
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 **October 29, 2017**
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 **1-6395**

SEMTECH CORPORATION

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

95-2119684
(I.R.S. Employer
Identification No.)

200 Flynn Road, Camarillo, California, 93012-8790
(Address of principal executive offices, Zip Code)

Registrant's telephone number, including area code: (805) 498-2111

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 Web site, 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, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/> (Do not check if a smaller reporting company)	Smaller reporting company	<input type="checkbox"/>
Emerging growth company	<input type="checkbox"/>		

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

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

Number of shares of Common Stock, \$0.01 par value per share, outstanding at November 24, 2017: 66,358,418

SEMTECH CORPORATION
INDEX TO FORM 10-Q
FOR THE QUARTER ENDED OCTOBER 29, 2017

<u>PART I - FINANCIAL INFORMATION</u>	<u>4</u>
<u>ITEM 1. Financial Statements</u>	<u>6</u>
<u>ITEM 2. Management's Discussion and Analysis of Financial Condition and Results of Operations</u>	<u>32</u>
<u>ITEM 3. Quantitative and Qualitative Disclosures About Market Risk</u>	<u>43</u>
<u>ITEM 4. Controls and Procedures</u>	<u>43</u>
<u>PART II – OTHER INFORMATION</u>	<u>44</u>
<u>ITEM 1. Legal Proceedings</u>	<u>44</u>
<u>ITEM 1A. Risk Factors</u>	<u>44</u>
<u>ITEM 2. Unregistered Sales of Equity Securities and Use of Proceeds</u>	<u>44</u>
<u>ITEM 3. Defaults Upon Senior Securities</u>	<u>44</u>
<u>ITEM 4. Mine Safety Disclosures</u>	<u>44</u>
<u>ITEM 5. Other Information</u>	<u>45</u>
<u>ITEM 6. Exhibits</u>	<u>46</u>

Unless the context otherwise requires, the use of the terms "Semtech," "the Company," "we," "us" and "our" in this Quarterly Report on Form 10-Q refers to Semtech Corporation and its consolidated subsidiaries. This Quarterly Report on Form 10-Q may contain references to the Company's trademarks and to trademarks belonging to other entities. Solely for convenience, trademarks and trade names referred to in this Quarterly Report on Form 10-Q, including logos, artwork and other visual displays, may appear without the ® or TM symbols, but such references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights or the rights of the applicable licensor to these trademarks and trade names. We do not intend our use or display of other companies' trade names or trademarks to imply a relationship with, or endorsement or sponsorship of us by, any other company.

Special Note Regarding Forward-Looking and Cautionary Statements

This Quarterly Report on Form 10-Q contains "forward-looking statements" within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, as amended, based on our current expectations, estimates and projections about our operations, industry, financial condition, performance, results of operations, and liquidity. Forward-looking statements are statements other than historical information or statements of current condition and relate to matters such as future financial performance, future operational performance, the anticipated impact of specific items on future earnings, and our plans, objectives and expectations. Statements containing words such as "may," "believe," "anticipate," "expect," "intend," "plan," "project," "estimate," "should," "will," "designed to," "projections," or "business outlook," or other similar expressions constitute forward-looking statements. Forward-looking statements involve known and unknown risks and uncertainties that could cause actual results and events to differ materially from those projected.

Potential factors that could cause actual results to differ materially from those in the forward-looking statements include, but are not limited to:

- fluctuation in the Company's future results;*
- downturns in the business cycle;*
- reduced demand for the Company's products, including due to global economic conditions and potential changes in economic policy;*
- business interruptions;*
- the Company's reliance on a limited number of suppliers and subcontractors for components and materials;*
- potentially insufficient liability insurance if the Company's products are found to be defective;*
- obsolete inventories as a result of changes in demand and change in life cycles for the Company's products;*
- the Company's inability to successfully develop and sell new products;*
- lengthy and expensive product qualification processes without any assurance of product sales;*
- the Company's products failing to meet industry standards;*
- the Company's inability to protect intellectual property rights;*
- the Company suffering losses if its products infringe the intellectual property rights of others;*
- the Company's need to commit resources to product production prior to receipt of purchase commitments;*
- increased business risk resulting from significant business with foreign customers;*
- the Company's foreign currency exposures;*
- potential increased tax liabilities and effective tax rate if the Company needs to repatriate funds held by foreign subsidiaries;*
- export restrictions and laws affecting the Company's trade and investments;*
- the Company's inability to adequately compete against larger, more established entities;*
- increased competition due to industry consolidation;*
- the loss of any one of the Company's significant customers;*
- volatility of customer demand;*
- termination of a contract by a distributor;*
- the Company's failure to maintain effective internal control over financial reporting and disclosure controls and procedures;*

- *government regulations and other standards, including those that impose operational and reporting requirements;*
- *the Company's failure to comply with applicable environmental regulations;*
- *compliance with conflict minerals regulations;*
- *increase in the Company's cost of doing business as a result of having to comply with the codes of conduct of certain of the Company's customers and suppliers;*
- *changes in tax law, including effective tax rates, and review by taxing authorities;*
- *taxation of Company sales in non-U.S. jurisdictions;*
- *the Company's limited experience with government contracting;*
- *potential government investigations and inquiries;*
- *loss of the Company's key personnel;*
- *risks associated with companies the Company has acquired in the past and may acquire in the future and the Company's ability to successfully integrate acquired businesses and benefit from expected synergies;*
- *the Company may be required to recognize additional impairment charges;*
- *loss of value of investments in entities not under our control;*
- *the Company may not receive accurate, complete or timely financial information from entities for which the Company is required to consolidate such information;*
- *the Company may be adversely affected by new accounting pronouncements;*
- *the Company's ability to generate cash to service its debt obligations;*
- *restrictive covenants in the Company's credit agreement which may restrict its ability to pursue its business strategies;*
- *the Company's reliance on certain critical information systems for the operation of its business;*
- *costs associated with the Company's indemnification of certain customers, distributors and other parties;*
- *the Company's share price could be subject to extreme price fluctuations;*
- *the impact on the Company's common stock price if securities or industry analysts do not publish reports about the Company's business or adversely change their recommendations regarding the Company's common stock;*
- *anti-takeover provisions in the Company's organizational documents could make an acquisition of the Company more difficult; and*
- *the Company is subject to litigation risks which may be costly to defend*

Additionally, forward-looking statements should be considered in conjunction with the cautionary statements contained in this Quarterly Report on Form 10-Q, including, without limitation, information under the captions "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Risk Factors" and additional factors that accompany the related forward-looking statements in this Quarterly Report on Form 10-Q, in our Annual Report on Form 10-K for the fiscal year ended January 29, 2017 including, without limitation information under the caption "Risk Factors", in other filings with the Securities and Exchange Commission ("SEC"), and in material incorporated herein and therein by reference. In light of the significant risks and uncertainties inherent in the forward-looking information included herein that may cause actual performance and results to differ materially from those predicted, any such forward-looking information should not be regarded as representations or guarantees by the Company of future performance or results, or that its objectives or plans will be achieved, or that any of its operating expectations or financial forecasts will be realized. Reported results should not be considered an indication of future performance. Investors are cautioned not to place undue reliance on any forward-looking information contained herein, which reflect management's analysis only as of the date hereof. Except as required by law, the Company assumes no obligation to publicly release the results of any update or revision to any forward-looking statement that may be made to reflect new information, events or circumstances after the date hereof or to reflect the occurrence of unanticipated or future events, or otherwise.

In addition to regarding forward-looking statements with caution, you should consider that the preparation of the consolidated financial statements requires us to draw conclusions and make interpretations, judgments, assumptions and estimates with respect to certain factual, legal, and accounting matters. Our financial statements might have been materially impacted if we had reached different conclusions or made different interpretations, judgments, assumptions or estimates.

PART I - FINANCIAL INFORMATION

ITEM 1. Financial Statements

SEMTECH CORPORATION AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF INCOME
(in thousands, except per share data)
(unaudited)

	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Net sales	\$ 150,304	\$ 137,185	\$ 447,233	\$ 404,241
Cost of sales	60,885	56,120	180,663	162,877
Gross profit	89,419	81,065	266,570	241,364
Operating costs and expenses:				
Selling, general and administrative	36,568	35,116	109,820	101,654
Product development and engineering	27,631	25,600	81,046	77,097
Intangible amortization	7,453	6,286	20,414	19,017
(Gain) loss on disposition of business operations	—	(25,036)	375	(25,036)
Changes in the fair value of contingent earn-out obligations	188	—	188	(162)
Total operating costs and expenses	71,840	41,966	211,843	172,570
Operating income	17,579	39,099	54,727	68,794
Interest expense, net	(2,032)	(1,890)	(6,107)	(5,857)
Non-operating income (expense), net	1,267	(690)	431	(871)
Income before taxes and equity in net losses of equity method investments	16,814	36,519	49,051	62,066
Provision for taxes	3,272	5,743	11,124	15,424
Net income before equity in net losses of equity method investments	13,542	30,776	37,927	46,642
Equity in net losses of equity method investments	(204)	—	(204)	—
Net income	\$ 13,338	\$ 30,776	\$ 37,723	\$ 46,642
Earnings per share:				
Basic	\$ 0.20	\$ 0.47	\$ 0.57	\$ 0.71
Diluted	\$ 0.20	\$ 0.46	\$ 0.56	\$ 0.71
Weighted average number of shares used in computing earnings per share:				
Basic	66,194	65,549	65,932	65,331
Diluted	67,817	66,206	67,555	65,899

The accompanying notes are an integral part of these unaudited consolidated financial statements.

SEMTECH CORPORATION AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME
(in thousands)
(unaudited)

	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Net income	\$ 13,338	\$ 30,776	\$ 37,723	\$ 46,642
Other comprehensive income, net:				
Unrealized (loss) gain on foreign currency cash flow hedges	(144)	(422)	865	321
Realized gain on foreign currency cash flow hedges	(509)	(88)	(772)	(546)
Unrealized gain on convertible debt	—	—	750	—
Release of realized gain on convertible debt	—	—	(750)	—
Change in unrealized gain on interest rate cap	—	(37)	—	48
Change in employee benefit plans	22	(3,429)	65	(3,429)
Other changes to comprehensive income	—	129	—	129
Other comprehensive (loss) income, net	(631)	(3,847)	158	(3,477)
Comprehensive income	\$ 12,707	\$ 26,929	\$ 37,881	\$ 43,165

The accompanying notes are an integral part of these unaudited consolidated financial statements.

SEMTECH CORPORATION AND SUBSIDIARIES
CONSOLIDATED BALANCE SHEETS
(in thousands, except share data)
(unaudited)

	October 29, 2017	January 29, 2017
Assets		
Current assets:		
Cash and cash equivalents	\$ 291,125	\$ 297,134
Accounts receivable, less allowances of \$9,041 and \$8,230, respectively	66,456	51,441
Inventories	71,249	65,872
Prepaid taxes	5,274	5,563
Other current assets	15,741	18,418
Total current assets	449,845	438,428
Non-current assets:		
Property, plant and equipment, net of accumulated depreciation of \$173,999 and \$161,236, respectively	123,360	108,910
Deferred tax assets	5,848	5,493
Goodwill	341,890	329,703
Other intangible assets, net	67,660	61,773
Other assets	82,354	67,235
TOTAL ASSETS	\$ 1,070,957	\$ 1,011,542
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	\$ 39,832	\$ 41,960
Accrued liabilities	51,398	54,524
Deferred revenue	12,729	12,059
Current portion - long-term debt	14,462	14,432
Total current liabilities	118,421	122,975
Non-current liabilities:		
Deferred tax liabilities	8,687	6,881
Long term debt, less current portion	215,674	226,524
Other long-term liabilities	63,516	49,899
Commitments and contingencies (Note 12)		
Stockholders' equity:		
Common stock, \$0.01 par value, 250,000,000 shares authorized, 78,136,144 issued and 66,312,459 outstanding and 78,136,144 issued and 65,793,083 outstanding, respectively	785	785
Treasury stock, at cost, 11,823,685 shares and 12,343,061 shares, respectively	(249,198)	(253,107)
Additional paid-in capital	410,566	390,938
Retained earnings	503,642	467,941
Accumulated other comprehensive loss	(1,136)	(1,294)
Total stockholders' equity	664,659	605,263
TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY	\$ 1,070,957	\$ 1,011,542

The accompanying notes are an integral part of these unaudited consolidated financial statements.

SEMTECH CORPORATION AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF CASH FLOWS
(in thousands)
(unaudited)

	Nine Months Ended	
	October 29, 2017	October 30, 2016
Cash flows from operating activities:		
Net income	\$ 37,723	\$ 46,642
<i>Adjustments to reconcile net income to net cash provided by operating activities:</i>		
Depreciation and amortization	35,794	35,506
Impairment of assets	4,250	—
Accretion of deferred financing costs and debt discount	430	492
Deferred income taxes	5,508	15,659
Share-based compensation and warrant costs	44,166	21,198
Loss (gain) on disposition of business operations and assets	283	(24,988)
Earn-out liabilities	188	(162)
Equity in net losses of equity method investments	204	—
Gain from convertible debt settlement	(4,275)	—
Contingencies	—	(68)
Corporate owned life insurance, net	843	436
<i>Changes in assets and liabilities:</i>		
Accounts receivable, net	(14,726)	(15,994)
Inventories	(5,697)	1,302
Other assets	(2,618)	(10,298)
Accounts payable	(6,683)	6,775
Accrued liabilities	(7,808)	8,885
Deferred revenue	(55)	3,300
Income taxes payable	(17,520)	(7,875)
Other liabilities	2,843	3,884
Net cash provided by operating activities	72,850	84,694
Cash flows from investing activities:		
Proceeds from convertible debt settlement	5,700	—
Proceeds from sales of property, plant and equipment	180	—
Purchase of property, plant and equipment	(26,818)	(13,754)
Purchase of investments	(13,337)	(3,248)
Acquisition, net of cash acquired	(17,619)	—
Proceeds from disposition of business operations	—	32,045
Proceeds from sale of investments	—	555
Net cash (used in) provided by investing activities	(51,894)	15,598
Cash flows from financing activities:		
Payments of term loans	(11,250)	(9,374)
Payment for employee share-based compensation payroll taxes	(10,661)	(5,928)
Proceeds from exercise of stock options	5,340	1,678
Repurchase of outstanding common stock	(10,394)	(539)
Net cash used in financing activities	(26,965)	(14,163)
Net (decrease) increase in cash and cash equivalents	(6,009)	86,129
Cash and cash equivalents at beginning of period	297,134	211,810
Cash and cash equivalents at end of period	\$ 291,125	\$ 297,939
Supplemental disclosure of cash flow information		
Income taxes paid	\$ 24,632	\$ 5,067
Interest paid	\$ 5,197	\$ 4,400
Non-cash items		
Capital expenditures in accounts payable	\$ 4,417	\$ 1,670
Convertible debt	\$ —	\$ 1,425

The accompanying notes are an integral part of these unaudited consolidated financial statements.

SEMTECH CORPORATION AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
(Unaudited)

Note 1: Organization and Basis of Presentation

Nature of Business

Semtech Corporation (together with its consolidated subsidiaries, the "Company" or "Semtech") is a global supplier of high performance analog, mixed-signal semiconductors and advanced algorithms. The end customers for the Company's products are primarily original equipment manufacturers ("OEMs") that produce and sell electronics.

The Company designs, develops and markets a wide range of products for commercial applications, the majority of which are sold into the enterprise computing, communications, high-end consumer and industrial end-markets.

Enterprise Computing: datacenters, passive optical networks, desktops, notebooks, servers, monitors, printers and other computer peripherals.

Communications: base stations, optical networks, carrier networks, switches and routers, cable modems, wireless LAN and other communication infrastructure equipment.

High-End Consumer: handheld products, smartphones, wireless charging, set-top boxes, digital televisions, monitors and displays, tablets, wearables, digital video recorders and other consumer equipment.

Industrial: analog and digital video broadcast equipment, automated meter reading, Internet of Things ("IoT"), smart grid, wireless charging, military and aerospace, medical, security systems, automotive, industrial and home automation and other industrial equipment.

Fiscal Year

The Company reports results on the basis of 52 and 53 week periods and ends its fiscal year on the last Sunday in January. The other quarters generally end on the last Sunday of April, July and October. All quarters consist of 13 weeks except for one 14-week period in the fourth quarter of 53-week years. The third quarter of fiscal years 2018 and 2017 each consisted of 13 weeks.

