amounts held by IMFT are not anticipated to be available to finance our other operations.

Indefinitely Reinvested: As of December 1, 2016, \$723 million of cash and equivalents and short-term investments, including substantially all of the amounts held by the MMJ Group, was held by foreign subsidiaries whose earnings were considered to be indefinitely reinvested and repatriation of these funds to the U.S. would subject these funds to U.S. federal income taxes. Determination of the amount of unrecognized deferred tax liabilities related to investments in these foreign subsidiaries is not practicable.

## Cash Flows

	First Quarter	
	2017	2016
Net cash provided by operating activities	\$1,138	\$1,120
Net cash provided by (used for) investing activities	(890 )	(660 )
Net cash provided by (used for) financing activities	(212 )	(140 )
Effect of changes in currency exchange rates on cash and equivalents	(37 )	(2 )
Net increase (decrease) in cash and equivalents	\$(1 )	\$318

Operating Activities: For the first quarter of 2017, cash provided by operating activities was due primarily to cash generated by our operations and the effect of working capital adjustments, which included \$401 million cash used for net increases in receivables and \$299 million cash provided by net increases in accounts payable and accrued expenses. For the first quarter of 2016, cash provided by operating activities was due primarily to cash generated by our operations and the effect of working capital adjustments, which included \$297 million of cash provided from net reductions in receivables.

Investing Activities: For the first quarter of 2017, net cash used for investing activities consisted primarily of \$1.26 billion of expenditures for property, plant, and equipment (which excludes offsets of amounts funded by our partners), partially offset by \$483 million of net inflows from sales, maturities, and purchases of available-for-sale securities. For the first quarter of 2016, net cash used for investing activities consisted primarily of \$990 million of expenditures for property, plant, and equipment (which excludes offsets of amounts funded by our partners) and \$148 million for our acquisition of Tidal Systems, Ltd., partially offset by \$534 million of net inflows from sales, maturities, and purchases of available-for-sale securities.

Financing Activities: For the first quarter of 2017, net cash used for financing activities consisted primarily of \$188 million for repayments of debt. For the first quarter of 2016, net cash used for financing activities consisted primarily of \$197 million for repayments of debt (including \$36 million for the amount in excess of principal in connection with the repurchase of a portion of our convertible notes) and \$125 million for the open-market repurchases of 7 million shares of our common stock, partially offset by \$174 million of proceeds from the issuance of debt. See "Item 1. Financial Statements – Notes to Consolidated Financial Statements – Debt."

## Potential Settlement Obligations of Convertible Notes

Since the closing price of our common stock for at least 20 trading days in the 30 trading day period ended on December 31, 2016 exceeded 130% of the conversion price per share of our 2032 Notes and 2033 Notes, those notes will be convertible by the holders during the calendar quarter ended March 31, 2017. The following table summarizes the potential settlements that we could be required to make for the calendar quarter ending March 31, 2017 if all holders converted their 2032 Notes and 2033 Notes. The amounts in the table below are based on our closing share price of \$18.48 as of December 1, 2016.

Settlement Option for	Principal Amount	Amount in Excess of Principal	Underlying Shares	If Settled With Minimum Cash Required		If Settled Entirely With Cash
				Cash	Remainder in Shares	Cash
2032C Notes	Cash and/or shares	Cash and/or shares	23	\$ —	23	\$ 429



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2032D Notes	Cash and/or shares	Cash and/or shares	18	—	18	328
2033E Notes	Cash	Cash and/or shares	16	176	7	297
2033F Notes	Cash	Cash and/or shares	27	297	11	502
			84	\$ 473	59	\$ 1,556

## Contractual Obligations

As of December 1, 2016	Payments Due by Period						
	Total	Remainder of 2017	2018	2019	2020	2021	2022 and Thereafter
Notes payable <sup>(1)(2)</sup>	\$11,713	\$ 675	\$893	\$898	\$1,040	\$551	\$ 7,656
Capital lease obligations <sup>(2)</sup>	1,405	292	352	299	204	77	181
Operating leases <sup>(3)</sup>	903	317	404	129	14	11	28
Total	\$14,021	\$ 1,284	\$1,649	\$1,326	\$1,258	\$639	\$ 7,865

(1) Amounts include MMJ Creditor Installment Payments, convertible notes, and other notes. Any future redemptions, repurchases, or conversions of debt could impact the amount and timing of our cash payments.

(2) Amounts include principal and interest.

Amounts include contractually obligated minimum lease payments for operating leases having an initial noncancelable term in excess of one year and primarily relate to the expected costs which meet the criteria of a

(3) minimum operating lease payment under our Inotera supply agreement. As a result of the Inotera Acquisition on December 6, 2016, subsequent to the end of our first quarter of 2017, these amounts become intercompany transactions and will be eliminated in our consolidated financial statements.

The expected timing of payment amounts of the obligations discussed above is estimated based on current information. Timing and actual amounts paid may differ depending on the timing of receipt of goods or services, market prices, changes to agreed-upon amounts, or timing of certain events for some obligations. The contractual obligations in the table above include the current portions of the related long-term obligations. All other current liabilities are excluded.

## Recently Adopted Accounting Standards

See "Item 1. Financial Statements – Notes to Consolidated Financial Statements – Recently Adopted Accounting Standards."

## Recently Issued Accounting Standards

See "Item 1. Financial Statements – Notes to Consolidated Financial Statements – Recently Issued Accounting Standards."

## ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

## Interest Rate Risk

We are exposed to interest rate risk related to our indebtedness and our investment portfolio. A substantial portion of our indebtedness is at fixed interest rates. As a result, the fair value of our debt fluctuates based on changes in market interest rates. We estimate that, as of December 1, 2016 and September 1, 2016, a decrease in market interest rates of 1% would increase the fair value of our notes payable by approximately \$395 million and \$420 million, respectively. A 1% increase in the interest rates of our variable-rate debt would result in an increase in interest expense of approximately \$10 million per year. In addition, in connection with the Inotera Acquisition, we drew 80 billion New Taiwan dollars under the 2021 Term Loan on December 6, 2016, subsequent to the end of our first quarter of 2017, at a variable interest rate. A 1% increase in the interest rates of our 2021 Term Loan would result in an increase in

interest expense of approximately \$25 million per year.

As of December 1, 2016 and September 1, 2016, we held fixed-rate debt securities of \$321 million and \$1.11 billion, respectively, that were subject to interest rate risk. We estimate that a 0.5% increase in market interest rates would decrease the fair value of these instruments by approximately \$1 million as of December 1, 2016 and September 1, 2016.

## Foreign Currency Exchange Rate Risk

The information in this section should be read in conjunction with the information related to changes in the currency exchange rates in "Part II. Other Information – Item 1A. Risk Factors." Changes in currency exchange rates could materially adversely affect our results of operations or financial condition.