Principles of Consolidation

The accompanying interim unaudited consolidated financial statements have been prepared by the Company, in accordance with accounting principles generally accepted in the United States ("GAAP") and on the same basis as the audited consolidated financial statements included in the Company's Annual Report on Form 10-K for the year ended January 29, 2017. In the opinion of the Company, these interim unaudited consolidated financial statements contain all adjustments (consisting of normal recurring adjustments) necessary to present fairly, in all material respects, the financial position of the Company for the interim periods presented. All intercompany balances have been eliminated. Certain information and footnote disclosures normally included in annual consolidated financial statements have been condensed or omitted pursuant to the rules and regulations of the U.S. Securities and Exchange Commission. Because the interim unaudited consolidated financial statements do not include all of the information and notes required by GAAP for a complete set of consolidated financial statements, they should be read in conjunction with the audited consolidated financial statements and notes included in the Company's Annual Report on Form 10-K for the year ended January 29, 2017. The results reported in these interim unaudited consolidated financial statements should not be regarded as indicative of results that may be expected for any subsequent period or for the entire year.

The Company's interim unaudited consolidated statements of income are referred to herein as the "Statements of Income." The Company's interim unaudited consolidated balance sheets are referred to herein as the "Balance Sheets" and interim unaudited consolidated statements of cash flows as the "Statements of Cash Flows."

Segment Information

The Company's Chief Executive Officer ("CEO") has been identified as the Chief Operating Decision Maker ("CODM") as defined by guidance regarding segment disclosures (see Note 13 for further discussion). In fiscal year 2016, the Company identified five operating segments in total. Four of the operating segments aggregated into one reportable segment, the Semiconductor Products Group. The remaining operating segment, the Systems Innovation Group (shown as "All others"), could not be aggregated with the other operating segments and did not meet the criteria for a separate reportable segment as defined by the guidance regarding segment disclosure. As a result, the financial activity associated with the Systems Innovation Group was reported separately from the Company's Semiconductor Products Group. This separate reporting was included in the "All others" category. On August 5, 2016, the Company completed its divestiture of its Snowbush Intellectual Property ("Snowbush IP") business (previously part of the Company's Systems Innovation Group) to Rambus Inc. ("Rambus") for a purchase price of \$32.0 million in cash along with the opportunity to receive additional payments from Rambus through 2022 based upon a percentage of sales by Rambus of new products expected to be developed by Rambus from the disposed assets. Therefore, as of January 29, 2017, the Company no longer has a Systems Innovation Group or an "All others" category, resulting in four operating segments that aggregate into one reportable segment, the Semiconductor Products Group.

Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Recent Accounting Pronouncements

Recently Adopted Accounting Guidance

In the first quarter of fiscal year 2018, the Company adopted Financial Accounting Standards Board ("FASB") Accounting Standards Update ("ASU") No. 2016-09, Improvements to Employee Share-Based Payment Accounting (Topic 718). Under the amended guidance, all excess tax benefits and tax deficiencies will be recognized in the Statements of Income as they occur. This replaced the previous guidance, which required tax benefits that exceed compensation cost ("windfalls") to be recognized in additional paid in capital. It also eliminates the need to maintain a windfall pool, and removes the requirement to delay recognizing a windfall until it reduces current taxes payable. Using the modified retrospective adoption method, in the first quarter of fiscal year 2018, the Company recognized deferred tax assets of \$8.4 million for the windfall tax benefits and also recognized an increase of an equal amount in the valuation allowance against those deferred tax assets. Under the amended guidance, companies can make an accounting policy election to either continue to estimate forfeitures or account for forfeitures as they occur. Upon adoption, the Company elected to account for forfeitures when they occur, on a modified retrospective basis. In the first quarter of fiscal year 2018, a cumulative effect adjustment of \$2.0 million was recorded to retained earnings. The amended guidance also changed the Statements of Cash Flow presentation of excess tax benefits, classifying them as operating activities instead of financing activities, consistent with other cash flows related to income taxes. Further, following the adoption of this updated guidance, there will be additional dilutive effects in earnings per share calculations because excess tax benefits are no longer recognized in additional paid in capital. Due to the valuation allowance maintained against the Company's deferred tax assets, the adoption of this updated guidance did not have a material impact on the Company's consolidated financial statements.

Accounting Guidance Issued but Not Adopted as of October 29, 2017

In August 2017, the FASB issued ASU No. 2017-12, Derivatives and Hedging (Topic 815). The new standard is designed to refine and expand hedge accounting for both financial (e.g., interest rate) and commodity risks. Its provisions create more transparency around how economic results are presented, both on the face of the financial statements and in the footnotes. It also makes certain targeted improvements to simplify the application of hedge accounting guidance. The new standard is effective for interim and annual fiscal years beginning after December 15, 2018, and interim periods within those fiscal years. Early adoption, including adoption in an interim period, is permitted. The Company is currently evaluating the impact this ASU will have on its consolidated condensed financial statements and disclosures.

In July 2017, the FASB issued ASU No. 2017-11, Earnings Per Share (Topic 260); Distinguishing Liabilities from Equity (Topic 480); Derivatives and Hedging (Topic 815). This standard addresses narrow issues identified as a result of the complexity associated with applying GAAP for certain financial instruments with characteristics of liabilities and equity. Part I addresses the complexity of accounting for certain financial instruments with down round features. Part II addresses the difficulty of navigating Topic 480, Distinguishing Liabilities from Equity, because of the existence of pending content in the Accounting Standards Codification ("ASC") that results from the indefinite deferral of accounting requirements concerning mandatorily redeemable financial instruments of certain non-public entities and certain mandatorily redeemable non-controlling interests. The Company does not expect the adoption of this pronouncement to have a material impact on the Company's consolidated financial statements.

In March 2017, the FASB issued ASU No. 2017-07, Compensation - Retirement Benefits (Topic 715). This standard amends the Statements of Income presentation of the components of net periodic benefit cost for defined benefit pension and other post retirement plans. This standard requires companies to: (1) disaggregate the current service cost component from the other components of net periodic benefit cost (the "other components") and present it in the same line items on the Statements of Income as other current compensation costs for related employees and (2) present the other components outside of operating profit. This standard is required to be applied retrospectively and is effective for annual and interim periods beginning after December 15, 2017. The Company does not expect the adoption of this pronouncement to have a material impact on the Company's consolidated financial statements.

In January 2017, the FASB issued ASU No. 2017-04, Intangibles-Goodwill and Other (Topic 350). The pronouncement was issued to simplify the subsequent measurement of goodwill by eliminating Step 2 from the goodwill impairment test. This pronouncement stipulates that an entity should perform a goodwill impairment test by comparing the fair value of a reporting unit with its carrying amount, and will recognize an impairment charge for the amount by which the carrying amount exceeds the reporting unit's fair value, with the loss recognized not exceeding the total amount of goodwill allocated to that reporting unit. The amendments in this pronouncement are to be applied on a prospective basis. This guidance will be effective for annual or any interim goodwill impairment tests in fiscal years beginning after December 15, 2019, with early adoption permitted for interim or annual goodwill impairment tests performed on testing dates after January 31, 2017. The adoption of this pronouncement is not expected to have a material impact on the Company's consolidated financial statements.

In January 2017, the FASB issued ASU No. 2017-01, Business Combinations (Topic 805). This standard clarifies the definition of a business to assist entities with evaluating when a set of assets acquired or disposed of should be considered a business. The new standard requires an entity to evaluate if substantially all the fair value of the gross assets acquired is concentrated in a single identifiable asset or group of similar identifiable assets; if so, the set would not be considered a business. The new standard also requires a business to include at least one substantive process and narrows the definition of outputs. The new standard is effective for interim and annual periods beginning after December 15, 2017, and may be adopted earlier. The standard would be applied prospectively to any transaction occurring on or after the adoption date. The impact of this standard will be dependent upon the specific facts and circumstances of any applicable future acquisitions or dispositions.

In October 2016, the FASB issued ASU No. 2016-16, Intra-Entity Asset Transfers Other Than Inventory (Topic 740). This accounting standard update is aimed at recognizing the income tax consequences of intra-entity transfers of assets other than inventory when they occur. This removes the exception to postpone recognition until the asset has been sold to an outside party. This ASU will be effective in the first quarter of fiscal year 2020. The standard update is required to be applied on a modified retrospective basis through a cumulative-effect adjustment to the Balance Sheet as of the beginning of the fiscal year of adoption. The Company is currently assessing the impact this pronouncement will have on its consolidated financial statements.

In August 2016, the FASB issued ASU 2016-15, Statement of Cash Flows: Classification of Certain Cash Receipts and Cash Payments (Topic 230). The primary purpose of this ASU is to reduce the diversity in practice that has resulted from the lack of consistent principles on this topic. This ASU is effective for fiscal years beginning after December 15, 2017. This ASU will be effective for the Company as of the beginning of fiscal year 2019. Early adoption is permitted in any interim or annual period. The Company is continuing to assess the overall impacts of the new standard. The Company does not expect the adoption of this pronouncement to have a material impact on its consolidated financial statements.

In February 2016, the FASB issued ASU No. 2016-02, Leases (Topic 842), which will require that substantially all leases be recognized by lessees on their Balance Sheets as a right-of-use asset and corresponding lease liability, including leases currently accounted for as operating leases. The new standard also will result in enhanced quantitative and qualitative disclosures, including descriptions of significant judgments made by management, to provide greater

insight into the extent of expense recognized and expected to be recognized from existing leases. The standard requires modified retrospective adoption and will be effective for the Company as of the beginning of fiscal year 2020. The Company expects the valuation of right of use assets and lease liabilities, previously described as operating leases, to be the present value of the Company's forecasted future lease commitments. The Company is continuing to assess the overall impacts of the new standard, including the discount rate to be applied in these valuations.

In May 2014, the FASB issued ASU No. 2014-09, Revenue from Contracts with Customers (Topic 606), which will require an entity to recognize revenue from the transfer of 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. The guidance addresses, in particular, contracts with more than one performance obligation, as well as the accounting for some costs to obtain or fulfill a contract with a customer, and provides for additional disclosures with respect to revenues and cash flows arising from contracts with customers. Public entities are required to apply the amendments on either a full- or modified-retrospective basis for annual periods beginning after December 15, 2017 and for interim periods within those annual periods. This update will be effective for the Company beginning in the first quarter of fiscal year 2019. The Company plans to adopt the standard retrospectively with the cumulative effect of initially applying it recognized at the date of initial application ("modified retrospective" approach).

The Company has completed its impact assessment and identified a change in timing of revenue recognition on the Company's sales made to certain distributors where revenues are currently deferred and not recognized until the distributor sells to the end customers. Upon adoption of the standard, the Company will no longer defer revenue until sale by the distributor to the end customer, but rather, will record revenue at the time of sale to the distributor. The Company will also be required to estimate the effects of returns and allowances provided to distributors.

On the date of initial application, the Company will reverse the deferred net revenue through a cumulative adjustment to retained earnings on sales made to distributors where revenue was recognized upon sales to the end customer. The Company does not expect the impact of this cumulative adjustment to be material to the reported revenue in the period of adoption, or in future periods, as the impact will be offset by the revenue recognized for sales to distributors upon shipment, post adoption.

The Company is in the process of implementing changes to its accounting policies, business processes and internal controls to support the new accounting and disclosure requirements. These changes are not expected to be material.

Note 2: Acquisitions

AptoVision Technologies Inc.

On July 1, 2017, the Company acquired AptoVision Technologies Inc. ("AptoVision"), a privately-held provider of uncompressed, zero-frame latency, video-over-IP solutions addressing the professional audio visual ("Pro AV") market. The unique combination of AptoVision's advanced algorithms for real-time, full bandwidth video transmission over IP networks, and Semtech's industry leading high-speed signal integrity and chip development expertise is expected to enable the adoption of Software Defined Video over Ethernet ("SDVoE") accelerating this natural progression in the evolution of video transport.

Under the terms of the share purchase agreement, the Company acquired all of the outstanding equity interest in AptoVision for a cash payment of \$17.6 million at closing, net of acquired cash, and a commitment to pay additional contingent consideration of up to a maximum of \$47.0 million over three years if certain goals are achieved in each of the earn out periods. The fair value of the additional contingent consideration (the "AptoVision Earn-out") as of the acquisition date was \$17.0 million, of which \$8.5 million is presented within "Accrued liabilities" and \$8.5 million is presented within "Other long-term liabilities" in the Balance Sheets. For the nine months ended October 29, 2017, acquisition related transaction costs of \$1.6 million are accounted for as an expense in the period in which the costs are incurred and are presented within "Selling, general and administrative" expense in the Statements of Income.

AptoVision met the definition of a business and is accounted for under the acquisition method of accounting in accordance with the FASB's ASC Topic 805, Business Combinations. The consideration to acquire AptoVision was allocated to the acquired tangible and intangible assets and assumed liabilities of AptoVision based on their respective estimated fair values as of the acquisition date. A summary of the allocation is as follows:

(in thousands)	Estimated Useful Life	October 29, 2017
Finite-lived intangible asset - Developed Technology	6-7 years	\$ 20,000
Finite-lived intangible asset - Customer Relationships	3 years	4,000
Indefinite-lived intangible asset - in-process research and development ("IPR&D")		2,300
Goodwill		12,187
Other (liabilities) assets, net		(3,868)
Total consideration		\$ 34,619

The fair value of the developed technology rights acquired was determined by estimating the probability-weighted net cash flows attributable to these rights discounted to present value using a discount rate that represents the estimated rate that market participants would use to value this intangible asset. The developed technology rights acquired relate to AptoVision's BlueRiver™ platform.

The fair value of the customer relationships was determined by estimating the amount that would be required currently to replace the customers from lead generations to product shipment.

The IPR&D primarily relates to an assumed license agreement that had been executed in close proximity to the acquisition date. The investment in the license approximates fair value.

The \$12.2 million excess of the acquisition consideration over the fair value of the assets acquired and liabilities assumed was allocated to goodwill. The goodwill resulted from expected synergies and other benefits from the transaction. The Company expects that all such goodwill will be deductible for tax purposes.

The purchase price allocation for the AptoVision acquisition is complete and resulted in a reduction of goodwill during the three months ended October 29, 2017 of \$4.7 million due primarily to tax related items. The adjustments did not have a material effect on the Company's consolidated financial results.

Net revenues and earnings attributable to AptoVision since the acquisition date were not material. Pro forma results of operations have not been presented as AptoVision's annual financial results are not material to the Company's consolidated financial results.

Triune Systems, L.L.C

On March 4, 2015, the Company acquired Triune Systems, L.L.C. ("Triune"), a privately-held supplier of isolated switching, wireless charging and power management platforms targeted at, among other things, high and low power, high efficiency applications. Under the terms of the purchase agreement, the Company acquired all of the outstanding equity interest in Triune for a guaranteed minimum purchase price of \$45.0 million consisting of \$35.0 million in cash paid at closing, with an additional cash consideration of \$10.0 million of which \$9.5 million was paid in September 2015 and \$0.5 million was paid in the second quarter of fiscal year 2017.

Subject to achieving certain future financial goals ("Triune Earn-out"), up to \$70.0 million of contingent consideration will be paid over three years if certain net revenue targets are achieved starting in fiscal year 2016 and ending in fiscal year 2018. An additional payment of up to \$16.0 million will be paid after fiscal year 2018 if certain cumulative net revenue and contribution margin targets are achieved.

The Triune Earn-out targets for fiscal year 2017 were not met and the Company does not expect the fiscal year 2018 targets to be achieved. The fair value of the Triune Earn-out liability was zero as of both October 29, 2017 and January 29, 2017, respectively. (See Notes 6 and 11).

Note 3: Earnings per Share

The computation of basic and diluted earnings per common share was as follows:

(in thousands, except per share amounts)	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Net income	\$ 13,338	\$ 30,776	\$ 37,723	\$ 46,642
Weighted average common shares outstanding - basic	66,194	65,549	65,932	65,331
Dilutive effect of stock options and restricted stock units	1,623	657	1,623	568
Weighted average common shares outstanding - diluted	67,817	66,206	67,555	65,899
Basic earnings per common share	\$ 0.20	\$ 0.47	\$ 0.57	\$ 0.71
Diluted earnings per common share	\$ 0.20	\$ 0.46	\$ 0.56	\$ 0.71
Anti-dilutive shares not included in the above calculations	362	989	447	1,498

Basic earnings per common share is computed by dividing income available to common stockholders by the weighted-average number of shares of common stock outstanding during the reporting period. Diluted earnings per common share incorporates the incremental shares issuable, calculated using the treasury stock method, upon the assumed exercise of non-qualified stock options, the vesting of restricted stock units and performance unit awards if the conditions have been met.