The functional currency for all of our operations is the U.S. dollar. The substantial majority of our sales are transacted in the U.S. dollar; however, significant amounts of our operating expenditures and capital purchases are incurred in or exposed to other currencies, primarily the euro, Singapore dollar, New Taiwan dollar, and yen. We have established currency risk management programs for our operating expenditures and capital purchases to hedge against fluctuations in the fair value and volatility of future cash flows caused by changes in currency exchange rates. We generally utilize currency forward contracts in these hedging programs, which reduce, but do not always entirely eliminate, the impact of currency exchange rate movements. We do not use derivative financial instruments for trading or speculative purposes.

Based on our foreign currency balances from monetary assets and liabilities, we estimate that a 10% adverse change in exchange rates versus the U.S. dollar would result in losses of approximately \$289 million as of December 1, 2016 (or, after giving effect to the 80 billion New Taiwan dollars we drew on the 2021 Term Loan on December 6, 2016 and the use of cash to fund the Inotera Acquisition, losses of \$462 million) and \$241 million as of September 1, 2016. We hedge our exposure to changes in currency exchange rates from our monetary assets and liabilities by utilizing a rolling hedge strategy for our primary currency exposures with currency forward contracts that generally mature within 35 days. In addition, we have entered into foreign currency forward contracts that mature in as many as 24 months to hedge our currency exchange rate risk on certain debt. The effectiveness of these hedges is dependent upon our ability to accurately forecast our monetary assets and liabilities. To hedge the exposure of changes in cash flows from changes in currency exchange rates for certain capital expenditures, we utilize currency forward contracts that generally mature within 12 months. (See "Item 1. Financial Statements – Notes to Consolidated Financial Statements – Derivative Instruments.")

## ITEM 4. CONTROLS AND PROCEDURES

An evaluation was carried out under the supervision and with the participation of our management, including our principal executive officer and principal financial officer, of the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Rule 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934) as of the end of the period covered by this report. Based upon that evaluation, the principal executive officer and principal financial officer concluded that those disclosure controls and procedures were effective to ensure that information required to be disclosed by us in the reports that we file or submit under the Exchange Act are recorded, processed, summarized, and reported within the time periods specified in the Commission's rules and forms and that such information is accumulated and communicated to our management, including the principal executive officer and principal financial officer, to allow timely decision regarding disclosure.

During the quarterly period covered by this report, there were no changes in our internal control over financial reporting that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

## PART II. OTHER INFORMATION

### ITEM 1. LEGAL PROCEEDINGS

#### Reorganization Proceedings of the MMJ Companies

In July 2013, we completed the acquisition of Elpida, now known as MMJ, a Japanese corporation, pursuant to the terms and conditions of an Agreement on Support for Reorganization Companies (as amended, the "Sponsor Agreement") that we entered into in July 2012 with the trustees of the MMJ Companies' pending corporate reorganization proceedings under the Corporate Reorganization Act of Japan. The MMJ Companies filed petitions for commencement of corporate reorganization proceedings with the Japan Court under the Corporate Reorganization Act of Japan in February 2012, and the Japan Court issued an order to commence the reorganization proceedings (the "Japan Proceedings") in March 2012. Under the Sponsor Agreement, we agreed to provide certain support for the reorganization of the MMJ Companies and the trustees agreed to prepare and seek approval from the Japan Court and the MMJ Companies' creditors of plans of reorganization consistent with such support.

The trustees initially submitted the proposed plans of reorganization for the MMJ Companies to the Japan Court in August 2012 and submitted final proposed plans in October 2012. In October 2012, the Japan Court approved submission of the trustees' proposed plans of reorganization to creditors for approval. In February 2013, the MMJ Companies' creditors approved the reorganization plans and in February 2013, the Japan Court issued an order approving the plans of reorganization. Appeals filed by certain creditors of MMJ in Japan challenging the plan approval order issued by the Japan Court were denied.

In a related action, MMJ filed a Verified Petition for Recognition and Chapter 15 Relief in the United States Bankruptcy Court for the District of Delaware (the "U.S. Court") in March 2012 and, in April 2012, the U.S. Court entered an order that, among other things, recognized MMJ's corporate reorganization proceeding as a foreign main proceeding pursuant to 11 U.S.C. § 1517(b). On June 25, 2013, the U.S. Court issued a recognition order, which recognized the order of the Japan Court approving MMJ's plan of reorganization. In November 2013, the U.S. Court closed the U.S. Chapter 15 proceeding.

The plans of reorganization provide for payments by the MMJ Companies to their secured and unsecured creditors in an aggregate amount of 200 billion yen, less certain expenses of the reorganization proceedings and certain other items. The plans of reorganization also provided for the investment by us pursuant to the Sponsor Agreement of 60 billion yen paid at closing in cash into MMJ in exchange for 100% ownership of MMJ's equity and the use of such investment to fund the initial installment payment by the MMJ Companies to their creditors of 60 billion yen, subject to reduction for certain items specified in the Sponsor Agreement and plans of reorganization.

Under MMJ's plan of reorganization, secured creditors will recover 100% of the amount of their fixed claims and unsecured creditors will recover at least 17.4% of the amount of their fixed claims. The actual recovery of unsecured creditors will be higher, however, based, in part, on events and circumstances occurring following the plan approval. The remaining portion of the unsecured claims will be discharged, without payment, over the period that payments are made pursuant to the plans of reorganization. The secured creditors will be paid in full on or before the sixth installment payment date, while the unsecured creditors will be paid in seven installments. MAI's plan of reorganization provides that secured creditors will recover 100% of the amount of their claims, whereas unsecured creditors will recover 19% of the amount of their claims. The secured creditors of MAI were paid in full on the first installment payment date, while the unsecured creditors will be paid in seven installments.

Because the plans of reorganization of the MMJ Companies provide for ongoing payments to creditors following the closing of the MMJ acquisition, the Japan Proceedings are continuing and the MMJ Companies remain subject to the oversight of the Japan Court and of the trustees (including a trustee designated by us, who we refer to as the business trustee, and a trustee designated by the Japan Court, who we refer to as the legal trustee), pending completion of the reorganization proceedings. The business trustee makes decisions in relation to the operation of the businesses of the MMJ Companies, other than decisions in relation to acts that need to be carried out in connection with the Japan Proceedings, which are the responsibility of the legal trustee. The Japan Proceedings and oversight of the Japan Court will continue until the final creditor payment is made under the MMJ Companies' plans of reorganization, which is scheduled to occur in December 2019, but may occur on a later date to the extent any claims of creditors remain unfixed on the final scheduled installment payment date. The MMJ Companies may petition the Japan Court for an early termination of the Japan Proceedings once two-thirds of all payments under the plans of reorganization are made. Although such early terminations are customarily granted, there can be no assurance that the Japan Court will grant any such petition in these particular cases.

During the pendency of the Japan Proceedings, the MMJ Companies are obligated to provide periodic financial reports to the Japan Court and may be required to obtain the consent of the Japan Court prior to taking a number of significant actions relating to their businesses, including transferring or disposing of, or acquiring, certain material assets, incurring or guaranteeing material indebtedness, settling material disputes, or entering into certain material agreements. The consent of the legal trustee may also be required for matters that would likely have a material impact on the operations or assets of the MMJ Companies and their subsidiaries or for transfers of material assets, to the extent the matters or transfers would reasonably be expected to materially and adversely affect execution of the plans of reorganization of the MMJ Companies. Accordingly, during the pendency of the Japan Proceedings, our ability to effectively integrate the MMJ Companies as part of our global operations or to cause the MMJ Companies to take certain actions that we deem advisable for their businesses could be adversely affected if the Japan Court or the legal trustee is unwilling to consent to various actions that we may wish to take with respect to the MMJ Companies.

#### Other Proceedings

For a discussion of other legal proceedings, see "Part I. Financial Information – Item 1. Financial Statements – Notes to Consolidated Financial Statements – Contingencies" and "Item 1A. Risk Factors."

#### ITEM 1A. RISK FACTORS

In addition to the factors discussed elsewhere in this Form 10-Q, the following are important factors which could cause actual results or events to differ materially from those contained in any forward-looking statements made by us. The order of these factors is not necessarily indicative of the level of risk that each poses to us. Our operations could also be affected by other factors that are presently unknown to us or not considered significant. The factors below could materially adversely affect our business, financial condition, results of operations, and stock price.

We have experienced dramatic declines in average selling prices for our semiconductor memory products which have adversely affected our business.

If average selling prices for our memory products decrease faster than we can decrease per gigabit costs, our business, results of operations, or financial condition could be materially adversely affected. We have experienced significant decreases in our average selling prices per gigabit in previous years as noted in the table below and may continue to experience such decreases in the future. In some prior periods, average selling prices for our memory products have been below our manufacturing costs and we may experience such circumstances in the future.

DRAM<sup>Trade</sup>  
Non-Volatile

(percentage change  
in average selling  
prices)

2016 from 2015	(35)%	(20)	)%
2015 from 2014	(11)%	(17)	)%
2014 from 2013	6	% (23	)%
2013 from 2012	(11)%	(18	)%
2012 from 2011	(45)%	(55	)%

We may be unable to maintain or improve gross margins.

Our gross margins are dependent upon continuing decreases in per gigabit manufacturing costs achieved through improvements in our manufacturing processes and product designs, including, but not limited to, process line-width, additional 3D memory layers, additional bits per cell (i.e., cell levels), architecture, number of mask layers, number of fabrication steps, and yield. In future periods, we may be unable to reduce our per gigabit manufacturing costs at sufficient levels to maintain or improve gross margins. Factors that may limit our ability to reduce costs include, but are not limited to, strategic product diversification decisions affecting product mix, the increasing complexity of manufacturing processes, difficulties in transitioning to smaller line-width process technologies, technological barriers, changes in process technologies, and new products that may require relatively larger die sizes. Per gigabit manufacturing costs may also be affected by the relatively smaller production quantities and shorter product lifecycles of certain specialty memory products.



The semiconductor memory industry is highly competitive.

We face intense competition in the semiconductor memory market from a number of companies, including Intel; Samsung Electronics Co., Ltd.; SK Hynix Inc.; Toshiba Corporation; and Western Digital Corporation. Some of our competitors are large corporations or conglomerates that may have greater resources to invest in technology, capitalize on growth opportunities, and withstand downturns in the semiconductor markets in which we compete. Consolidation of industry competitors could put us at a competitive disadvantage. In addition, some governments, such as China, have provided, and may continue to provide, significant financial assistance to some of our competitors or to new entrants. Our competitors seek to increase silicon capacity, improve yields, reduce die size, and minimize mask levels in their product designs resulting in significant increases in the worldwide supply of semiconductor memory and downward pressure on prices. Increases in worldwide supply of semiconductor memory also result from semiconductor memory fab capacity expansions, either by way of new facilities, increased capacity utilization, or reallocation of other semiconductor production to semiconductor memory production. Our competitors may increase capital expenditures resulting in future increases in worldwide supply. We and some of our competitors have plans to or are constructing or ramping production at new fabrication facilities. Increases in worldwide supply of semiconductor memory, if not accompanied by commensurate increases in demand, would lead to further declines in average selling prices for our products and would materially adversely affect our business, results of operations, or financial condition. If competitors are more successful at developing or implementing new product or process technology, their products could have cost or performance advantages.

Debt obligations could adversely affect our financial condition.

In recent periods, our debt levels have increased due to the capital intensive nature of our business, business acquisitions, and restructuring of our capital structure. As of December 1, 2016, we had debt with a carrying value of \$9.65 billion. In addition, in connection with the Inotera Acquisition, on December 6, 2016, we drew 80 billion New Taiwan dollars (equivalent to \$2.5 billion) under the 2021 Term Loan. As of December 1, 2016, we also had an available five-year variable-rate facility agreement to obtain up to \$800 million of financing, collateralized by certain production equipment, of which we drew \$450 million on December 2, 2016, and the remainder may be utilized in multiple draws until June 10, 2017. As of December 1, 2016, we also had a revolving credit facility available for up to \$675 million of additional financing. The availability of this revolving facility is subject to certain conditions, including outstanding balances of eligible receivables. Events and circumstances may occur which would cause us to not be able to satisfy these applicable draw-down conditions and utilize this facility. We have incurred in the past, and expect to incur in the future, debt to finance our capital investments, business acquisitions, and restructuring of our capital structure.

Our debt obligations could adversely impact us. For example, these obligations could:

- require us to use a large portion of our cash flow to pay principal and interest on debt, which will reduce the amount of cash flow available to fund working capital, capital expenditures, acquisitions, R&D expenditures, and other business activities;
- result in all obligations owing under the 2021 Term Loan being accelerated to be immediately due and payable if our MSTW subsidiary fails to comply with financial covenants;
- increase the interest rate under the 2021 Term Loan if we or MSTW fails to maintain certain financial covenants;
- adversely impact our credit rating, which could increase future borrowing costs;
  - limit our future ability to raise funds for capital expenditures, strategic acquisitions or business opportunities, R&D, and other general corporate requirements;
- restrict our ability to incur indebtedness, create or incur certain liens, and enter into sale-leaseback financing transactions;
- increase our vulnerability to adverse economic and semiconductor memory industry conditions;

continue to dilute our earnings per share as a result of the conversion provisions in our convertible notes; and require us to continue to pay cash amounts substantially in excess of the principal amounts upon settlement of our convertible notes to minimize dilution of our earnings per share.