Note 4: Share-Based Compensation

Financial Statement Effects and Presentation. The following table summarizes pre-tax share-based compensation included in the Statements of Income for the three and nine months ended October 29, 2017 and October 30, 2016.

(in thousands)	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Revenue offset	\$ 6,249	\$ 3,669	\$ 14,726	\$ 3,669
Cost of sales	316	360	1,161	1,108
Selling, general and administrative	6,589	3,965	22,200	12,001
Product development and engineering	2,202	1,401	6,079	4,420
Share-based compensation	\$ 15,356	\$ 9,395	\$ 44,166	\$ 21,198
Net change in share-based compensation capitalized into inventory	\$ —	\$ 124	\$ (414)	\$ 106

Warrant. On October 5, 2016, the Company issued a warrant (the "Warrant") to Comcast Cable Communications Management LLC ("Comcast") to purchase up to 1,086,957 shares (the "Warrant Shares") of the common stock of Semtech Corporation. The Warrant was issued by the Company to Comcast in connection with an agreement between the parties regarding the intended trial deployment by Comcast of a low-power wide-area Network ("LPWAN") in the United States, based on the Company's LoRa® devices and wireless radio frequency technology. The Warrant is accounted for as equity and the cost is recognized as an offset to net sales over the respective performance period. The Warrant consists of five performance tranches. The cost associated with each tranche is recognized based on the fair value at each reporting date until vesting which is the measurement date. For both the three-and nine-month periods ended October 29, 2017, the revenue offset reflects the cost associated with the Warrant.

Performance-Based Restricted Stock Units. The Company grants performance-based restricted stock units to select employees. The performance-based restricted stock units are valued as of the measurement date and expense is recognized on a straight line basis for the awards expected to vest based on the probability of attainment of the performance condition for each separately vesting portion of the award.

In the first quarter of fiscal year 2018, the Company granted 215,857 performance-based restricted stock units that have a pre-defined market condition, a service condition and are accounted for as equity awards. The market condition is determined based upon the Company's total stockholder return ("TSR") benchmarked against the TSR of the S&P SPDR Semiconductor ETF (NYSE:XSD) over a one, two and three year performance period (one-third of the awards vesting each performance period). The fiscal year 2018 award recipients must be employed for the entire performance period and be an active employee at the time of vesting of the awards. The Company used a Monte Carlo simulation to determine the grant-date fair value for these awards, which takes into consideration the possible outcomes pertaining to the TSR market condition. The grant-date fair value per unit of the awards granted in the first quarter of fiscal year 2018 for each one, two and three year performance period is \$38.01, \$39.76 and \$40.89, respectively. At October 29, 2017, the market metrics associated with the outstanding awards issued in fiscal year 2018 is expected to be met at a level which would result in a grant at 101.5% of target.

Note 5: Investments

Cash and cash equivalents includes investments in money market funds that are valued based on the net asset value of the funds. The cash equivalents consist primarily of money market funds that are Level 1 measurements. The investments in these funds were \$10.1 million and \$16.9 million as of October 29, 2017 and January 29, 2017, respectively.

The following table summarizes the Company's available-for-sale securities:

(in thousands)	October 29, 2017			January 29, 2017		
	Market Value	Adjusted Cost	Gross Unrealized Gain	Market Value	Adjusted Cost	Gross Unrealized Gain
Convertible debt	\$ —	\$ —	\$ —	\$ 1,425	\$ 1,425	\$ —
Other current assets	\$ —	\$ —	\$ —	\$ 1,425	\$ 1,425	\$ —

The following table summarizes the maturities of the Company's available-for-sale securities:

(in thousands)	October 29, 2017		January 29, 2017	
	Market Value	Adjusted Cost	Market Value	Adjusted Cost
Within 1 year	\$ —	\$ —	\$ 1,425	\$ 1,425
After 1 year through 5 years	—	—	—	—
Other current assets	\$ —	\$ —	\$ 1,425	\$ 1,425

The Company's available-for-sales securities consisted of an investment in a convertible debt instrument issued by a privately-held company and is included in "Other current assets" within the Balance Sheets. During the nine months ended October 29, 2017, the Company received cash to fully settle the convertible debt instrument.

The Company currently has a \$25.0 million investment, which includes \$5.0 million of restricted deposits, in a private entity that is accounted for at cost and included in "Other assets" within the Balance Sheets. As part of its investment, the Company received a call option that allows the Company to purchase all of the outstanding equity of the entity. The call option, which was out-of-the-money at inception, is exercisable until June 30, 2018.

Note 6: Fair Value Measurements

Instruments Measured at Fair Value on a Recurring Basis

Financial assets and liabilities measured and recorded at fair value on a recurring basis were presented within the Company's Balance Sheets as follows:

(in thousands)	Fair Value as of October 29, 2017				Fair Value as of January 29, 2017			
	Total	(Level 1)	(Level 2)	(Level 3)	Total	(Level 1)	(Level 2)	(Level 3)
Financial assets:								
Cash equivalents	\$ 10,126	\$ 10,126	\$ —	\$ —	\$ 16,945	\$ 16,945	\$ —	\$ —
Derivative financial instruments	482	—	482	—	326	—	326	—
Convertible debt	—	—	—	—	1,425	—	—	1,425
Total financial assets	\$ 10,608	\$ 10,126	\$ 482	\$ —	\$ 18,696	\$ 16,945	\$ 326	\$ 1,425
Financial liabilities:								
AptoVision Earn-out	\$ 17,188	\$ —	\$ —	\$ 17,188	\$ —	\$ —	\$ —	\$ —
Triune Earn-out	—	—	—	—	—	—	—	—
Cycleo Earn-out	776	—	—	776	1,242	—	—	1,242
Derivative financial instruments	—	—	—	—	—	—	—	—
Total financial liabilities	\$ 17,964	\$ —	\$ —	\$ 17,964	\$ 1,242	\$ —	\$ —	\$ 1,242

During the nine months ended October 29, 2017, the Company had no transfers of financial assets or liabilities between Level 1, Level 2 or Level 3. As of October 29, 2017 and January 29, 2017, the Company had not elected the fair value option for any financial assets and liabilities for which such an election would have been permitted.

The fair values of the foreign exchange forward contracts are valued using Level 2 inputs. Foreign currency forward contracts are valued using readily available foreign currency forward and interest rate curves. The fair value of each contract is determined by comparing the contract rate to the forward rate and discounting to the present value. Contracts in a gain position are recorded in the Balance Sheets within the caption "Other current assets" and the value of contracts in a loss position are recorded within the caption "Accrued liabilities" within the Balance Sheets. Please see Note 15 for further discussion of the Company's derivative instruments.

The convertible debt is valued using probability weighted cash flows (Level 3 inputs).

The Triune Earn-out liability is valued utilizing estimates of annual revenue and operating income (Level 3 inputs) during a period ending January 2018. These estimates represent inputs for which market data are not available and are developed using the best information available about the assumptions that market participants would use when pricing the liability.

The Cycleo Earn-out liability (see Note 11) is valued utilizing estimates of annual revenue and operating income (Level 3 inputs) through April 2020. These estimates represent inputs for which market data are not available and are developed using the best information available about the assumptions that market participants would use when pricing the liability.

The AptoVision Earn-out liability is valued utilizing estimates of annual revenue, adjusted earnings and product development targets (Level 3 inputs) through July 2020. These estimates represent inputs for which market data are not available and are developed using the best information available about the assumptions that market participants would use when pricing the liability.

The Company measures contingent earn-out liabilities at fair value on a recurring basis using significant unobservable inputs classified within Level 3 of the fair value hierarchy. The Company uses a Monte Carlo valuation method as a valuation technique to determine the value of the earn-out liability. The significant unobservable inputs used in the fair value measurements are revenue projections over the earn-out period, and the probability outcome percentages assigned to each scenario. Significant increases or decreases to either of these inputs in isolation would result in a significantly higher or lower liability, with a higher liability capped by the contractual maximum of the contingent earn-out obligation. Ultimately, the liabilities will be equivalent to the amount paid, and the difference between the fair value estimate and amount paid will be recorded in earnings. For the Triune Earn-out, Cycleo Earn-out and AptoVision Earn-out, these companies have business profiles comparable to a start-up company. Accordingly, their respective revenue projections are subject to significant revisions. This characteristic can result in volatile changes to the measurement of fair value for a given earn-out.

The Company reviews and re-assesses the estimated fair value of contingent consideration on a recurring basis, and the updated fair value could differ materially from the previous estimates. Changes in the estimated fair value of the Company's contingent earn-out liabilities related to the time component of the present value calculation are reported in "Interest expense" within the Statements of Income. Adjustments to the estimated fair value related to changes in all other unobservable inputs are reported in operating income.

A reconciliation of the change in the earn-out liability during the nine months ended October 29, 2017 is as follows:

(in thousands)	Cycleo	Triune	AptoVision	Total
Balance at January 29, 2017	\$ 1,242	\$ —	\$ —	\$ 1,242
Changes in the fair value of contingent earn-out obligations	—	—	—	—
Current acquisitions	—	—	17,188	17,188
Payments	(466)	—	—	(466)
Balance as of October 29, 2017	<u>\$ 776</u>	<u>\$ —</u>	<u>\$ 17,188</u>	<u>\$ 17,964</u>

Instruments Not Recorded at Fair Value on a Recurring Basis

Some of the Company's financial instruments are not measured at fair value on a recurring basis but are recorded at amounts that approximate fair value due to their liquid or short-term nature. Such financial assets and financial liabilities include: cash and cash equivalents, net receivables, certain other assets, accounts payable, accrued expenses, accrued personnel costs, and other current liabilities.

The Company's long-term debt is not recorded at fair value on a recurring basis, but is measured at fair value for disclosure purposes. The fair value of the Company's Term Loans (as defined in Note 9) is \$135.0 million and \$146.3 million as of October 29, 2017 and January 29, 2017, respectively. The fair value of the Company's Revolving Commitments (as defined in Note 9) is \$97.0 million as of both October 29, 2017 and January 29, 2017, respectively. These are based on Level 2 inputs which are derived from transactions with similar amounts, maturities, credit ratings and payment terms.

Assets and Liabilities Recorded at Fair Value on a Non-Recurring Basis

The Company reduces the carrying amounts of its goodwill, intangible assets, long-lived assets and non-marketable equity securities to fair value when held for sale or determined to be impaired.

For its investment in non-marketable equity interests, the Company has not identified events or changes in circumstances that may have a significant adverse effect on the fair value of its equity investments during the first nine months of fiscal year 2018.

Note 7: Inventories

Inventories, consisting of material, material overhead, labor, and manufacturing overhead, are stated at the lower of cost (first-in, first-out) or market and consist of the following:

(in thousands)	October 29, 2017	January 29, 2017
Raw materials	\$ 2,000	\$ 2,968
Work in progress	50,373	44,740
Finished goods	18,876	18,164
Inventories	<u>\$ 71,249</u>	<u>\$ 65,872</u>

Note 8: Goodwill and Intangible Assets

Goodwill – There were no events or changes in circumstances that would indicate the carrying amount of goodwill may not be recoverable as of October 29, 2017 and January 29, 2017. Goodwill by applicable reporting unit is as follows:

(in thousands)	Signal Integrity	Power and High Reliability	Wireless and Sensing	Total
Balance at January 29, 2017	\$ 261,891	\$ 49,384	\$ 18,428	\$ 329,703
Additions ⁽¹⁾	12,187	—	—	12,187
Balance at October 29, 2017	\$ 274,078	\$ 49,384	\$ 18,428	\$ 341,890

(1) Composed of goodwill recognized on the acquisition date and subsequent adjustments resulting from changes to the acquisition date fair values of net assets acquired in the business combination recorded during their respective measurement periods.

During the second quarter of fiscal year 2018, goodwill associated with the Signal Integrity product group increased due to the Company's acquisition of AptoVision (see Note 2).

Purchased Intangibles – The following table sets forth the Company's finite-lived intangible assets resulting from business acquisitions, which continue to be amortized:

(in thousands)	Estimated Useful Life	October 29, 2017			January 29, 2017		
		Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
Core technologies	5-8 years	\$ 164,930	\$ (109,609)	\$ 55,321	\$ 144,930	\$ (92,940)	\$ 51,990
Customer relationships	5-10 years	34,030	(23,991)	10,039	30,030	(20,247)	9,783
Total finite-lived intangible assets		\$ 198,960	\$ (133,600)	\$ 65,360	\$ 174,960	\$ (113,187)	\$ 61,773

The following table sets forth the Company's finite-lived intangible assets resulting from acquisitions:

(in thousands)	Gross Carrying Value
Value at January 29, 2017	\$ 174,960
Acquired intangible assets	24,000
Value at October 29, 2017	\$ 198,960

For the three months ended October 29, 2017 and October 30, 2016, amortization expense related to acquired finite-lived intangible assets was \$7.5 million and \$6.3 million, respectively. For the nine months ended October 29, 2017 and October 30, 2016, amortization expense related to acquired finite-lived intangible assets was \$20.4 million and \$19.0 million, respectively. Amortization expense related to acquired finite-lived intangible assets is reported as "Intangible amortization" within the Statements of Income.

The following table sets forth the Company's indefinite-lived intangible assets resulting from additions to IPR&D:

(in thousands)	Net Carrying Value
Value at January 29, 2017	\$ —
In-process research and development through acquisitions	2,300
Value at October 29, 2017	\$ 2,300

The Company reviews indefinite-lived intangible assets for impairment as of November 30, each year, by comparing the carrying amount of the asset to the future discounted cash flows that asset is expected to generate.

Note 9: Credit Facilities

On November 15, 2016 (the "Closing Date"), Semtech Corporation, with certain of its domestic subsidiaries as guarantors (the "Guarantors"), entered into the amended and restated credit facility with the lenders party thereto ("Lenders"), and HSBC Bank USA, National Association, as administrative agent and as swing line lender and letter of credit issuer (the "Credit Agreement"). The Credit Agreement amended and restated the Company's prior credit agreement. The Company accounted for the Credit Agreement as a debt modification. Pursuant to the Credit Agreement, the Lenders provided the Company with senior secured first lien credit facilities in an aggregate principal amount of \$400.0 million, consisting of term loans in an aggregate initial principal amount of \$150.0 million (the "Term Loans") and revolving credit commitments in an aggregate principal amount of \$250.0 million (the "Revolving Commitments"). Up to \$40.0 million of the Revolving Commitments may be used to obtain letters of credit, up to \$25.0 million of the Revolving Commitments may be used to obtain swing line loans, and up to \$40.0 million of the Revolving Commitments may be used to obtain revolving loans and letters of credit in certain currencies other than U.S. Dollars. Each of the Term Loans and the Revolving Commitments is scheduled to mature on November 12, 2021. As of October 29, 2017, there were no amounts outstanding under the letters of credit, swing line loans and alternative currency sub facilities.

All of the proceeds of the Credit Agreement were used to repay in full all of the obligations outstanding under the Company's prior credit facility and to pay transaction costs in connection with such refinancing. As of November 15, 2016, \$247.0 million of borrowings were outstanding under the Credit Agreement, consisting of \$150.0 million in term loans and \$97.0 million in revolving loans, and there was \$153.0 million of undrawn revolving commitments. The proceeds of the revolving credit facility may be used by the Company for capital expenditures, permitted acquisitions, permitted dividends, working capital and general corporate purposes.

The Credit Agreement provides that, subject to certain conditions, the Company may request the establishment of one or more additional term loan facilities and/or increases to the Revolving Commitments in an aggregate principal amount not to exceed the sum of (a) \$150.0 million and (b) the aggregate principal amount of all voluntary prepayments of term loans made prior to the date of incurrence of such additional term loan facilities and/or increases to the revolving commitments. The Lenders will have an opportunity to, but are not required to participate in the additional term loan facilities and/or revolving commitment increases. If the Lenders do not agree to provide such incremental facilities, the Company may request such additional and/or increased facilities from additional lenders.