Our ability to meet our payment obligations under our debt instruments depends on our ability to generate significant cash flows in the future. This, to some extent, is subject to market, economic, financial, competitive, legislative, and regulatory factors as well as other factors that are beyond our control. There can be no assurance that our business will generate cash flow from operations, or that additional capital will be available to us, in an amount sufficient to enable us to meet our debt payment obligations and to fund other liquidity needs. If we are unable to generate sufficient cash flow to service our debt obligations, we may need to refinance or restructure our debt, sell assets, reduce or delay capital investments, or seek to raise additional capital. If we were unable to implement one or more of these alternatives, we may be unable to meet our debt payment obligations, which could have a material adverse effect on our business, results of operations, or financial condition.

We may be unable to generate sufficient cash flows or obtain access to external financing necessary to fund our operations, make scheduled debt payments, and make adequate capital investments.

Our cash flows from operations depend primarily on the volume of semiconductor memory sold, average selling prices, and manufacturing costs. To develop new product and process technologies, support future growth, achieve operating efficiencies, and maintain product quality, we must make significant capital investments in manufacturing technology, capital equipment, facilities, R&D, and product and process technology. We estimate that net cash expenditures in 2017 for property, plant, and equipment will be approximately \$4.8 billion to \$5.2 billion, which reflects the offset of amounts we expect to be funded by our partners. Investments in capital expenditures for the first quarter of 2017, offset by amounts funded by our partners, were \$1.18 billion. As of December 1, 2016, we had cash and marketable investments of \$4.32 billion. As of December 1, 2016, \$723 million of cash and equivalents and short-term investments, including substantially all of the \$684 million held by the MMJ Group, were held by foreign subsidiaries whose earnings were considered to be indefinitely reinvested and repatriation of these funds to the U.S. would subject these funds to U.S. federal income taxes. In addition, cash held by IMFT of \$77 million was generally not available to finance our other operations.

As a result of the Japan Proceedings, for so long as such proceedings are continuing, the MMJ Companies are prohibited from paying dividends, including any cash dividends, to us and require that excess earnings be used in their businesses or to fund the MMJ Companies' installment payments. In addition, pursuant to an order of the Japan Court, the MMJ Companies cannot make loans or advances, other than certain ordinary course advances, to us without the consent of the Japan Court and may, under certain circumstances, be subject to approval of the legal trustees and Japan Court. As a result, the assets of the MMJ Companies are not available for use by us in our other operations. Furthermore, certain uses of the assets of the MMJ Group, including investments in certain capital expenditures and in MMT, may require consent of MMJ's trustees and/or the Japan Court.

In the past we have utilized external sources of financing when needed. As a result of our debt levels, expected debt amortization, and general economic conditions, it may be difficult for us to obtain financing on terms acceptable to us. There can be no assurance that we will be able to generate sufficient cash flows, use cash held by MMJ to fund its capital expenditures, access capital markets or find other sources of financing to fund our operations, make debt payments, and make adequate capital investments to remain competitive in terms of technology development and cost efficiency. Our inability to do the foregoing could have a material adverse effect on our business, results of operations, or financial conditions.

Our acquisition of the remaining shares of Inotera involves numerous risks.

On December 6, 2016, subsequent to the end of our first quarter of 2017, we acquired the 67% interest in Inotera not owned by us for an aggregate of \$4.1 billion in cash (the "Inotera Acquisition"), funded with 80 billion New Taiwan dollars (equivalent to \$2.5 billion) of proceeds from the 2021 Term Loan, \$981 million of proceeds from the sale of shares of our common stock to Nanya, and cash on hand. Prior to December 6, 2016, we held a 33% ownership interest in Inotera, Nanya and certain of its affiliates held a 32% ownership interest, and the remaining ownership interest was publicly held.

In addition to the acquisition risks described elsewhere, the acquisition is expected to involve the following significant risks:

- we may be unable to realize the anticipated financial benefits of the acquisition;
- increased exposure to the DRAM market, which experienced significant declines in pricing during 2015 and 2016;
- increased leverage resulting from the transaction;
- higher capital expenditures in future periods;

- increased exposure to operating costs denominated in New Taiwan dollars;
- changed relationship with Nanya and its affiliated companies;
- effectiveness of internal controls and disclosure controls and procedures;
  - effectiveness of environmental, health and safety, anti-corruption, human resource, or other policies or practices;
- integration issues with Inotera's manufacturing operations in Taiwan; and
- integration of business systems and processes.

Our acquisition of the remaining shares of Inotera is inherently risky and may materially adversely affect our business, results of operations, or financial condition. (See "Part I Financial Information – Item 1. Financial Statements – Notes to Consolidated Financial Statements – Acquisition of Inotera.")

Our future success depends on our ability to develop and produce competitive new memory technologies.

Our key semiconductor memory technologies of DRAM and NAND Flash face technological barriers to continue to meet long-term customer needs. These barriers include potential limitations on the ability to shrink products in order to reduce costs, meet higher density requirements, and improve power consumption and reliability. To meet these requirements, we expect that new memory technologies will be developed by the semiconductor memory industry. Our competitors are working to develop new memory technologies that may offer performance and cost advantages to our existing memory technologies and render existing technologies obsolete. Accordingly, our future success may depend on our ability to develop and produce viable and competitive new memory technologies. There can be no assurance of the following:

- that we will be successful in developing competitive new semiconductor memory technologies;
- that we will be able to cost-effectively manufacture new products;
- that we will be able to successfully market these technologies; and
- that margins generated from sales of these products will allow us to recover costs of development efforts.

In 2015, we announced the development of new 3D XPoint technology, which is an entirely new class of non-volatile memory. There is no assurance that our efforts to develop and market this new product technology will be successful. If our efforts to develop new semiconductor memory technologies are unsuccessful, our business, results of operations, or financial condition may be materially adversely affected.

New product development may be unsuccessful.

We are developing new products, including system-level memory products, which complement our traditional memory products or leverage their underlying design or process technology. We have made significant investments in product and process technologies and anticipate expending significant resources for new semiconductor product development over the next several years. The process to develop DRAM, NAND Flash, and certain specialty memory products, requires us to demonstrate advanced functionality and performance, many times well in advance of a planned ramp of production, in order to secure design wins with our customers. There can be no assurance of the following:

- that our product development efforts will be successful;
- that we will be able to cost-effectively manufacture new products;
- that we will be able to successfully market these products;
- that we will be able to qualify new products with our customers on a timely basis; or
- that margins generated from sales of these products will allow us to recover costs of development efforts.

If our efforts to develop new products are unsuccessful, our business, results of operations, or financial condition may be materially adversely affected.

Products that fail to meet specifications, are defective, or that are otherwise incompatible with end uses could impose significant costs on us.

Products that do not meet specifications or that contain, or are perceived by our customers to contain, defects or that are otherwise incompatible with end uses could impose significant costs on us or otherwise materially adversely affect our business, results of operations, or financial condition. From time to time we experience problems with nonconforming, defective or incompatible products after we have shipped such products. In recent periods we have further diversified and expanded our product offerings, which could potentially increase the chance that one or more of our products could fail to meet specifications in a particular application. As a result of these problems, we could be

adversely affected in several ways, including the following:

- we may be required to compensate customers for costs incurred or damages caused by defective or incompatible product and to replace products;
- we could incur a decrease in revenue or adjustment to pricing commensurate with the reimbursement of such costs or alleged damages; and
- we may encounter adverse publicity, which could cause a decrease in sales of our products.

A determination that our products or manufacturing processes infringe the intellectual property rights of others or entering into a license agreement covering such intellectual property could materially adversely affect our business, results of operations, or financial condition.

As is typical in the semiconductor and other high technology industries, from time to time others have asserted, and may in the future assert, that our products or manufacturing processes infringe their intellectual property rights. We are unable to predict the outcome of assertions of infringement made against us. A determination that our products or manufacturing processes infringe the intellectual property rights of others, or entering a license agreement covering such intellectual property, could result in significant liability and/or require us to make material changes to our products and/or manufacturing processes. Any of the foregoing results could have a material adverse effect on our business, results of operations, or financial condition. (See "Part I. Financial Information – Item 1. Financial Statements – Notes to Consolidated Financial Statements – Contingencies.")

We have a number of intellectual property license agreements. Some of these license agreements require us to make one-time or periodic payments. We may need to obtain additional patent licenses or renew existing license agreements in the future. We are unable to predict whether these license agreements can be obtained or renewed on acceptable terms.

The acquisition of our ownership interest in Inotera from Qimonda has been challenged by the administrator of the insolvency proceedings for Qimonda.

On January 20, 2011, Dr. Michael Jaffé, administrator for Qimonda insolvency proceedings, filed suit against Micron and Micron Semiconductor B.V., our Netherlands subsidiary ("Micron B.V."), in the District Court of Munich, Civil Chamber. The complaint seeks to void under Section 133 of the German Insolvency Act a share purchase agreement between Micron B.V. and Qimonda signed in fall 2008 pursuant to which Micron B.V. purchased substantially all of Qimonda's shares of Inotera Memories, Inc. (the "Inotera Shares"), representing approximately 18% of Inotera's outstanding shares as of December 1, 2016, and seeks an order requiring us to re-transfer those shares to the Qimonda estate. The complaint also seeks, among other things, to recover damages for the alleged value of the joint venture relationship with Inotera and to terminate under Sections 103 or 133 of the German Insolvency Code a patent cross-license between us and Qimonda entered into at the same time as the share purchase agreement.

Following a series of hearings with pleadings, arguments, and witnesses on behalf of the Qimonda estate, on March 13, 2014, the Court issued judgments: (1) ordering Micron B.V. to pay approximately \$1 million in respect of certain Inotera shares sold in connection with the original share purchase; (2) ordering Micron B.V. to disclose certain information with respect to any Inotera Shares sold by it to third parties; (3) ordering Micron B.V. to disclose the benefits derived by it from ownership of the Inotera Shares, including in particular, any profits distributed on such shares and all other benefits; (4) denying Qimonda's claims against Micron for any damages relating to the joint venture relationship with Inotera; and (5) determining that Qimonda's obligations under the patent cross-license agreement are canceled. In addition, the Court issued interlocutory judgments ordering, among other things: (1) that Micron B.V. transfer to the Qimonda estate the Inotera Shares still owned by it and pay to the Qimonda estate compensation in an amount to be specified for any Inotera Shares sold to third parties; and (2) that Micron B.V. pay the Qimonda estate as compensation an amount to be specified for benefits derived by it from ownership of the Inotera Shares. The interlocutory judgments have no immediate, enforceable effect on us, and, accordingly, we expect to be able to continue to operate with full control of the Inotera Shares subject to further developments in the case. We have filed a notice of appeal, and the parties have submitted briefs to the appeals court.

We are unable to predict the outcome of the matter and therefore cannot estimate the range of possible loss. The final resolution of this lawsuit could result in the loss of the Inotera Shares or monetary damages, unspecified damages based on the benefits derived by Micron B.V. from the ownership of the Inotera Shares, and/or the termination of the

patent cross-license, which could have a material adverse effect on our business, results of operation, or financial condition.

Our joint ventures and strategic relationships involve numerous risks.

We have entered into strategic relationships, including our IMFT joint venture with Intel, to manufacture products and develop new manufacturing process technologies and products. These joint ventures and strategic relationships are subject to various risks that could adversely affect the value of our investments and our results of operations. These risks include the following:

- our interests could diverge from our partners or we may not be able to agree with partners on ongoing manufacturing and operational activities, or on the amount, timing, or nature of further investments in our joint venture;
- our joint venture partners' products may compete with our products;



- we may experience difficulties in transferring technology to joint ventures;
- we may experience difficulties and delays in ramping production at joint ventures;
- our control over the operations of our joint ventures is limited;
- we may recognize losses from our equity method investments;
- due to financial constraints, our joint venture partners may be unable to meet their commitments to us or our joint ventures and may pose credit risks for our transactions with them;
- due to differing business models or long-term business goals, we and our partners may not participate to the same extent on funding capital investments in our joint ventures;
- cash flows may be inadequate to fund increased capital requirements;
- we may experience difficulties or delays in collecting amounts due to us from our joint ventures and partners;
- the terms of our partnering arrangements may turn out to be unfavorable;
- and
- changes in tax, legal, or regulatory requirements may necessitate changes in the agreements with our partners.

If our joint ventures and strategic relationships are unsuccessful, our business, results of operations, or financial condition may be materially adversely affected.

If our manufacturing process is disrupted, our business, results of operations, or financial condition could be materially adversely affected.

We manufacture products using highly complex processes that require technologically advanced equipment and continuous modification to improve yields and performance. Difficulties in the manufacturing process or the effects from a shift in product mix can reduce yields or disrupt production and may increase our per gigabit manufacturing costs. We maintain operations and continuously implement new product and process technology at our manufacturing operations which are widely dispersed in multiple locations in several countries including the U.S., Singapore, Taiwan, Japan, Malaysia, and China. Additionally, our control over operations at IMFT and Tera Probe is limited by our agreements with our partners. From time to time, we have experienced disruptions in our manufacturing process as a result of power outages, improperly functioning equipment, equipment failures, earthquakes, or other environmental events. If production at a fabrication facility is disrupted for any reason, manufacturing yields may be adversely affected or we may be unable to meet our customers' requirements and they may purchase products from other suppliers. This could result in a significant increase in manufacturing costs, loss of revenues, or damage to customer relationships, any of which could materially adversely affect our business, results of operations, or financial condition.

We may incur additional restructure charges in future periods.