Interest on loans made under the Credit Agreement in U.S. Dollars accrues, at the Company's option, at a rate per annum equal to (1) the Base Rate (as defined below) plus a margin ranging from 0.25% to 1.25% depending upon the Company's consolidated leverage ratio or (2) LIBOR (determined with respect to deposits in U.S. Dollars) for an interest period to be selected by the Company plus a margin ranging from 1.25% to 2.25% depending upon the Company's consolidated leverage ratio (such margin, the "Applicable Margin"). The "Base Rate" is equal to a fluctuating rate equal to the highest of (a) the prime rate of the administrative agent, (b) $\frac{1}{2}$ of 1% above the federal funds effective rate published by the Federal Reserve Bank of New York and (c) one-month LIBOR (determined with respect to deposits in U.S. Dollars) plus 1%. Interest on loans made under the Credit Agreement in alternative currencies accrues at a rate per annum equal to LIBOR (determined with respect to deposits in the applicable alternative currency) (other than loans made in Canadian Dollars, for which a special reference rate for Canadian Dollars applies) for an interest period to be selected by the Company plus the Applicable Margin.

Commitment fees on the unused portion of the revolving commitments accrue at a rate per annum ranging from 0.20% to 0.45% depending upon the Company's consolidated leverage ratio. With respect to letters of credit, the Company will pay the administrative agent, for the account of the lenders under the revolving credit facility, letter of credit participation fees at a rate per annum equal to the applicable margin then in effect with respect to LIBOR-based loans under the revolving commitments on the face amount of all outstanding letters of credit. The Company also will pay HSBC Bank USA, N.A., as the issuing bank, a fronting fee for each letter of credit issued under the Credit Agreement at a rate equal to 0.125% per annum based on the maximum amount available to be drawn under each such letter of credit, as well as its customary documentation fees.

All obligations of the Company under the Credit Agreement are unconditionally guaranteed by each of the Guarantors, which currently consist of all of the direct and indirect domestic subsidiaries of Semtech Corporation. Semtech Corporation and the Guarantors have also pledged substantially all of their assets, including sixty-five percent (65.0%) of such Guarantor's equity interest in direct non-U.S. subsidiaries, to secure their obligations under the Credit Agreement, including the Company's owned real property located in Camarillo, California.

The outstanding principal balance of the Term Loans is subject to repayment in quarterly installments. No amortization is required with respect to the revolving credit facility. The Company may voluntarily prepay borrowings under the Credit

Agreement at any time and from time to time, without premium or penalty, other than customary "breakage costs" and fees for LIBOR-based loans.

The Term Loans are required to be prepaid using the proceeds of certain dispositions of assets and receipt of insurance proceeds, subject to agreed-upon thresholds and exceptions and customary reinvestment rights.

The Credit Agreement contains customary covenants, including limitations on Company's ability to, among other things, incur indebtedness, create liens on assets, engage in certain fundamental corporate changes, make investments, sell or otherwise dispose of assets, repurchase stock, pay dividends or make similar distributions, engage in certain transactions with affiliates and make capital expenditures. In addition, the Company must comply with the following financial covenants, tested at the end of each fiscal quarter on a trailing four-quarter basis: (i) a minimum consolidated interest coverage ratio of 3.00 to 1.00 and (ii) a maximum consolidated leverage ratio of 3.00 to 1.00 provided that, such maximum consolidated leverage ratio may be increased to 3.25 to 1.00 or 3.50 to 1.00, as applicable, for the four consecutive fiscal quarters ending on or after the date of consummation of a permitted acquisition which constitutes a "Material Acquisition" under the Credit Agreement, subject to the satisfaction of certain conditions. As of October 29, 2017, the Company was in compliance with all covenants.

The Credit Agreement also contains customary provisions pertaining to events of default. If any event of default occurs, the principal, interest, and any other monetary obligations on all the then outstanding amounts can become due and payable immediately by action of the administrative agent acting upon the instructions of or with the consent of the Lenders representing more than 50% of the revolving commitments and outstanding term loans or automatically upon the occurrence of certain bankruptcy events related to the Company.

As of October 29, 2017, the interest rates payable on both the Term Loans and the Revolving Commitments was 2.87%.

Scheduled maturities of current and long-term Term Loans are as follows:

(in thousands)

Fiscal Year Ending:

2018	\$	3,750
2019		15,938
2020		18,750
2021		19,688
2022		76,875
Total debt	\$	<u>135,001</u>

There are no scheduled principal payments for the Revolving Commitments which had an outstanding balance of \$97.0 million at October 29, 2017 and is due on or before November 12, 2021.

Note 10: Income Taxes

The Company's effective tax rate differs from the statutory federal income tax rate of 35% due primarily to regional mix of income, valuation allowances in the U.S., and certain undistributed foreign earnings for which no U.S. taxes are provided because such earnings are intended to be indefinitely reinvested outside of the U.S.

The Company uses a two-step approach to recognize and measure uncertain tax positions ("UTP"). The first step is to evaluate the tax position for recognition by determining if the weight of available evidence indicates that it is more likely than not that the position will be sustained on audit, including resolution of related appeals or litigation processes, if any. The second step is to measure the tax benefit as the largest amount that is more than 50% likely of being realized upon ultimate settlement.

A reconciliation of the beginning and ending amount of gross unrecognized tax benefits is as follows:

(in thousands)

Balance at January 29, 2017	\$	11,452
Additions based on tax positions related to the current year		590
Reductions for issue resolutions		(990)
Balance as of October 29, 2017	\$	<u>11,052</u>

Included in the balance of gross unrecognized tax benefits at October 29, 2017 and January 29, 2017, are \$8.9 million and \$9.3 million of net tax benefits (after federal impact of state items), respectively, that, if recognized, would impact the effective tax rate, prior to consideration of any required valuation allowance.

The liability for UTP is reflected within the Balance Sheets as follows:

(in thousands)

	October 29, 2017	January 29, 2017
Deferred tax assets - non-current	\$ 9,782	\$ 9,309
Other long-term liabilities	1,270	2,143
Total accrued taxes	<u>\$ 11,052</u>	<u>\$ 11,452</u>

The Company's policy is to include net interest and penalties related to unrecognized tax benefits within the "Provision for taxes" in the Statements of Income. The Company had approximately \$0.3 million of net interest and penalties accrued at both October 29, 2017 and January 29, 2017, respectively.

Tax years prior to 2012 (the Company's fiscal year 2013) are generally not subject to examination by the U.S. Internal Revenue Service ("IRS") except for items involving tax attributes that have been carried forward to tax years whose statute of limitations remains open. For state returns, the Company is generally not subject to income tax examinations for calendar years prior to 2012 (the Company's fiscal year 2013). The Company has a significant tax presence in Switzerland for which Swiss tax filings have been examined through fiscal year 2016. The Company is also subject to routine examinations by various foreign tax jurisdictions in which it operates.

The Company's regional income from continuing operations before taxes and equity in net losses of equity method investments is as follows:

(in thousands)	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Domestic	\$ (2,366)	\$ 937	\$ (11,396)	\$ (13,048)
Foreign	19,180	35,582	60,447	75,114
Total	<u>\$ 16,814</u>	<u>\$ 36,519</u>	<u>\$ 49,051</u>	<u>\$ 62,066</u>

Note 11: Commitments and Contingencies

In accordance with accounting standards regarding loss contingencies, the Company accrues an undiscounted liability for those contingencies where the incurrence of a loss is probable and the amount can be reasonably estimated. The Company also discloses the amount accrued and the amount of a reasonably possible loss in excess of the amount accrued, if such disclosure is necessary for its consolidated financial statements not to be misleading. The Company does not record liabilities when the likelihood that the liability has been incurred is probable but the amount cannot be reasonably estimated, or when the liability is believed to be only reasonably possible or remote. The Company evaluates, at least quarterly, developments in its legal matters that could affect the amount of liability that has been previously accrued, and makes adjustments as appropriate. Significant judgment is required to determine both probability and the estimated amount. The Company may be unable to estimate a possible loss or range of possible loss due to various reasons, including, among others: (i) if the damages sought are indeterminate; (ii) if the proceedings are in early stages, (iii) if there is uncertainty as to the outcome of pending appeals, motions or settlements, (iv) if there are significant factual issues to be determined or resolved, and (v) if there are novel or unsettled legal theories presented. In such instances, there is considerable uncertainty regarding the ultimate resolution of such matters, including a possible eventual loss, if any.

Because the outcomes of litigation and other legal matters are inherently unpredictable, the Company's evaluation of legal matters or proceedings often involves a series of complex assessments by management about future events and can rely heavily on estimates and assumptions. While the consequences of certain unresolved matters and proceedings are not presently determinable, and an estimate of the probable and reasonably possible loss or range of loss in excess of amounts accrued for such proceedings cannot be reasonably made, an adverse outcome from such proceedings could have a material adverse effect on the Company's earnings in any given reporting period. However, in the opinion of management, after consulting with legal counsel, any ultimate liability related to current outstanding claims and lawsuits, individually or in the aggregate, is not expected to have a material adverse effect on the Company's consolidated financial statements, as a whole. However, legal matters are inherently unpredictable and subject to significant uncertainties, some of which are beyond the Company's control. As such, even though the Company intends to vigorously defend itself with respect to its legal matters, there can be no assurance that the final outcome of these matters will not materially and adversely affect the Company's business, financial condition, operating results, or cash flows.

From time to time, the Company is involved in various claims, litigation, and other legal actions that are normal to the nature of its business, including with respect to IP, contract, product liability, employment, and environmental matters. In the opinion of management, after consulting with legal counsel, any ultimate liability related to current outstanding claims and lawsuits, individually or in the aggregate, is not expected to have a material adverse effect on the Company's consolidated financial statements, as a whole.

The Company's currently pending legal matters of note are discussed below:

Environmental Matters

In 2001, the Company was notified by the California Department of Toxic Substances Control ("State") that it may have liability associated with the clean-up of the one-third acre Davis Chemical Company site in Los Angeles, California. The Company has been included in the clean-up program because it was one of the companies that used the Davis Chemical Company site for waste recycling and/or disposal between 1949 and 1990. The Company joined with other potentially responsible parties that sent acetone to the site and entered into a Consent Order with the State that required the group to perform a soil investigation at the site and submit a remediation plan. The State has approved the remediation plan, which addressed the group's initial obligations under the Consent Order. The Consent Order does not require the group to remediate the site and the State has indicated it intends to look to other parties for remediation. To date, the Company's share of the group's expenses has not been material and has been expensed as incurred. More recently, the State has decided to pursue a smaller group of parties for additional remediation and/or costs, in particular, parties the State alleges provided chlorinated solvents for recycling, including the Company. Due to the fact that there are fewer parties that are alleged to have provided chlorinated solvent wastes, the potential share of this alleged liability is much larger than the Company's share of acetone group potential liability. On January 30, 2017, the Company entered into a Consent Decree to settle and resolve all of the State's claims against the Company, including any liability the Company may have relating to acetone and chlorinated solvents. The Company's share of the settlement amount to be paid to the State is not material. On January 31, 2017, the State filed its Complaint and lodged the Consent Decree. The Consent Decree was subject to a public comment period of not less than 30 days. The State filed a motion for entry of the Consent Decree on April 25, 2017 and the current owner of the property, Westside Delivery LLC, filed an Objection to the Proposed Consent Decree and Opposition to the Motion for Entry as well as a Motion to Intervene on May 15, 2017. On July 21, 2017, the Court granted the Motion to Intervene and Westside Delivery filed an intervenor complaint on July 26, 2017. On July 31, 2017, the parties filed a stipulation requesting a stay of the proceedings pending a ruling on an appeal in the case between the State and Westside Delivery. On August 2, 2017, the Court entered an order granting the State's motion for entry of the Consent Decree, but did not actually sign the Consent Decree. On August 4, 2017, the Court entered an order staying the proceedings pending appeal, but then on August 10, 2017, the Court signed the Consent Decree. The Company has been informed by the State that Westside Delivery has asserted an ability to appeal the entry of the Consent Decree, despite the fact that the 30 days provided in the rules for filing a notice of appeal has lapsed and the parties to the Consent Decree have complied with its terms, including having made the appropriate payments.

The Company has used an environmental firm, specializing in hydrogeology, to perform monitoring of the groundwater at the Company's former facility in Newbury Park, California that was leased for approximately forty years. The Company vacated the building in May 2002. Certain contaminants have been found in the local groundwater and site soils. The location of key soil contamination (and some related site groundwater impact associated with the soil contamination) is concentrated in and found to emanate from an area of an underground storage tank that the Company believes to have been installed and primarily used in the early 1960s by a former tenant at the site who preceded the Company's tenancy. There are no litigation claims pending with respect to environmental matters at the Newbury Park site.

The Los Angeles Regional Water Quality Control Board ("RWQCB") having authority over the site issued joint instructions in November 2008, ordering the Company and the current owner of the site to perform additional assessments and surveys, and to create ongoing groundwater monitoring plans before any final regulatory action for "no further action" may be approved. In September 2009, the regulatory agency issued supplemental instructions to the Company and the current site owner regarding previously ordered site assessments, surveys and groundwater monitoring. In October 2013, an order was issued including a scope of proposed additional site work, monitoring, and proposed remediation activities. The Company filed appeals of the October 2013 order seeking reconsideration by the RWQCB and review by the State Water Resources Control Board ("SWRCB") of the removal of two other potentially responsible parties, and seeking clarification of certain other factual findings. In April 2015, the RWQCB denied the Company's request to name the two other potentially responsible parties to the order, but did correct certain findings of fact identified by the Company in its petition for reconsideration. The SWRCB has not yet ruled on the Company's petition for review of the RWQCB's action as the petition was filed with a request it be held in abeyance.

The Company has been engaged with the regulatory agency, including technical discussions between the Company's environmental firm and RWQCB staff,

and has initiated the technical efforts to comply with the order. The Company submitted technical reports prepared by the environmental firm to the RWQCB and has received confirmation regarding the satisfaction of portions of the order. The Company also submitted a remedial action plan prepared by the environmental firm outlining the cleanup of soil, groundwater, and soil vapor at the site. The Company's contractors have installed new monitoring wells and have submitted plans and applications in order to initiate pilot testing of a soil vapor extraction system. The parties are continuing to work toward compliance with the October 2013 order and anticipate working cooperatively on any ultimate proposed cleanup and abatement work.

The Company has accrued liabilities where it is probable that a loss will be incurred and the cost or amount of loss can be reasonably estimated. Based on the latest determinations by the RWQCB and the draft remedial action plan, the Company determined a revised range of probable loss between \$4.7 million and \$7.2 million. Given the uncertainties associated with environmental assessment and the remediation activities, the Company is unable to determine a best estimate within the range of loss. Therefore, the Company has recorded the minimum amount of probable loss as follows within the Company's Balance Sheets.

(in thousands)	Accrued Liability		Other-Long Term Liability		Total
Balance at January 29, 2017	\$	620	\$	4,381	\$ 5,001
Change in estimate		2,186		(2,186)	—
Utilization		(268)		—	(268)
Balance at October 29, 2017	\$	2,538	\$	2,195	\$ 4,733

These estimates could change as a result of changes in planned remedial actions, further actions from the regulatory agency, remediation technology, and other factors.

Indemnification

The Company has entered into agreements with its current and former executives and directors indemnifying them against certain liabilities incurred in connection with the performance of their duties. The Company's Certificate of Incorporation and Bylaws contain comparable indemnification obligations with respect to the Company's current directors and employees.

Product Warranties

The Company's general warranty policy provides for repair or replacement of defective parts. In some cases, a refund of the purchase price is offered. In certain instances the Company has agreed to other or additional warranty terms, including indemnification provisions.

The product warranty accrual reflects the Company's best estimate of probable liability under its product warranties. The Company accrues for known warranty issues if a loss is probable and can be reasonably estimated, and accrues for estimated incurred but unidentified issues based on historical experience. Historically, warranty expense has been immaterial to the Company's consolidated financial statements.

Earn-out Liability

Pursuant to the terms of the amended earn-out arrangement ("Cycleo Earn-out") with the former shareholders of Cycleo SAS ("Cycleo Earn-out Beneficiaries"), which the Company acquired on March 7, 2012, the Company potentially may make payments totaling up to approximately \$16.0 million based on the achievement of a combination of certain revenue and operating income milestones over a defined period ("Cycleo Defined Earn-out Period"). The Cycleo Defined Earn-out Period covers the period April 27, 2015 to April 26, 2020. For certain of the Cycleo Earn-out Beneficiaries, payment of the earn-out liability is contingent upon continued employment and is accounted for as post-acquisition compensation expense over the service period. The portion of the earn-out liability that is not dependent on continued employment is not considered as compensation expense. The Company has recorded a liability for the Cycleo Earn-out of \$6.1 million and \$6.1 million as of October 29, 2017 and January 29, 2017, respectively, of which \$2.8 million is expected to be paid within twelve months.