In the fourth quarter of 2016, we initiated a restructure plan in response to business conditions and the need to accelerate focus on our key priorities (the "2016 Restructuring Plan"). The 2016 Restructuring Plan includes the elimination of certain projects and programs, the permanent closure of a number of open headcount requisitions, workforce reductions in certain areas of the business, and other non-headcount related spending reductions. In connection with the plan, we incurred charges of \$29 million in the first quarter of 2017 and \$58 million in the fourth quarter of 2016 and do not expect to incur additional material charges. As of December 1, 2016 and September 1, 2016, we had accrued liabilities of \$17 million and \$24 million, respectively, related to the 2016 Restructuring Plan.

We may not realize the expected savings or other benefits from our restructure plans and may also incur additional restructure charges or other losses associated with other initiatives in future periods. In connection with those initiatives, we could incur restructure charges, loss of production output, loss of key personnel, disruptions in our operations, and difficulties in the timely delivery of products, which could materially adversely affect our business, results of operations, or financial condition.

The operations of the MMJ Companies are subject to continued oversight by the Japan Court during the pendency of the corporate reorganization proceedings.

Because the plans of reorganization of the MMJ Companies provide for ongoing payments to creditors following the closing of our acquisition of MMJ, the Japan Proceedings are continuing, and the MMJ Companies remain subject to the oversight of the Japan Court and of the trustees (including a trustee designated by us, who we refer to as the business trustee, and a trustee designated by the Japan Court, who we refer to as the legal trustee), pending completion of the Japan Proceedings. The Japan Proceedings and oversight of the Japan Court are expected to continue until the final creditor payment is made under the MMJ Companies' plans of reorganization, which is scheduled to occur in December 2019, but may occur on a later date to the extent any claims of creditors remain unfixed on the final scheduled installment payment date. Although we may be able to

petition the court to terminate the Japan Proceedings once two-thirds of all payments under the plans of reorganization are made, there can be no assurance that the Japan Court will grant any such petition.

During the pendency of the Japan Proceedings, the MMJ Companies are obligated to provide periodic financial reports to the Japan Court and may be required to obtain the consent of the Japan Court prior to taking a number of significant actions relating to their businesses, including transferring or disposing of, or acquiring, certain material assets, incurring or guaranteeing material indebtedness, settling disputes, or entering into certain material agreements. The consent of the legal trustee may also be required for matters that would likely have a material impact on the operations or assets of the MMJ Companies and their subsidiaries or for transfers of material assets, to the extent the matters or transfers would reasonably be expected to materially and adversely affect execution of the plans of reorganization of the MMJ Companies. Accordingly, during the pendency of the Japan Proceedings, our ability to effectively operate the MMJ Companies as part of our global operations or to cause the MMJ Companies to take certain actions that we deem advisable for their businesses could be adversely affected if the Japan Court or the legal trustee is unwilling to consent to various actions that we may wish to take with respect to the MMJ Companies.

Changes in foreign currency exchange rates could materially adversely affect our business, results of operations, or financial condition.

Across our global operations, significant transactions and balances are denominated in currencies other than the U.S. dollar (our reporting currency), primarily the euro, Singapore dollar, New Taiwan dollar, and yen. We recorded net losses from changes in currency exchange rates of \$12 million for the first quarter of 2017, \$24 million for 2016, and \$27 million for 2015. Based on our foreign currency balances of monetary assets and liabilities as of December 1, 2016 and after giving effect to the 80 billion New Taiwan dollars we drew on the 2021 Term Loan on December 6, 2016 and the use of cash to fund the Inotera Acquisition, we estimate that a 10% adverse change in exchange rates versus the U.S. dollar would result in losses of approximately \$462 million. Although we hedge our exposure to changes in currency exchange rates from our monetary assets and liabilities by hedging our primary currency exposures with currency forward contracts, the effectiveness of these hedges is dependent upon our ability to accurately forecast our monetary assets and liabilities. In addition, a significant portion of our manufacturing costs are denominated in foreign currencies. Exchange rates for some of these currencies against the U.S. dollar, particularly the yen, have been volatile in recent periods. If these currencies strengthen against the U.S. dollar, our manufacturing costs could significantly increase. In the event that exchange rates for the U.S. dollar adversely change against our foreign currency exposures, our results of operations or financial condition may be adversely affected. In addition, in connection with Inotera Acquisition, our exposure to changes in foreign currency exchange rates could increase if not offset by corresponding hedges.

We may make future acquisitions and/or alliances, which involve numerous risks.

Acquisitions and the formation or operation of alliances, such as joint ventures and other partnering arrangements, involve numerous risks including the following:

- integrating the operations, technologies, and products of acquired or newly formed entities into our operations;
- increasing capital expenditures to upgrade and maintain facilities;
- increased debt levels;
- the assumption of unknown or underestimated liabilities;
- the use of cash to finance a transaction, which may reduce the availability of cash to fund working capital, capital expenditures, R&D expenditures, and other business activities;
- diverting management's attention from daily operations;
- managing larger or more complex operations and facilities and employees in separate and diverse geographic areas;
- hiring and retaining key employees;

requirements imposed by governmental authorities in connection with the regulatory review of a transaction, which may include, among other things, divestitures or restrictions on the conduct of our business or the acquired business; inability to realize synergies or other expected benefits; failure to maintain customer, vendor, and other relationships; inadequacy or ineffectiveness of an acquired company's internal financial controls, disclosure controls and procedures, and/or environmental, health and safety, anti-corruption, human resource, or other policies or practices; and impairment of acquired intangible assets and goodwill as a result of changing business conditions, technological advancements, or worse-than-expected performance of the acquired business.

In previous years, supply of memory products has significantly exceeded customer demand, resulting in significant declines in average selling prices for DRAM, NAND Flash, and NOR Flash products. Resulting operating losses have led to the

deterioration in the financial condition of a number of industry participants, including the liquidation of Qimonda and the 2012 bankruptcy filing by Elpida (now known as MMJ). These types of proceedings often lead to court-directed processes involving the sale of related businesses or assets. We believe the global memory industry is experiencing a period of consolidation as a result of these market conditions and other factors, and we may engage in discussions regarding potential acquisitions and similar opportunities arising out of these industry conditions. To the extent we are successful in completing any such transactions, we could be subject to some or all of the risks described above, including the risks pertaining to funding, assumption of liabilities, integration challenges, and increases in debt that may accompany such transactions. Acquisitions of, or alliances with, high-technology companies are inherently risky and may not be successful and may materially adversely affect our business, results of operations, or financial condition.

Breaches of our security systems could expose us to losses.