Pursuant to the terms of the Triune Earn-out with the former members of Triune ("Triune Earn-out Beneficiaries"), which the Company acquired on March 4, 2015, the Company potentially may make payments totaling up to approximately \$70.0 million based on achievement of certain net revenue targets measured at each fiscal year end, starting with fiscal year 2016 and ending in fiscal year 2018. An additional payment of up to \$16.0 million may be made based upon a combination of cumulative revenue and contribution margin targets measured from the acquisition date through the end of the Company's fiscal year 2018. For certain of the Triune Earn-out Beneficiaries, payment of the earn-out liability is contingent upon continued employment and is accounted for as post-acquisition compensation expense over the service period. The portion of the earn-out liability that is not dependent on continued employment is not considered as compensation expense. The Triune Earn-out targets for fiscal years 2017 and 2016 were not met and the Company does not expect the fiscal year 2018 targets to be achieved. Refer to Note 6 for additional discussion regarding fair value measurements.

Pursuant to the terms of the AptoVision Earn-out with the former shareholders of AptoVision ("AptoVision Earn-out Beneficiaries"), which the Company acquired on July 1, 2017, the Company potentially may make payments totaling up to approximately \$47.0 million based on the achievement of a combination of certain net revenue, adjusted earnings and product development targets measured from the acquisition date through July 26, 2020.

A summary of earn-out liabilities by classification follows:

(in thousands)	Balance at October 29, 2017				Balance at January 29, 2017			
	Cycleo	Triune	AptoVision	Total	Cycleo	Triune	AptoVision	Total
Compensation expense	\$ 4,662	\$ —	\$ —	\$ 4,662	\$ 4,576	\$ —	\$ —	\$ 4,576
Not conditional upon continued employment	776	—	17,188	17,964	949	—	—	949
Interest expense	621	—	—	621	543	—	—	543
Total liability	\$ 6,059	\$ —	\$ 17,188	\$ 23,247	\$ 6,068	\$ —	\$ —	\$ 6,068

Amount expected to be settled within twelve months	\$ 2,798	\$ —	\$ 8,688	\$ 11,486
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Note 12: Concentration of Risk

The following significant customers accounted for at least 10% of net sales in one or more of the periods indicated:

(percentage of net sales)	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Arrow Electronics (and affiliates)	13%	11%	10%	9%
Trend-tek Technology Ltd (and affiliates)	10%	8%	10%	10%
Samsung Electronics (and affiliates)	9%	9%	8%	8%
Premier Technical Sales Korea, Inc. (and affiliates) ⁽¹⁾	5%	6%	6%	5%

(1) Premier is a distributor with a concentration of sales to Samsung. The above percentages represent the Company's estimate of the sales activity related to Samsung that is passing through this distributor.

The Company did not have any customer that accounted for at least 10% of total net receivables as of October 29, 2017 or January 29, 2017.

Outside Subcontractors and Suppliers

The Company relies on a limited number of third-party subcontractors and suppliers for the production of silicon wafers, packaging and certain other tasks. Disruption or termination of supply sources or subcontractors, including due to natural disasters such as an earthquake or other causes, could delay shipments and could have a material adverse effect on the Company. Although there are generally alternate sources for these materials and services, qualification of the alternate sources could cause delays sufficient to have a material adverse effect on the Company. Several of the Company's third-party subcontractors and suppliers, including third-party foundries that supply silicon wafers, are located in foreign countries, including China, Taiwan and Israel. A significant amount of the Company's assembly and test operations are conducted by third-party contractors in China, Malaysia, Taiwan, Thailand, Korea and the Philippines. For the third quarter of fiscal years 2018 and 2017, respectively, approximately 21% and 24%, respectively, of the Company's silicon in terms of cost of wafers was supplied by a third-party foundry in China, and these percentages could be higher in future periods.

In the third quarter of fiscal year 2018, authorized distributors accounted for approximately 66% of the Company's net sales compared to approximately 64% in the third quarter of fiscal year 2017. Generally, the Company does not have long-term contracts with its distributors and most can terminate their agreement with little or no notice. For the third quarter of fiscal year 2018, the Company's two largest distributors were based in Asia.

Note 13: Segment Information

Segment Information

The Company's CEO functions as the CODM. The Company's CODM makes operating decisions and assesses performance based on these operating segments. The four operating segments: Protection Products Group, Power and High-Reliability Products Group, Signal Integrity Products Group, and Wireless and Sensing Products Group, all have similar economic characteristics and have been aggregated into one reportable segment identified in the table below as the "Semiconductor Products Group".

On August 5, 2016, the Company completed its divestiture of its Snowbush IP business, and the Company no longer has a Systems Innovation Group or an "All others" category, which previously existed as a separate operating segment.

The Company's assets are commingled among the various operating segments and the CODM does not use that information in making operating decisions or assessing performance. Therefore, the Company has not included asset information by segment below.

Net sales by segment are as follows:

(in thousands)	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Semiconductor Products Group	\$ 150,304	\$ 137,185	\$ 447,233	\$ 404,036
All others	—	—	—	205
Total	\$ 150,304	\$ 137,185	\$ 447,233	\$ 404,241

Income by segment and reconciliation to consolidated operating income:

(in thousands)	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Semiconductor Products Group	\$ 42,828	\$ 33,013	\$ 124,906	\$ 92,973
All others	—	25,214	—	22,738
Operating income by segment	42,828	58,227	124,906	115,711

Items to reconcile segment operating income to consolidated income before taxes

Share-based compensation	15,356	9,395	44,166	21,198
Intangible amortization	7,453	6,286	20,414	19,017
Changes in the fair value of contingent earn-out obligations	188	—	188	(162)
Other non-segment related expenses	2,252	3,139	5,221	5,939
Amortization of fair value adjustments related to acquired property, plant and equipment	—	308	190	925
Interest expense, net	2,032	1,890	6,107	5,857
Non-operating expense, net	(1,267)	690	(431)	871
Income before taxes	\$ 16,814	\$ 36,519	\$ 49,051	\$ 62,066

Information by Product Line

The Company operates exclusively in the semiconductor industry and primarily within the analog and mixed-signal sector.

The table below provides net sales activity by product line on a comparative basis:

(in thousands, except percentages)	Three Months Ended				Nine Months Ended			
	October 29, 2017		October 30, 2016		October 29, 2017		October 30, 2016	
Signal Integrity	\$ 63,921	42 %	\$ 60,550	44 %	\$ 198,645	43 %	\$ 193,745	48 %
Protection	49,366	33 %	40,250	29 %	136,673	31 %	108,296	27 %
Wireless and Sensing	31,146	21 %	24,070	18 %	92,378	21 %	60,514	15 %
Power and High-Reliability	12,120	8 %	15,984	12 %	34,263	8 %	45,150	11 %
Systems Innovation	—	— %	—	— %	—	— %	205	— %
Other: Warrant Shares	(6,249)	(4)%	(3,669)	(3)%	(14,726)	(3)%	(3,669)	(1)%
Total net sales	\$ 150,304	100 %	\$ 137,185	100 %	\$ 447,233	100 %	\$ 404,241	100 %

The cost of the Warrant granted is recognized as an offset to net sales over the respective performance period.

Geographic Information

The Company generates virtually all of its sales from its Semiconductor Products Group through sales of analog and mixed-signal devices.

Net sales activity by geographic region is as follows:

	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Asia-Pacific	75 %	80 %	74 %	79 %
North America	21 %	16 %	21 %	16 %
Europe	8 %	7 %	8 %	8 %
Other: Warrant Shares	(4)%	(3)%	(3)%	(3)%
	100 %	100 %	100 %	100 %

The Company attributes sales to a country based on the ship-to address. The table below summarizes sales activity to countries that represented greater than 10% of total net sales for at least one of the periods presented:

(percentage of total sales)	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
China (including Hong Kong)	50%	46%	50%	45%
United States	9%	11%	9%	11%

Note 14: Stock Repurchase ProgramStock Repurchase Program

The Company maintains a stock repurchase program that was initially approved by its Board of Directors in March 2008. The stock repurchase program does not have an expiration date and the Company's Board of Directors has authorized expansion of the program over the years. The following table summarizes activity under the program for the presented periods:

(in thousands, except number of shares)	Three Months Ended				Nine Months Ended			
	October 29, 2017		October 30, 2016		October 29, 2017		October 30, 2016	
	Shares	Value	Shares	Value	Shares	Value	Shares	Value
Shares repurchased under the stock repurchase program	—	\$ —	—	\$ —	312,304	\$ 10,389	23,968	\$ 538
Total treasury shares required	—	\$ —	—	\$ —	312,304	\$ 10,389	23,968	\$ 538

As of October 29, 2017, the Company had repurchased \$147.0 million in shares of its common stock under the program since inception and the remaining authorization under the program was \$51.4 million. Under the program, the Company may repurchase its common stock at any time or from time to time, without prior notice, subject to market conditions and other considerations. The Company's repurchases may be made through Rule 10b5-1 and/or Rule 10b-18 or other trading plans, open market purchases, privately negotiated transactions, block purchases or other transactions. The Company intends to fund repurchases under the program from cash on hand. The Company has no obligation to repurchase any shares under the program and may suspend or discontinue it at any time.

Note 15: Derivatives and Hedging Activities

The Company is exposed to certain risk arising from both its business operations and economic conditions and principally manages its exposures to a wide variety of business and operational risks through management of its core business activities. The Company, on a routine basis and in the normal course of business, experiences expenses denominated in Swiss Franc ("CHF"), Canadian Dollar ("CAD") and Great British Pound ("GBP"). Such expenses expose the Company to exchange rate fluctuations between these foreign currencies and the U.S. Dollar ("USD"). The Company uses derivative financial instruments in the form of forward contracts to mitigate risk associated with adverse movements in these foreign currency exchange rates on a portion of foreign denominated expenses expected to be realized during the current and following fiscal year. Currency forward contracts involve fixing the exchange rate for delivery of a specified amount of foreign currency on a specified date.

The Company's accounting treatment for these instruments is based on whether or not the instruments are designated as a hedging instrument. The Company is currently applying hedge accounting to all foreign currency derivatives and has designated these hedges as cash flow hedges.

At October 29, 2017, the Company had the following outstanding foreign exchange contracts:

(in thousands)

Foreign Exchange Contracts	Number of Instruments	Sell Notional Value	Buy Notional Value
Sell USD/Buy CAD Forward Contract	3	\$ 4,976	C\$ 6,750
Sell USD/Buy GBP Forward Contract	3	\$ 2,762	£ 2,250
Total	6		

These contracts met the criteria for cash flow hedges and the unrealized gains or losses, after tax, are recorded as a component of "Accumulated other comprehensive loss" within the Balance Sheet. The effective portions of cash flow hedges are recorded in accumulated other comprehensive income or loss ("AOCI") until the hedged item is recognized in selling, general and administrative ("SG&A") expense within the Statements of Income when the underlying hedged expense is recognized. Any ineffective portions of cash flow hedges are recorded in "Non-operating expense, net" within the Company's Statements of Income. The Company presents its derivative assets and liabilities at their gross fair values on the Balance Sheets.

The table below summarizes the carrying values of derivative instruments as of October 29, 2017 and January 29, 2017:

(in thousands)	Carrying Values of Derivative Instruments as of October 29, 2017		
	Fair Value - Assets (2)	Fair Value - (Liabilities) (2)	Derivative Net Carrying Value
Derivatives designated as hedging instruments			
Foreign exchange contracts ⁽¹⁾	\$ 482	\$ —	\$ 482
Total derivatives	\$ 482	\$ —	\$ 482
	Carrying Values of Derivative Instruments as of January 29, 2017		
	Fair Value - Assets (2)	Fair Value - (Liabilities) (2)	Derivative Net Carrying Value
Derivatives designated as hedging instruments			
Foreign exchange contracts ⁽¹⁾	\$ 326	\$ —	\$ 326
Total derivatives	\$ 326	\$ —	\$ 326

(1) Assets are included in "Other current assets" and liabilities are included in "Accrued liabilities" within the Balance Sheets.

(2) The fair values of the foreign exchange forward contracts are valued using Level 2 inputs. Please refer to Note 6.

The following table summarizes the amount of income recognized from derivative instruments for the three months ended October 29, 2017 and October 30, 2016 as well as the line items within the accompanying Statements of Income where the results are recorded for cash flow hedges:

(in thousands)	Amount of Gain (Loss) Recognized in AOCI on Derivative (Effective Portion)		Location of Gain or Loss into Income (Effective Portion)	Amount of (Gain) Loss Reclassified from AOCI into Income (Effective Portion)		Location of Gain or Loss Recognized in Income on Derivative (Ineffective Portion and Amount Excluded from Effectiveness Testing)	Amount of Gain (Loss) Recognized in Income on Derivative (Ineffective Portion and Amount Excluded from Effectiveness Testing)	
	Three Months Ended			Three Months Ended			Three Months Ended	
	October 29, 2017	October 30, 2016		October 29, 2017	October 30, 2016		October 29, 2017	October 30, 2016
Sell USD/Buy CHF Forward Contract	\$ —	\$ (85)	SG&A	\$ —	\$ (24)	SG&A	\$ —	\$ (1)
Sell USD/Buy CAD Forward Contract	(184)	(141)	SG&A	(442)	(334)	SG&A	(1)	—
Sell USD/Buy GBP Forward Contract	(9)	(196)	SG&A	(208)	270	SG&A	—	(2)
	<u>\$ (193)</u>	<u>\$ (422)</u>		<u>\$ (650)</u>	<u>\$ (88)</u>		<u>\$ (1)</u>	<u>\$ (3)</u>

The following table summarizes the amount of income recognized from derivative instruments for the nine months ended October 29, 2017 and October 30, 2016 as well as the line items within the accompanying Statements of Income where the results are recorded for cash flow hedges:

(in thousands)	Amount of Gain (Loss) Recognized in AOCI on Derivative (Effective Portion)		Location of Gain or Loss into Income (Effective Portion)	Amount of (Gain) Loss Reclassified from AOCI into Income (Effective Portion)		Location of Gain or Loss Recognized in Income on Derivative (Ineffective Portion and Amount Excluded from Effectiveness Testing)	Amount of Gain (Loss) Recognized in Income on Derivative (Ineffective Portion and Amount Excluded from Effectiveness Testing)	
	Nine Months Ended			Nine Months Ended			Nine Months Ended	
	October 29, 2017	October 30, 2016		October 29, 2017	October 30, 2016		October 29, 2017	October 30, 2016
Sell USD/Buy CHF Forward Contract	\$ —	\$ 51	SG&A	\$ —	\$ (72)	SG&A	\$ —	\$ —
Sell USD/Buy CAD Forward Contract	819	1,113	SG&A	(532)	(909)	SG&A	(4)	5
Sell USD/Buy GBP Forward Contract	296	(843)	SG&A	(428)	435	SG&A	—	(3)
	<u>\$ 1,115</u>	<u>\$ 321</u>		<u>\$ (960)</u>	<u>\$ (546)</u>		<u>\$ (4)</u>	<u>\$ 2</u>

The amount of losses related to the effective portion of derivative instruments designated as cash flow hedges included in AOCI within the Balance Sheets for the three months ended October 29, 2017 and October 30, 2016 was \$0.8 million and \$0.5 million, respectively. The amount of gains related to the effective portion of derivative instruments designated as cash flow hedges included in AOCI within the Balance Sheets for the nine months ended October 29, 2017 and October 30, 2016 was \$0.2 million and \$0.2 million, respectively. Any gains or losses under these contracts are expected to be realized and reclassified to selling, general and administrative within the next three months.

ITEM 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following "Management's Discussion and Analysis of Financial Condition and Results of Operations" should be read in conjunction with our unaudited consolidated financial statements and the accompanying notes included in Part I, Item 1 of this Quarterly Report on Form 10-Q (this "Quarterly Report") and the "Special Note Regarding Forward-Looking and Cautionary Statements" in this Quarterly Report.

Overview

Semtech Corporation (together with its consolidated subsidiaries, the "Company", "we", "our", or "us") designs, develops, manufactures and markets high-performance analog, mixed signal semiconductors and advanced algorithms. We operate and account for results in one reportable segment. Prior to the third quarter of fiscal year 2017, we also had one non-reportable segment. See Note 13 to our unaudited consolidated financial statements. The Company's interim unaudited consolidated balance sheets are referred to herein as the "Balance Sheets" and interim unaudited consolidated statements of income are referred to herein as the "Statements of Income."

Our product lines include:

Signal Integrity Products. We design, develop and market a portfolio of optical communications, broadcast video and video over IP products used in a wide variety of enterprise computing, industrial, communications and high-end consumer applications. Our comprehensive portfolio of integrated circuits ("ICs") for datacenter, enterprise, passive optical network ("PON"), and wireless basestation optical transceivers and high-speed interfaces ranges from 100Mbps to 400Gbps and supports key industry standards such as Fibre Channel, Infiniband, Ethernet, PON and SONET. Our video products offer advanced solutions for next generation broadcast applications at ever increasing data rates, as well as highly differentiated video over IP technology for Pro AV applications.

Protection Products. We design, develop and market high performance protection devices, which are often referred to as transient voltage suppressors ("TVS"). TVS devices provide protection for electronic systems where voltage spikes (called transients), such as electrostatic discharge, electrical over stress or secondary lightning surge energy, can permanently damage sensitive semiconductor ICs. Our portfolio of protection solutions include filter and termination devices that are integrated with the TVS device. Our products provide robust protection while preserving signal integrity in high-speed communications, networking and video interfaces. These products also operate at very low voltage. Our protection products can be found in a broad range of applications including smart phones, LCD and organic light-emitting diode TVs, set-top boxes, monitors and displays, tablets, computers, notebooks, base stations, routers, automobile and industrial instruments.

Wireless and Sensing Products. We design, develop and market a portfolio of specialized RF products used in a wide variety of industrial, medical and communications applications, and specialized sensing products used in industrial and consumer applications. Our wireless products, which include our LoRa® devices and radio frequency technology, feature industry leading and longest range industrial, scientific and medical radio, enabling a lower total cost of ownership and increased reliability in all environments. This makes these products particularly suitable for machine to machine and IoT applications. Our unique sensing interface platforms can interface to any sensor and output digital data in any form. Specifically, the proximity sensing capability of our devices enable advanced user interface solutions for mobile and consumer products. Our wireless and sensing products can be found in a broad range of applications in the industrial, medical and consumer markets.

Power and High-Reliability Products. We design, develop and market power product devices that control, alter, regulate and condition the power within electronic systems. The highest volume product types within the power product line are switching voltage regulators, combination switching and linear regulators, smart regulators, isolated switches and charge pumps, and wireless charging. Our Power products feature highly integrated functionality for the communications, industrial and computing markets and low-power, small form factor and high-efficiency products for smart phones and other mobile devices, notebook computers, computer peripherals and other consumer devices. The primary application for these products is power regulation for enterprise computing, communications, high-end consumer and industrial systems. Our high-reliability discrete semiconductor products are comprised of rectifiers, assemblies (packaged discrete rectifiers) and other products that are typically used to convert alternating currents into direct currents and to protect circuits against very high voltage spikes or high current surges.

Our High-Reliability products can be found in a broad range of applications including industrial, military, medical, automotive, aerospace and defense systems, including satellite communications.

Systems Innovation Group. Prior to the third quarter of fiscal year 2017, we had a Systems Innovation Group which combined the analog/mixed signal design competencies from our previous Sierra Monolithics, Inc. and Gennum Corporation acquisitions and was chartered with developing innovative analog/mixed signal intellectual property ("IP") for emerging systems.

On August 5, 2016, we completed the divestiture of our Snowbush IP business (the remaining part of our Systems Innovation Group) to Rambus Inc. ("Rambus") for \$32.0 million in cash along with the opportunity to receive additional payments from Rambus through 2022 based upon a percentage of sales by Rambus of new products expected to be developed by Rambus from the disposed assets. In fiscal year 2017, we recorded a gain of \$25.5 million on the disposition of this business. Other than this gain, the divestiture did not and is not expected to have a material impact on our consolidated financial statements. Following the divestiture, as of January 29, 2017, we no longer have a Systems Innovation Group.

Our net sales by product line are as follows:

(in thousands)	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Signal Integrity	\$ 63,921	\$ 60,550	\$ 198,645	\$ 193,745
Protection	49,366	40,250	136,673	108,296
Wireless and Sensing	31,146	24,070	92,378	60,514
Power and High-Reliability	12,120	15,984	34,263	45,150
Systems Innovation	—	—	—	205
Other: Warrant Shares ⁽¹⁾	(6,249)	(3,669)	(14,726)	(3,669)
Total	\$ 150,304	\$ 137,185	\$ 447,233	\$ 404,241

(1) On October 5, 2016, we issued a warrant (the "Warrant") to Comcast Cable Communications Management LLC ("Comcast") to purchase up to 1,086,957 shares (the "Warrant Shares") of our common stock. The Warrant was issued by us to Comcast in connection with an agreement between the parties regarding the intended trial deployment by Comcast of a low-power wide-area Network ("LPWAN") in the United States, based on our LoRa® devices and wireless radio frequency technology. The Warrant is accounted for as equity and the cost is recognized as an offset to net sales over the respective performance period which is expected to be completed by April 2018. The Warrant consists of five performance tranches. The cost associated with each tranche is recognized based on the fair value at each reporting date until vesting which is the measurement date.

Most of our sales to customers are made on the basis of individual customer purchase orders. Many customers include cancellation provisions in their purchase orders. Trends within the industry toward shorter lead-times and "just-in-time" deliveries have resulted in our reduced ability to predict future shipments. As a result, we rely on orders received and shipped within the same quarter for a significant portion of our sales. Orders received and shipped in the third quarters of fiscal years 2018 and 2017 represented 66% and 64% of net sales, respectively. Sales made directly to customers during the third quarters of fiscal years 2018 and 2017 were 34% and 36% of net sales, respectively. The remaining sales were made through independent distributors. Our business relies on foreign-based entities. Most of our outside subcontractors and suppliers, including third-party foundries that supply silicon wafers, are located in foreign countries, including China, Taiwan and Israel. For the third quarter of fiscal years 2018 and 2017, approximately 21% and 24%, respectively, of the Company's silicon in terms of cost of wafers was supplied by a third-party foundry in China, and these percentages could be higher in future periods. Foreign sales during the third quarter of fiscal years 2018 and 2017 constituted approximately 91% and 89%, respectively, of our net sales. Approximately 82% and 87% of foreign sales during the third quarters of fiscal years 2018 and 2017, respectively, were to customers located in the Asia-Pacific region. The remaining foreign sales were primarily to customers in Europe, Canada, and Mexico.

We use several metrics as indicators of future potential growth. The indicators that we believe best correlate to potential future revenue growth are design wins and new product releases. There are many factors that may cause a design win or new product release not to result in sales, including a customer decision not to go to system production, a change in a customer's perspective regarding a product's value or a customer's product failing in the end-market. As a result, although a design win or new product introduction is an important step towards generating future revenue, it does not inevitably result in us being awarded business or receiving a purchase commitment.

Historically, our results have reflected some seasonality, with demand levels generally lower in the enterprise computing and high-end consumer product lines during the first and fourth quarters of our fiscal year in comparison to the second and third quarters.

Critical Accounting Policies and Estimates

In addition to the discussion below, please refer to the disclosures regarding our critical accounting policies in "Management's Discussion and Analysis of Financial Condition and Results of Operations" included in Item 7 of our Annual Report on Form 10-K for the fiscal year ended January 29, 2017 filed with the Securities and Exchange Commission ("SEC") on March 23, 2017.

Fiscal Periods

We report results on the basis of 52 and 53 week periods and end our fiscal year on the last Sunday in January. The other quarters generally end on the last Sunday of April, July and October. All quarters consist of 13 weeks except for one 14-week period in the fourth quarter of 53-week years. The third quarter of fiscal years 2018 and 2017 each consisted of 13 weeks.

Revenue and Cost of Sales

We recognize product revenue when persuasive evidence of an arrangement exists, delivery has occurred, the fee is fixed or determinable and collectability is probable. Product design and engineering recoveries are recognized during the period in which services are performed and are recorded as an offset to the related expenses. Historically, these recoveries have not exceeded the cost of the related development efforts. We include revenue related to technology licenses as part of net sales. Historically, revenue from these arrangements has not been significant though it is part of our recurring ordinary business.

On October 5, 2016, we issued a Warrant to Comcast to purchase up to 1,086,957 Warrant Shares of our common stock. The cost of the Warrant is recognized as an offset to net sales over the respective performance period since the Warrant was issued to our customer in exchange for services.

We record a provision for estimated sales returns in the same period as the related sales are recorded. We base these estimates on historical sales returns and other known factors. Actual returns could be different from our estimates and current provisions for sales returns and allowances, resulting in future charges to earnings.

We record a provision for sales rebates in the same period as the related sales are recorded. These sales provisions include an estimate of rebates attributable to sales made through authorized distributors. As a result of these estimates, actual rebates may differ from our estimates and current provisions for sales rebates, resulting in future charges to earnings.

We defer revenue recognition on shipment of products to certain customers, principally distributors, under agreements which provide for limited pricing credits or product return privileges, until these products are sold through to end users or the return privileges lapse. For sales subject to certain pricing credits or return privileges, the amount of future pricing credits or inventory returns cannot be reasonably estimated given the relatively long period in which a particular product may be held by the customer. Therefore, we have concluded that sales to customers under these agreements are not fixed and determinable at the date of the sale and revenue recognition has been deferred. We estimate the deferred gross margin on these sales by applying an average gross margin to the actual gross sales. The average gross margin is calculated for each category of material using current standard costs. The estimated deferred gross margin on these sales, where there are no outstanding receivables, is recorded within the Balance Sheets within the heading of "Deferred revenue." There were no significant impairments of deferred cost of revenues in the first nine months of fiscal years 2018 or 2017.

The following table summarizes the deferred revenue balance:

(in thousands)	October 29, 2017	January 29, 2017
Deferred revenues	\$ 10,500	\$ 11,419
Deferred cost of revenues	(2,424)	(2,246)
Deferred revenue, net	8,076	9,173
Deferred product design and engineering recoveries	4,653	2,886
Total deferred revenue	\$ 12,729	\$ 12,059

Gross Profit

Gross profit is equal to our net sales less our cost of sales. Our cost of sales includes materials, depreciation on fixed assets used in the manufacturing process, shipping costs, direct labor and overhead. We determine the cost of inventory by the first-in, first-out method.

Operating Costs

Our operating costs and expenses generally consist of selling, general and administrative, product development and engineering costs, costs associated with acquisitions, restructuring charges, and other operating related charges.

Results of Operations

The following table sets forth, for the periods indicated, our Statements of Income expressed as a percentage of revenues.

	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Net sales	100.0 %	100.0 %	100.0 %	100.0 %
Cost of sales	40.5 %	40.9 %	40.4 %	40.3 %
Gross profit	59.5 %	59.1 %	59.6 %	59.7 %
Operating costs and expenses:				
Selling, general and administrative	24.3 %	25.6 %	24.6 %	25.1 %
Product development and engineering	18.4 %	18.7 %	18.1 %	19.1 %
Intangible amortization	5.0 %	4.6 %	4.6 %	4.7 %
(Gain) loss on disposition of business operations	— %	(18.2)%	0.1 %	(6.2)%
Changes in the fair value of contingent earn-out obligations	0.1 %	— %	— %	— %
Total operating costs and expenses	47.8 %	30.6 %	47.4 %	42.7 %
Operating income	11.7 %	28.5 %	12.2 %	17.0 %
Interest expense, net	(1.4)%	(1.4)%	(1.4)%	(1.4)%
Non-operating income (expense), net	0.8 %	(0.5)%	0.1 %	(0.2)%
Income before taxes and equity in net losses of equity method investments	11.2 %	26.6 %	11.0 %	15.4 %
Provision for taxes	2.2 %	4.2 %	2.5 %	3.8 %
Net income before equity in net losses of equity method investments	9.0 %	22.4 %	8.5 %	11.5 %
Equity in net losses of equity method investments	(0.1)%	— %	— %	— %
Net income	8.9 %	22.4 %	8.4 %	11.5 %

Percentages may not add precisely due to rounding.

Our regional mix of income (loss) from continuing operations before taxes and equity in net losses of equity method investments is as follows:

(in thousands)	Three Months Ended		Nine Months Ended	
	October 29, 2017	October 30, 2016	October 29, 2017	October 30, 2016
Domestic	\$ (2,366)	\$ 937	\$ (11,396)	\$ (13,048)
Foreign	19,180	35,582	60,447	75,114
Total	\$ 16,814	\$ 36,519	\$ 49,051	\$ 62,066

Domestic performance from continuing operations includes amortization of acquired intangible assets and higher levels of share-based compensation compared to foreign operations.

Recent Accounting Pronouncements

New accounting standards are discussed in Note 1 to our consolidated financial statements, included in Item 1, of this Quarterly Report on Form 10-Q.

Comparison of the Three Months Ended October 29, 2017 and October 30, 2016

All periods presented in the following summary of sales by major end-market reflect our current classification methodology (see Note 1 to our consolidated financial statements in this Quarterly Report for a description of each market category):

(in thousands, except percentages)	Three Months Ended			
	October 29, 2017		October 30, 2016	
Enterprise Computing	\$ 47,779	32 %	\$ 37,239	27 %
Industrial	43,178	29 %	36,931	27 %
High-End Consumer	48,671	32 %	41,924	31 %
Communications	16,925	11 %	24,760	18 %
Other: Warrant Shares	(6,249)	(4)%	(3,669)	(3)%
Total	\$ 150,304	100 %	\$ 137,185	100 %

Net Sales

Net sales for the third quarter of fiscal year 2018 were \$150.3 million, an increase of 10% compared to \$137.2 million for the third quarter of fiscal year 2017. During the third quarter of fiscal year 2018, we benefited from strength in our high-end consumer end-market due to higher demand from our largest Korean customer and growing demand for our LoRa® products. This strength was partially offset by lower net sales of our power and high-reliability products and the \$6.2 million impact from the Warrant granted to Comcast which offset net sales.

Based on recent bookings trends and our backlog entering the quarter, we estimate net sales for the fourth quarter of fiscal year 2018 to be between \$131.5 million and \$135.5 million.

Gross Profit

In the third quarter of fiscal year 2018, gross profit increased to \$89.4 million from \$81.1 million in the third quarter of fiscal year 2017 driven by higher sales. Gross margins were 59.5% in the third quarter of fiscal year 2018 compared to 59.1% in the third quarter of fiscal year 2017. In the third quarter of fiscal year 2018, the benefit of a favorable mix of higher margin product sales was offset by the impact of the Warrant granted to Comcast.

In the fourth quarter of fiscal year 2018, we expect our gross margins to be in the range of 58.8% to 59.9%.

Operating Costs and Expenses

(in thousands, except percentages)	Three Months Ended				Change
	October 29, 2017		October 30, 2016		
Selling, general and administrative	\$ 36,568	52%	\$ 35,116	84 %	4 %
Product development and engineering	27,631	38%	25,600	61 %	8 %
Intangible amortization	7,453	10%	6,286	15 %	19 %
Gain on disposition of business operations	—	—%	(25,036)	(60)%	(100)%
Changes in the fair value of contingent earn-out obligations	188	—%	—	— %	100 %
Total operating costs and expenses	\$ 71,840	100%	\$ 41,966	100 %	71 %

Selling, General and Administrative Expenses

Selling, general and administrative ("SG&A") expenses increased in the third quarter of fiscal year 2018 compared to the same quarter of fiscal year 2017 as a result of higher share-based compensation costs. The higher levels of share-based compensation expense primarily resulted from higher levels of anticipated performance achievement, for awards with performance-based vesting conditions, the impact of increases in our stock price and the related fair value re-measurement of awards accounted for as a liability rather than equity.

Product Development and Engineering Expenses

Product development and engineering expenses increased slightly in the third quarter of fiscal year 2018 compared to the third quarter of fiscal year 2017 as a result of higher equity compensation and lower recoveries of non-recurring engineering services.

The levels of product development and engineering expenses reported in a fiscal period can be significantly impacted, and therefore experience period over period volatility, by the number of new product tape-outs and by the timing of recoveries from non-recurring engineering services which are typically recorded as a reduction to product development and engineering expense.

Intangible Amortization

Intangible amortization was \$7.5 million and \$6.3 million in the third quarter of fiscal years 2018 and 2017, respectively. The increase relates entirely to the addition of intangibles related to the acquisition of AptoVision Technologies Inc. ("AptoVision") in July 2017.

Interest Expense

Interest and amortization of debt discount and expense was \$2.0 million and \$1.9 million in the third quarter of fiscal years 2018 and 2017, respectively. The impact of higher LIBOR rates on interest expense was offset by lower overall debt levels and lower interest rate margins resulting from an improved leverage ratio.