We maintain a system of controls over the physical security of our facilities. We also manage and store various proprietary information and sensitive or confidential data relating to our operations. In addition, we process, store, and transmit large amounts of data relating to our customers and employees, including sensitive personal information. Unauthorized persons or employees may gain access to our facilities or network systems to steal trade secrets or other proprietary information, compromise confidential information, create system disruptions, or cause shutdowns. These parties may also be able to develop and deploy viruses, worms, and other malicious software programs that disrupt our operations and create security vulnerabilities. Breaches of our physical security and attacks on our network systems could result in significant losses and damage our reputation with customers and suppliers and could expose us to litigation if the confidential information of our customers, suppliers, or employees is compromised.

Compliance with regulations regarding the use of conflict minerals could limit the supply and increase the cost of certain metals used in manufacturing our products.

Increased focus on environmental protection and social responsibility initiatives led to the passage of Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010 (the "Dodd-Frank Act") and its implementing Securities and Exchange Commission regulations. The Dodd-Frank Act imposes supply chain diligence and disclosure requirements for certain manufacturers of products containing specific minerals that may originate in or near the Democratic Republic of the Congo (the "DRC") and finance or benefit local armed groups. These "conflict minerals" are commonly found in materials used in the manufacture of semiconductors. The implementation of these new regulations may limit the sourcing and availability of some of these materials. This in turn may affect our ability to obtain materials necessary for the manufacture of our products in sufficient quantities and may affect related material pricing. Some of our customers may elect to disqualify us as a supplier or reduce purchases from us if we are unable to verify that our products are DRC conflict free.

We are subject to a variety of laws and regulations that may result in additional costs and liabilities.

The manufacturing of our products requires the use of facilities, equipment, and materials that are subject to a broad array of laws and regulations in numerous jurisdictions in which we operate. Additionally, we are subject to a variety of other laws and regulations relative to the construction, maintenance, and operations of our facilities. Any of these laws or regulations could cause us to incur additional direct costs, as well as increased indirect costs related to our relationships with our customers and suppliers, and otherwise harm our operations and financial condition. Any failure to comply with these laws or regulations could adversely impact our reputation and our financial results. Additionally, we partner with other companies in our joint ventures, which are also subject to a broad array of laws and regulations. Our ownership in these joint ventures may also expose us to risks associated with their respective compliance with these laws and regulations. Our failure, or the failure of our joint ventures, to comply with these laws and regulations could result in:

- suspension of production;
- remediation costs;
- alteration of our manufacturing processes;
- regulatory penalties, fines, and legal liabilities; and
- reputational challenges.

We may incur additional tax expense or become subject to additional tax exposure.

We operate in a number of locations outside the U.S., including Singapore, where we have tax incentive arrangements that are conditional, in part, upon meeting certain business operations and employment thresholds. Our domestic and international taxes are dependent upon the distribution of our earnings among these different jurisdictions. Our provision for income taxes and cash tax liabilities in the future could be adversely affected by numerous factors, including challenges by tax authorities to

our tax structure and intercompany transfer pricing agreements, income before taxes being lower than anticipated in countries with lower statutory tax rates and higher than anticipated in countries with higher statutory tax rates, changes in the valuation of deferred tax assets and liabilities, failure to meet performance obligations with respect to tax incentive agreements, and changes in tax laws and regulations. We file income tax returns with the U.S. federal government, various U.S. states, and various other jurisdictions throughout the world. Our U.S. federal and state tax returns remain open to examination for 2012 through 2016. In addition, tax returns remain open to examination in Singapore, Japan, and Taiwan range from the years 2011 to 2016. The results of audits and examinations of previously filed tax returns and continuing assessments of our tax exposures may have an adverse effect on our provision for income taxes and cash tax liability.

We may not utilize all of our net deferred tax assets.

We have substantial deferred tax assets, which include, among others, net operating loss and credit carryforwards. As of September 1, 2016, our U.S. federal and state net operating loss carryforwards, including uncertain tax benefits, were \$3.90 billion and \$1.94 billion, respectively, which, if not utilized, will expire at various dates from 2017 through 2036. As of September 1, 2016, our foreign net operating loss carryforwards were \$6.04 billion, including \$4.28 billion pertaining to Japan, which will, if not utilized, substantially all expire at various dates from 2019 through 2025. As of September 1, 2016, we had valuation allowances of \$1.16 billion and \$765 million against our net deferred tax assets in the U.S. and Japan, respectively.

A change in ownership may limit our ability to utilize our net operating loss carryforwards.

If we experience a 50% or greater change in ownership involving shareholders owning 5% or more of our stock, it could adversely impact our ability to utilize our existing net operating loss and credit carryforwards. The inability to utilize existing net operating loss and credit carryforwards would significantly increase the amount of our annual cash taxes reducing the overall amount of cash available to be used in other areas of the business.

On July 20, 2016, our board of directors adopted a Section 382 Rights Agreement (the "Rights Agreement"), under which our shareholders of record as of the close of business on August 1, 2016 received one right for each share of common stock outstanding. The Rights Agreement is intended to avoid an ownership change, as defined by Section 382 of the Internal Revenue Code of 1986, as amended, and thereby preserve our current ability to utilize certain net operating loss and credit carryforwards. In general, an ownership change will occur when the percentage of our ownership by one or more 5% shareholders has increased by more than 50% at any time during the prior three years. Pursuant to the Rights Agreement, if a shareholder (or group) acquires beneficial ownership of 4.99% or more of the outstanding shares of our common stock without prior approval of our Board of Directors or without meeting certain customary exceptions, the rights would become exercisable and entitle shareholders (other than the acquiring shareholder or group) to purchase additional shares of our common stock at a significant discount and result in significant dilution in the economic interest and voting power of acquiring shareholder or group. Although the Rights Agreement is intended to reduce the likelihood of an ownership change that could adversely affect us, there is no assurance that the Rights Agreement will prevent all transfers that could result in such an ownership change. The Rights Agreement is subject to shareholder approval at the Company's Fiscal 2016 Annual Meeting of Shareholders to be held on January 18, 2017. If not approved by the shareholders, the Rights Agreement will terminate on July 19, 2017.

The limited availability of raw materials, supplies, or capital equipment could materially adversely affect our business, results of operations, or financial condition.

Our operations require raw materials and in certain cases, third party services, that meet exacting standards. We generally have multiple sources of supply for our raw materials and services. However, only a limited number of

suppliers are capable of delivering certain raw materials and services that meet our standards. In some cases, materials, components, or services are provided by a single supplier. Various factors could reduce the availability of raw materials or components such as silicon wafers, controllers, photomasks, chemicals, gases, photoresist, lead frames, and molding compound. Shortages may occur from time to time in the future. We and/or our suppliers could be affected by laws and regulations enacted in response to concerns regarding climate change, which could increase the cost and limit the supply of our raw materials. In addition, disruptions in transportation lines could delay our receipt of raw materials. Lead times for the supply of raw materials have been extended in the past. If our supply of raw materials or services is disrupted or our lead times extended, our business, results of operations, or financial condition could be materially adversely affected.