We expect the interest rate on our credit facility to increase slightly in the fourth quarter of fiscal year 2018 as a result of higher anticipated LIBOR rates. See "Liquidity and Capital Resources" for a description of our credit facility.

Income Taxes

The effective tax rates for the third quarter of fiscal years 2018 and 2017 were a provision of 19.5% and 15.7%, respectively. In the third quarter of fiscal year 2018, we recorded an income tax provision of \$3.3 million compared to \$5.7 million in the third quarter of fiscal year 2017. The effective tax rate in the third quarter of fiscal year 2018 was higher than the effective tax rate in third quarter of fiscal year 2017 primarily due to lower pretax book income and the mix of regional earnings.

Our effective tax rate in the third quarter of fiscal year 2018 differs from the statutory federal income tax rate of 35% primarily due to a valuation reserve against our deferred tax assets and certain undistributed foreign earnings for which no U.S taxes are provided. As a result of the valuation reserves that we maintain against our U.S. based deferred tax assets, our effective tax rate is subject to extreme volatility depending on the changes in our U.S. profitability in relation to total income from continuing operations before income taxes.

We intend to indefinitely reinvest all of our unremitted foreign earnings and, as a result, have not provided U.S. taxes on these earnings. We currently do not need these earnings to support our U.S. operations. If these unremitted foreign earnings are needed for our U.S. operations or can no longer be permanently reinvested outside the U.S., we would be required to accrue and pay U.S. taxes on these earnings. Some proposals in "The Tax Cuts and Jobs Act" would require us to pay taxes on foreign earnings that would create volatility in our future cash taxes and tax rates. Although it is too early to understand the final impact, under current proposals we would expect to have a cash tax liability on our cumulative unremitted foreign earnings.

As a global organization, we are subject to audit by taxing authorities in various jurisdictions. To the extent that an audit, or the closure of a statute of limitations, results in our adjusting our reserves for uncertain tax positions, our effective tax rate could experience extreme volatility since any adjustment would be recorded as a discrete item in the period of adjustment.

Comparison of the Nine Months Ended October 29, 2017 and October 30, 2016

All periods presented in the following summary of sales by major end-market reflect our current classification methodology (see Note 1 to our consolidated financial statements in this Quarterly Report for a description of each market category):

(in thousands, except percentages)	Nine Months Ended			
	October 29, 2017		October 30, 2016	
Enterprise Computing	\$ 149,270	33 %	\$ 119,612	30 %
Industrial	115,978	26 %	106,269	26 %
High-End Consumer	140,043	31 %	108,515	27 %
Communications	56,668	13 %	73,514	18 %
Other: Warrant Shares	(14,726)	(3)%	(3,669)	(1)%
Total	\$ 447,233	100 %	\$ 404,241	100 %

Net Sales

Net sales for the first nine months of fiscal year 2018 were \$447.2 million, an increase of 10.6% compared to \$404.2 million for the first nine months of fiscal year 2017. During the first nine months of fiscal year 2018, we benefited from strength in our high-end consumer end-market due to higher demand from our largest Korean customer and growing demand for our LoRa® and proximity sensing products. This strength was partially offset by lower demand for our power and high-reliability products and the impact from the Warrant granted to Comcast which offset net sales.

Gross Profit

In the first nine months of fiscal year 2018, gross profit increased to \$266.6 million from \$241.4 million in the first nine months of fiscal year 2017. Gross margins were 59.6% in the first nine months of fiscal year 2018 compared to 59.7% in the first nine months of fiscal year 2017. The decline in gross margins in the first nine months of fiscal year 2018 resulted from the unfavorable impact of the Warrant granted to Comcast, partially offset by a more favorable mix of higher margin product sales.

Operating Costs and Expenses

(in thousands, except percentages)	Nine Months Ended				Change
	October 29, 2017		October 30, 2016		
Selling, general and administrative	\$ 109,820	51%	\$ 101,654	59%	8%
Product development and engineering	81,046	38%	77,097	45%	5%
Intangible amortization	20,414	11%	19,017	11%	7%
Loss (gain) on disposition of business operations	375	—%	(25,036)	(15)%	(101)%
Changes in the fair value of contingent earn-out obligations	188	—%	(162)	—%	(216)%
Total operating costs and expenses	<u>\$ 211,843</u>	<u>100%</u>	<u>\$ 172,570</u>	<u>100%</u>	<u>23%</u>

Selling, General and Administrative Expenses

SG&A expenses increased in the first nine months of fiscal year 2018 compared to the first nine months of fiscal year 2017 as a result of a \$10.2 million increase in share-based compensation expense. The higher levels of share-based compensation expense primarily resulted from much higher levels of anticipated performance achievement, for awards with performance-based vesting conditions, and the impact of increases in our stock price and the related fair value re-measurement of awards accounted for as a liability rather than equity.

Product Development and Engineering Expenses

Product development and engineering expenses increased in the first nine months of fiscal year 2018 compared to the first nine months of fiscal year 2017 as a result of a \$1.7 million increase in share-based compensation expenses and lower recoveries from non-recurring engineering services.

The levels of product development and engineering expenses reported in a fiscal period can be significantly impacted, and therefore experience period over period volatility, by the number of new product tape-outs and by the timing of recoveries from non-recurring engineering services which are typically recorded as a reduction to product development and engineering expense.

Intangible Amortization

Intangible amortization was \$20.4 million and \$19.0 million in the first nine months of fiscal years 2018 and 2017, respectively. The increase relates entirely to the addition of intangibles related to the acquisition of AptoVision in July 2017.

Interest Expense

Interest and amortization of debt discount and expense was \$6.1 million and \$5.9 million in the first nine months of fiscal year 2018 and 2017, respectively. The impact of higher LIBOR rates is being partially offset by lower overall debt levels and lower interest rate margins resulting from an improved leverage ratio.

Income Taxes

The effective tax rates for the first nine months of fiscal years 2018 and 2017 were a provision of 22.7% and 24.9%, respectively. In the first nine months of fiscal year 2018, we recorded an income tax provision of \$11.1 million compared to \$15.4 million in the first nine months of fiscal year 2017. The effective tax rate in the first nine months of fiscal year 2018 was lower than the effective tax rate in the first nine months of fiscal year 2017 primarily due to favorability in regional mix of pre-tax book income.

Our effective tax rate in the first nine months of fiscal year 2018 differs from the statutory federal income tax rate of 35% primarily due to a valuation reserve against our deferred tax assets and certain undistributed foreign earnings for which no U.S. taxes are provided. As a result of the valuation reserves that we maintain against our U.S. based deferred tax assets, our effective tax rate is subject to extreme volatility depending on the changes in our U.S. profitability in relation to total income from continuing operations before income taxes.

Liquidity and Capital Resources

Our capital requirements depend on a variety of factors, including but not limited to, the rate of increase or decrease in our existing business base; the success, timing and amount of investment required to bring new products to market; revenue growth

or decline; and potential acquisitions. We believe that we have the financial resources necessary to meet business requirements for the next 12 months, including funds needed for working capital requirements.

As of October 29, 2017, our total stockholders' equity was \$664.7 million. At that date, we also had approximately \$291.1 million in cash and cash equivalents and \$230.1 million of borrowings, net of debt discount.

We believe that sources and uses of cash when used in conjunction with GAAP measures provide useful information to investors in evaluating our cash flows. Our primary sources and uses of cash for the corresponding periods are presented below (non-GAAP):

(in millions)	Nine Months Ended	
	October 29, 2017	October 30, 2016
Sources of Cash		
Operating activities	\$ 72.9	\$ 84.7
Proceeds from convertible debt settlement	5.7	—
Proceeds from sales of property, plant and equipment	0.2	—
Proceeds from disposition of business operations	—	32.0
Proceeds from sales of investments	—	0.6
Proceeds from exercise of stock options	5.3	1.7
	\$ 84.1	\$ 119.0
Uses of Cash		
Purchase of property, plant and equipment	(26.8)	(13.8)
Purchase of investments	(13.3)	(3.3)
Acquisition, net of cash acquired	(17.6)	—
Payments of term loans	(11.3)	(9.4)
Payment for employee share-based compensation payroll taxes	(10.7)	(5.9)
Repurchase of outstanding common stock	(10.4)	(0.5)
	\$ (90.1)	\$ (32.9)
Net (decrease) increase in cash and cash equivalents	\$ (6.0)	\$ 86.1

In summary, our cash flows for each period were as follows:

(in millions)	Nine Months Ended	
	October 29, 2017	October 30, 2016
Net cash provided by operating activities	\$ 72.9	\$ 84.7
Net cash (used in) provided by investing activities	(51.9)	15.6
Net cash used in financing activities	(27.0)	(14.2)
Net (decrease) increase in cash and cash equivalents	\$ (6.0)	\$ 86.1

We incur significant expenditures in order to fund the development, design, and manufacture of new products. We intend to continue to focus on those areas that have shown potential for viable and profitable market opportunities, which may require additional investment in equipment and the hiring of additional design and application engineers aimed at developing new products. Certain of these expenditures, particularly the addition of design engineers, do not generate significant payback in the short-term. We plan to finance these expenditures with cash generated by our operations and our existing cash balances.

A meaningful portion of our capital resources, and the liquidity they represent, are held by our foreign subsidiaries. As of October 29, 2017, our foreign subsidiaries held approximately \$209.1 million of cash and cash equivalents compared to \$224.6 million at January 29, 2017. Earnings previously taxed in the U.S. of \$18.7 million can be repatriated subject only to a 5% withholding tax, as we do not assert permanent reinvestment of earnings previously taxed in the U.S. As of October 29, 2017, our foreign subsidiaries had \$634.0 million of unremitted earnings for which no Federal or state taxes have been provided. Those historical earnings have been and are expected to continue to be permanently reinvested.

One of our primary goals is to improve the cash flows from our existing business activities. Additionally, we will continue to seek to maintain and improve our existing business performance with capital expenditures and, potentially, acquisitions and

other investments that support achievement of our business strategies. Acquisitions may be made for either cash or stock consideration, or a combination of both.

Operating Activities

Net cash provided by operating activities is primarily due to net income adjusted for non-cash items plus fluctuations in operating assets and liabilities.

Operating cash flow for the first nine months of fiscal year 2018 was impacted by the disbursement of \$19.6 million of supplemental compensation, which is aligned with our financial performance and is normally settled in the first quarter of each fiscal year. Foreign tax payments of \$17.5 million during the first nine months of fiscal year 2018 were primarily made in Canada and included acquired AptoVision tax liabilities of \$6.0 million. Additionally, we have increased spending to build inventory to support higher product demand. Accounts receivable increased by \$15.0 million since January 29, 2017 due to revenue growth.

Investing Activities

Cash flows used in investing activities are primarily attributable to equity investments and capital expenditures, net of proceeds from sales of investments and property, plant and equipment. Investing activities are also impacted by acquisitions, net of any cash received.

Capital expenditures were \$26.8 million for the first nine months of fiscal year 2018 compared to \$13.8 million for the first nine months of fiscal year 2017.

In the first nine months of fiscal year 2018, we made \$13.3 million of strategic investments in companies that are enabling the LoRaWAN™ ecosystem and developing technologies to support the requirements of our customers'.

On July 1, 2017, we acquired AptoVision for an upfront cash payment of \$17.6 million at closing, net of acquired cash, and a commitment to pay an additional contingent consideration of up to a maximum of \$47.0 million over three years if certain goals are achieved in each of the earn out periods. We expect to fund any obligations associated with the additional cash consideration with cash generated by our operations and our existing cash balances.

Financing Activities

Cash flows used in financing activities are primarily attributable to principal and interest payments related to our long-term debt and repurchase of outstanding common stock.

In the first nine months of fiscal year 2018, we received \$5.3 million in proceeds from the exercise of stock options compared to \$1.7 million in the first nine months of fiscal year 2017.

We do not directly control the timing of the exercise of stock options. Such exercises are independent decisions made by grantees and are influenced most directly by the stock price and the expiration dates of stock option awards. Such proceeds are difficult to forecast, resulting from several factors which are outside our control. We believe that such proceeds will remain a nominal source of cash in the future.

Credit Facilities

On November 15, 2016 (the "Closing Date"), we entered into an amended and restated credit agreement (the "Credit Agreement") to refinance our prior credit agreement. We accounted for the Credit Agreement as a debt modification. Pursuant to the Credit Agreement, the Lenders provided us with senior secured first lien credit facilities in an aggregate principal amount of \$400.0 million, consisting of term loans in an aggregate principal amount of \$150.0 million (the "Term Loans") and revolving commitments in an aggregate principal amount of \$250.0 million (the "Revolving Commitments"). Up to \$40.0 million of the Revolving Commitments may be used to obtain letters of credit, up to \$25.0 million of the Revolving Commitments may be used to obtain swing line loans, and up to \$40.0 million of the Revolving Commitments may be used to obtain revolving loans and letters of credit in certain currencies other than U.S. Dollars ("Alternative Currencies"). Each of the Term Loans and the Revolving Commitments is scheduled to mature on November 12, 2021.

The Credit Agreement refinanced our existing \$400.0 million senior secured first lien credit facilities. All of the proceeds of the Term Loans were used to repay in full all of the obligations outstanding under the prior credit agreement and to pay transaction costs in connection with such refinancing and the Credit Agreement. As of October 29, 2017 we have \$135.0 million outstanding under our Term Loans and \$97.0 million outstanding under our Revolving Commitments.

As of October 29, 2017, \$153.0 million of the Revolving Commitments were undrawn. The proceeds of the revolving credit facility may be used by us for capital expenditures, permitted acquisitions, permitted dividends, working capital and general corporate purposes.

The Credit Agreement provides that, subject to certain conditions, we may request, at any time and from time to time, the establishment of one or more additional term loan facilities and/or increases to the Revolving Commitments in an aggregate principal amount not to exceed the sum of (a) \$150.0 million and (b) the aggregate principal amount of all voluntary prepayments of Term Loans made prior to the date of incurrence of such additional term loan facilities and/or increases to the Revolving Commitments; however, the Lenders are not required to provide such increase upon our request.

Interest on loans made under the Credit Agreement in U.S. Dollars accrues, at our option, at a rate per annum equal to (1) the Base Rate (as defined below) plus a margin ranging from 0.25% to 1.25% depending upon our consolidated leverage ratio or (2) LIBOR (determined with respect to deposits in U.S. Dollars) for an interest period to be selected by us plus a margin ranging from 1.25% to 2.25% depending upon our consolidated leverage ratio (such margin, the "Applicable Margin"). The "Base Rate" is equal to a fluctuating rate equal to the highest of (a) the prime rate of the Administrative Agent, (b) ½ of 1% above the federal funds effective rate published by the Federal Reserve Bank of New York and (c) one-month LIBOR (determined with respect to deposits in U.S. Dollars) plus 1.00%.

Interest on loans made under the Credit Agreement in Alternative Currencies accrues at a rate per annum equal to LIBOR (determined with respect to deposits in the applicable Alternative Currency) (other than loans made in Canadian Dollars, for which a special reference rate for Canadian Dollars applies) for an interest period to be selected by us plus the Applicable Margin.

The outstanding principal balance of the Term Loans will be subject to repayment in equal quarterly installments beginning on the last day of our fiscal quarter ending closest to January 31, 2017 in an amount equal to 10.0% per annum of the original principal amount of the Term Loans on the Closing Date in the first two years after such date, 12.5% per annum in years three and four after such date, and 15.0% per annum in year five after such date, with the balance being due at maturity on November 12, 2021. No amortization is required with respect to the revolving credit facility. We may voluntarily prepay borrowings under the new credit facilities at any time and from time to time, without premium or penalty, other than customary "breakage costs" and fees for LIBOR-based loans.

The Term Loans must be mandatorily prepaid using the proceeds of certain dispositions of assets and receipt of insurance proceeds, subject to agreed upon thresholds and exceptions and customary reinvestment rights.

Stock Repurchase Program

We currently have in effect a stock repurchase program that was initially approved by our Board of Directors in March 2008. This program represents one of our principal efforts to return value to our stockholders. We repurchased 312,304 shares under this program in the first nine months of fiscal year 2018 for \$10.4 million. In the first nine months of fiscal year 2017, we repurchased 23,968 shares under this program for \$0.5 million. We currently have \$51.4 million available under this program that may be used for future repurchases.

Off-Balance Sheet Arrangements

We do not have any off-balance sheet arrangements, as those arrangements are defined by the SEC, that are reasonably likely to have a material effect on our financial condition, revenues or expenses, operating results, liquidity, capital expenditures or capital resources.