Our operations are dependent on our ability to procure advanced semiconductor manufacturing equipment that enables the transition to lower cost manufacturing processes. For certain key types of equipment, including photolithography tools, we are sometimes dependent on a single supplier. From time to time we have experienced difficulties in obtaining some equipment on a timely basis due to the supplier's limited capacity. Our inability to obtain this equipment timely could adversely affect our



ability to transition to next generation manufacturing processes and reduce costs. Delays in obtaining equipment could also impede our ability to ramp production at new facilities and increase our overall costs of the ramp. If we are unable to obtain advanced semiconductor manufacturing equipment in a timely manner, our business, results of operations, or financial condition could be materially adversely affected.

A downturn in the worldwide economy may harm our business.

Downturns in the worldwide economy have harmed our business in the past and future downturns could also adversely affect our business. Adverse economic conditions affect demand for devices that incorporate our products, such as personal computers, mobile devices, SSDs, and servers. Reduced demand for these products could result in significant decreases in our average selling prices and product sales. A deterioration of current conditions in worldwide credit markets could limit our ability to obtain external financing to fund our operations and capital expenditures. In addition, we may experience losses on our holdings of cash and investments due to failures of financial institutions and other parties. Difficult economic conditions may also result in a higher rate of loss on our accounts receivables due to credit defaults. As a result, our business, results of operations, or financial condition could be materially adversely affected.

Our results of operations could be affected by natural disasters and other events in the locations in which we or our customers or suppliers operate.

We have manufacturing and other operations in locations subject to natural occurrences such as severe weather and geological events including earthquakes or tsunamis that could disrupt operations. In addition, our suppliers and customers also have operations in such locations. A natural disaster, fire, explosion, or other event that results in a prolonged disruption to our operations, or the operations of our customers or suppliers, may materially adversely affect our business, results of operations, or financial condition.

We face risks associated with our international sales and operations that could materially adversely affect our business, results of operations, or financial condition.

Sales to customers outside the United States approximated 84% of our consolidated net sales for 2016. In addition, a substantial portion of our manufacturing operations are located outside the United States. In particular, a significant portion of our manufacturing operations are concentrated in Singapore, Taiwan, and Japan. Our international sales and operations are subject to a variety of risks, including:

- export and import duties, changes to import and export regulations, customs regulations and processes, and restrictions on the transfer of funds;
- compliance with U.S. and international laws involving international operations, including the Foreign Corrupt Practices Act, export and import laws, and similar rules and regulations;
- theft of intellectual property;
- political and economic instability;
- problems with the transportation or delivery of our products;
- issues arising from cultural or language differences and labor unrest;
- longer payment cycles and greater difficulty in collecting accounts receivable;
- compliance with trade, technical standards, and other laws in a variety of jurisdictions;
- contractual and regulatory limitations on our ability to maintain flexibility with our staffing levels;
- disruptions to our manufacturing operations as a result of actions imposed by foreign governments;
- changes in economic policies of foreign governments; and
- difficulties in staffing and managing international operations.

These factors may materially adversely affect our business, results of operations, or financial condition.

We are subject to counterparty default risks.

We have numerous arrangements with financial institutions that subject us to counterparty default risks, including cash deposits, investments, capped-call contracts on our stock, and derivative instruments. As a result, we are subject to the risk that the counterparty to one or more of these arrangements will default on its performance obligations. A counterparty may not comply with their contractual commitments which could then lead to their defaulting on their obligations with little or no notice to us, which could limit our ability to take action to mitigate our exposure. Additionally, our ability to mitigate our exposures may be constrained by the terms of our contractual arrangements or because market conditions prevent us from taking effective

action. If one of our counterparties becomes insolvent or files for bankruptcy, our ability to recover any losses suffered as a result of that counterparty's default may be limited by the liquidity of the counterparty or the applicable laws governing the bankruptcy proceeding. In the event of such default, we could incur significant losses, which could adversely impact our business, results of operations, or financial condition.

## ITEM 2. UNREGISTERED SALE OF EQUITY SECURITIES AND USE OF PROCEEDS

Our Board of Directors has authorized the discretionary repurchase of up to \$1.25 billion of our outstanding common stock, which may be made in open-market purchases, block trades, privately-negotiated transactions, or derivative transactions. Through the first quarter of 2017, we had repurchased a total of 49 million shares for \$956 million through open-market transactions pursuant to such authorization, which were recorded as treasury stock. Repurchases are subject to market conditions and our ongoing determination of the best use of available cash.

Period	(a) Total number of shares purchased	(b) Average price paid per share	(c) Total number of shares (or units) purchased as part of publicly announced plans or programs	(d) Maximum number (or approximate dollar value) of shares (or units) that may yet be purchased under the plans or programs
September 2, 2016 –October 6, 2016	—	\$	—	\$294,184,917
October 7, 2016 –November 3, 2016	—	—	—	294,184,917
November 4, 2016 –December 1, 2016	—	—	—	294,184,917
	—	—	—	

Shares of common stock withheld as payment of withholding taxes and exercise prices in connection with the vesting or exercise of equity awards are also treated as common stock repurchases. Those withheld shares of common stock are not considered common stock repurchases under an authorized common stock repurchase plan and accordingly are excluded from the above table.

ITEM 6. EXHIBITS

The following documents are filed as part of this report:

Exhibit Number	Description of Exhibit
10.63	English translation of Syndicated Loan Agreement dated October 11, 2016, as Amended on November 23, 2016 by and among Inotera Memories, Inc., Micron Semiconductor Taiwan Co., Ltd., certain financial institutions party thereto and Bank of Taiwan, as Facility Agent and Mega International Commercial Bank Co., Ltd., as Collateral Agent
10.64	Deferred Compensation Plan
10.65	First Amendment to the Credit Agreement, dated April 26, 2016, by and among Micron Technology, Inc., as borrower, Morgan Stanley Senior Funding, Inc. as administrative agent and collateral agent, and the other agents party thereto and each financial institution party from time to time thereto
10.66	English translation of Facility Agreement dated November 18, 2016, by and among Micron Semiconductor Asia Capital II Pte. Ltd., certain financial institutions party thereto and DBS Bank Ltd., as Facility Agent, Security Agent and Account Bank
31.1	Rule 13a-14(a) Certification of Chief Executive Officer
31.2	Rule 13a-14(a) Certification of Chief Financial Officer
32.1	Certification of Chief Executive Officer Pursuant to 18 U.S.C. 1350
32.2	Certification of Chief Financial Officer Pursuant to 18 U.S.C. 1350
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

SIGNATURES

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.

Micron Technology, Inc.  
(Registrant)

Date: January 9, 2017 /s/ Ernest E. Maddock  
Ernest E. Maddock  
Chief Financial Officer and Vice President, Finance  
(Principal Financial and Accounting Officer)