We do not have any unconsolidated subsidiaries or affiliated entities. We have no special purpose or limited purpose entities that provide off-balance sheet financing, liquidity or market or credit risk support. We do not engage in leasing, hedging, research and development services, or other relationships that expose us to liability that is not reflected on the face of the consolidated financial statements.

Contractual Obligations

There were no material changes in our contractual obligations during the first nine months of fiscal year 2018 from those disclosed in "Management's Discussion and Analysis of Financial Condition and Results of Operations" included in Item 7 of our Annual Report on Form 10-K for the fiscal year ended January 29, 2017 filed with the SEC on March 23, 2017.

Inflation

Inflationary factors have not had a significant effect on our performance over the past several years. A significant increase in inflation would affect our future performance.

Available Information

General information about us can be found on our website at www.semtech.com. The information on our website is for informational purposes only and should not be relied on for investment purposes. The information on our website is not incorporated by reference into this Quarterly Report and should not be considered part of this or any other report filed with the SEC.

We make available free of charge, either by direct access on our website or by a link to the SEC website, our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or as soon as reasonably practicable after such reports are electronically filed with, or furnished to, the SEC. Our reports filed with, or furnished to, the SEC are also available directly at the SEC's website at www.sec.gov.

ITEM 3. Quantitative and Qualitative Disclosures About Market Risk

We are subject to a variety of market risks, including commodity risk and the risks related to foreign currency, interest rates and market performance that are discussed in Item 7A of our Annual Report on Form 10-K for fiscal year 2017 that ended on January 29, 2017 filed with the SEC on March 23, 2017. Many of the factors that can have an impact on our market risk are external to us, and so we are unable to fully predict them.

We do not engage in the trading of derivative financial instruments in the normal course of business to mitigate our risk related to interest rates. In the event interest rates were to increase 100 basis points and holding all other variables constant, annual net income and cash flows for the following year would decrease by approximately \$2.3 million as a result of our variable-rate debt. The effect of the 100 basis points increase would not be expected to significantly impact the fair value of our variable-rate debt.

We are subject to risks related to changes in foreign currency exchange rates as we experience expenses denominated in foreign currencies. As a result, changes in exchange rate fluctuations may positively or negatively affect results of operations. We enter into forward contracts to hedge anticipated foreign currency denominated transactions generally expected to occur in the current and subsequent fiscal years. All data relating to our derivative positions is presented in accordance with authoritative guidance. Accordingly, these cash flow hedges are designated for hedge accounting treatment and gains and losses on these contracts are recorded in accumulated other comprehensive income in stockholder's equity and reclassified into earnings at the time that the related transactions being hedged are recognized in earnings. Please see Note 15 to our unaudited consolidated financial statements in Part I, Item 1 of this report for further discussion of our derivative instruments.

An adverse change of the U.S. Dollar against our foreign currency operating expenses of 10%, after taking into account balance sheet hedges, would have resulted in an adverse impact on income before taxes of \$1.6 million in the third quarter of fiscal year 2018.

ITEM 4. Controls and Procedures**Evaluation of Disclosure Controls and Procedures**

We maintain disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act, which are designed to ensure that information required to be disclosed in the reports we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer ("CEO") and Chief Financial Officer ("CFO"), as appropriate to allow timely decisions regarding required disclosure. Our management, with the participation of our CEO and CFO, evaluated the effectiveness of the design and operation of our disclosure controls and procedures as of the end of the period covered by this Quarterly Report. Based on that evaluation, our CEO and CFO concluded that, our disclosure controls and procedures were effective as of October 29, 2017.

Changes in Internal Controls

As of October 29, 2017, there were no changes to our internal control over financial reporting that occurred during the fiscal quarter then ended 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

Information about legal proceedings is set forth in Note 11 to the unaudited consolidated financial statements included in Part I, Item 1 of this Quarterly Report.

ITEM 1A. Risk Factors

Please carefully consider and evaluate all of the information in this Quarterly Report and the risk factors set forth in our Annual Report on Form 10-K for the fiscal year ended January 29, 2017 filed with the SEC on March 23, 2017. The risks set forth in our Annual Report on Form 10-K are not the only ones we face. Additional risks not now known to us or that we currently deem immaterial may also impair our business operations. If any of these risks actually occur, our business could be materially harmed. If our business is harmed, the trading price of our common stock could decline.

The risk factors associated with our business have not materially changed, as compared to the risk factors disclosed in our Annual Report on Form 10-K for the fiscal year ended January 29, 2017 filed with the SEC on March 23, 2017.

ITEM 2. Unregistered Sales of Equity Securities and Use of Proceeds

Recent Sales of Unregistered Securities

None.

Issuer Purchase of Equity Securities

This table provides information with respect to purchases by us of shares of our common stock during the third quarter of fiscal year 2018.

Fiscal Month/Year	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Program	Approximate Dollar Value of Shares That May Yet Be Purchased Under The Program (1)
August 2017 (07/31/17-08/27/17)	—	\$ —	—	\$ 51.4 million
September 2017 (08/28/17-09/24/17)	—	—	—	\$ 51.4 million
October 2017 (09/25/17-10/29/17)	—	—	—	\$ 51.4 million
Total activity	—	\$ —	—	—

(1) We maintain an active stock repurchase program which was approved by our Board of Directors in March 2008. The stock repurchase program does not have an expiration date and our Board of Directors has authorized expansion of the program over the years.

As of October 29, 2017, we had repurchased \$147.0 million in shares of our common stock under the program since inception and the current remaining authorization under our stock repurchase program is \$51.4 million. Under our stock repurchase program, we may repurchase our common stock at any time or from time to time, without prior notice, subject to market conditions and other considerations. Our repurchases may be made through Rule 10b5-1 and/or Rule 10b-18 or other trading plans, open market purchases, privately negotiated transactions, block purchases or other transactions. We intend to fund repurchases under the program from cash on hand. We have no obligation to repurchase any shares under the stock repurchase program and may suspend or discontinue it at any time.

Limitation Upon Payment of Dividends

The Credit Agreement governing our senior secured first lien credit facilities includes covenants limiting our ability to pay dividends or make distributions on our capital stock.

ITEM 3. Defaults Upon Senior Securities

None.

ITEM 4. Mine Safety Disclosures

Not applicable.

ITEM 5. Other Information

None.

ITEM 6. Exhibits

Documents that are not physically filed with this report are incorporated herein by reference to the location indicated.

Exhibit No.	Description	Location
3.1	Restated Certificate of Incorporation of Semtech Corporation	Exhibit 3.1 to our Quarterly Report on Form 10-Q for the quarterly period ended October 26, 2003
3.2	Bylaws of Semtech Corporation	Exhibit 3.2 to our Annual Report on Form 10-K for the year ended January 27, 2008
10.1	Semtech Corporation Chief Executive Officer Bonus Plan, as amended and restated on November 15, 2017	Filed herewith
10.2	Semtech Corporation Executive Bonus Plan (non-CEO), as amended and restated on November 15, 2017	Filed herewith
31.1	Certification of the Chief Executive Officer Pursuant to Rule 13a-14(a) or Rule 15d-14(a) under the Securities Exchange Act of 1934, as amended	Filed herewith
31.2	Certification of the Chief Financial Officer Pursuant to Rule 13a-14(a) or Rule 15d-14(a) under the Securities Exchange Act of 1934, as amended	Filed herewith
32.1	Certification of the Chief Executive Officer Pursuant to 18 U.S.C. § 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (Exhibit 32.1 is being furnished and shall not be deemed "filed")	Furnished herewith
32.2	Certification of the Chief Financial Officer Pursuant 18 U.S.C. § 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (Exhibit 32.2 is being furnished and shall not be deemed "filed")	Furnished herewith
101.INS	XBRL Instance Document	Filed herewith
101.SCH	XBRL Taxonomy Extension Schema Document	Filed herewith
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document	Filed herewith
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document	Filed herewith
101.LAB	XBRL Taxonomy Extension Label Linkbase Document	Filed herewith
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document	Filed herewith

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.

SEMTECH CORPORATION

Registrant

Date: November 29, 2017

/s/ Mohan R. Maheswaran

Mohan R. Maheswaran

President and Chief Executive Officer

Date: November 29, 2017

/s/ Emeka N. Chukwu

Emeka N. Chukwu

Executive Vice President and

Chief Financial Officer

AMENDED AND RESTATED
SEMTECH CORPORATION
CHIEF EXECUTIVE OFFICER BONUS PLAN

ARTICLE I
PURPOSE OF THE PLAN

This Plan is established to provide a further incentive to the Chief Executive Officer (the “**CEO**”) of Semtech Corporation (the “**Company**”) to promote the success of the Company and its subsidiaries by providing an opportunity to receive additional compensation based on performance as set forth herein, to link the CEO’s compensation opportunities to performance, and to facilitate the Company’s ability to attract, retain and motivate top executive talent.

ARTICLE II
DEFINITIONS

1. **ANNUAL SALARY** - The regular annualized rate of base salary of the CEO in effect at the end of the Plan Year to which the applicable incentive award relates, but excluding any incentive compensation, commissions, over-time payments, option exercise income, the value of restricted stock vesting or vesting or payment of restricted stock units, retroactive payments not affecting the base salary or applicable to the current year, and any other payments of compensation of any kind.
 2. **APPROVED BUSINESS PLAN** - The Company’s Annual Business Plan as approved by the Board for the applicable Plan Year.
 3. **BOARD** - The Board of Directors of the Company.
 4. **COMMITTEE** - The Compensation Committee of the Board of Directors as from time to time appointed or constituted by the Board of Directors.
 5. **COMPANY** - Semtech Corporation.
 6. **NON-GAAP OPERATING INCOME** - Operating income of the Company for the applicable Plan Year on a consolidated basis and with such adjustments (i) to take into account or disregard any items or events that the Committee determines in its discretion to be non-recurring or extraordinary or that are not considered reflective of the Company’s core results, and (ii) as the Committee determines to be necessary to best reflect the operating income from ordinary business operations.
 7. **PLAN** - This Semtech Corporation Chief Executive Officer Bonus Plan, as amended and restated.
 8. **PLAN YEAR** - The Company’s fiscal year.
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ARTICLE III
ELIGIBILITY FOR PARTICIPATION

The CEO is the only person eligible to participate in this Plan.

ARTICLE IV
INCENTIVE COMPENSATION PAYMENTS

1. **CALCULATION AND AUTHORIZATION OF AWARDS** - Any incentive compensation award (an “**Award**”) under the Plan shall be calculated, under the supervision of the Committee, in accordance with the formula and procedures set forth in **Exhibit A** hereto. No Award is payable for any Plan Year unless and until the Committee authorizes the Award.
2. **INCENTIVE COMPENSATION FACTORS** - Awards under this Plan shall be based on the Company Performance Factors and the Individual Performance Factor that are set forth in the attached **Exhibit A**. The Committee shall establish performance goals for determining the “Non-GAAP Operating Income Performance Factor” for the Plan Year and the performance goals and peer group to determine the “Performance Relative to Peers Factor” for the Plan Year (together, the “**Performance Goals**” for that Plan Year).
3. **MODIFICATIONS** - The Committee may, in its sole discretion, change the method for calculating Plan payments at any time prior to the end of a Plan Year.
4. **METHOD AND TIME OF PAYMENT**
 - A. Awards authorized with respect to each Plan Year shall be paid to the CEO in cash following the close of the Plan Year and within two and one-half months after the close of the Plan Year. The foregoing notwithstanding, the Committee may delay (but not past December 31 of the calendar year in which such Plan Year ends) the payment of Awards if it determines in its discretion that circumstances warrant a delay.
 - B. All incentive compensation payments shall be made in cash and paid net of any taxes or other amounts required to be withheld.
5. **CLAWBACK POLICY** - The Plan, and any Awards and payments made under the Plan, are subject to the terms of the Company’s recoupment, clawback or similar policy as it may be in effect from time to time, as well as any similar provisions of applicable law, any of which could in certain circumstances require repayment or forfeiture of awards under and/or any payments received with respect to the Plan.
6. **RIGHTS OF PARTICIPANT**
 - A. All Awards and payments are subject to the discretion of the Committee. The CEO shall have no right to require the Committee to authorize any Award under the Plan. Even though the CEO’s performance may be assessed periodically during the Plan Year and/or

the progress of Non-GAAP Operating Income, Revenue Performance and/or Performance Relative to Peers may be tracked, all Awards are subject to calculation as set forth in **Exhibit A** and the discretion of the Committee. The mere existence of periodic assessments or tracking does not give the CEO any basis for claiming any incentive compensation under this Plan on a pro rata basis during the Plan Year or otherwise.

- B. Subject to such exceptions as may be approved by the Committee, the CEO shall have no right to any incentive compensation payment hereunder unless he or she is employed by the Company on the date such payment is actually made. For example, the Committee may, in its sole discretion, approve an Award payment to the CEO if the CEO terminates employment after the close of the Plan Year but before the Award would otherwise be paid, or may approve a pro-rated Award payment to the CEO if the CEO terminates employment during a Plan Year. A payment, if any, of an Award to the CEO following his or her termination of employment (or the CEO's estate or designated beneficiary, if applicable) shall be made at the time provided in Article IV of this Plan.
- C. Nothing in this Plan gives the CEO the right to remain in the employ of the Company. Except to the extent explicitly provided otherwise in a then effective writing executed by the CEO and the Company, the CEO is an at will employee whose employment may be terminated without liability at any time for any reason.

ARTICLE V ADMINISTRATION

The Plan shall be administered by the Committee. The Committee shall have the right to construe the Plan, to interpret any provision of the Plan, to make rules and regulations relating to the Plan, and to determine any factual question arising in connection with the Plan's operation. Any decision made by the Committee under or with respect to the Plan shall be conclusive, final and binding on all parties concerned. The Committee may delegate to the officers or executives of the Company the authority to execute and deliver those instruments and documents, to do all acts and things, and to take all other steps deemed necessary, advisable or convenient for the effective administration of this Plan in accordance with its terms and purpose. For the avoidance of doubt, the Committee may not delegate the duty to approve or authorize any Awards under the Plan. The Plan shall be construed and interpreted to comply with (and avoid any tax, penalty or interest under) Section 409A of the Internal Revenue Code of 1986, as amended.

ARTICLE VI AMENDMENT OR TERMINATION OF PLAN

The Board or the Committee shall have the unilateral right to terminate or amend this Plan at any time with respect to any unpaid Award.

ARTICLE VII
EFFECTIVE DATE

This amended and restated version of the Plan shall be effective beginning with the Company's 2019 fiscal year.

Approved and Adopted by the Compensation Committee: November 15, 2017

EXHIBIT A

CALCULATION OF CASH BONUS INCENTIVE PROGRAM PAYMENTS

A. AWARD FORMULA

1. It is expected that the CEO will work to achieve the business objectives established for this Plan in a manner consistent with the Company's Core Values and Code of Conduct and any other applicable Company policies.
2. The CEO's "Target Award" for a Plan Year is determined by multiplying the Annual Salary by the applicable "Target Level" (as determined pursuant to Section B below). The actual amount of an Award payable with respect to a Plan Year shall be as determined in Section A.3 below. However, anything in the Plan to the contrary notwithstanding, in no event shall any Award exceed 200% (or such other percentage as the Committee may establish with respect to the applicable Plan Year) of the Target Award for any given Plan Year.
3. Subject to any discretionary adjustments made pursuant to the Plan and to any limitations contained in the Plan and this Exhibit A, and unless the Committee provides a different allocation for the particular Plan Year, the actual Award amount payable to the CEO for any Plan Year pursuant to the terms of this Plan shall be calculated by multiplying the CEO's Target Award by the sum of
 - a. 35% of the Non-GAAP Operating Income Performance Factor determined in accordance with Section C and the applicable Performance Goals adopted by the Committee for the applicable Plan Year (with pro rata adjustments being made for whole percentage increments between the levels stated in the table);
 - b. 25% of the Revenue Performance Factor determined in accordance with Section D below;
 - c. 20% of the Performance Relative to Peers Factor determined in accordance with Section E below; and
 - d. 20% of the Individual Performance Factor as defined in Section F below.
4. In the event the Target Level changes during the Plan Year, the Award recommended to the Committee will be based on the Target Level in effect when the calculation is made.

B. TARGET LEVEL

The CEO's Target Level for each Plan Year shall be set by the Committee, subject to change during the Plan Year at the Committee's discretion. The CEO's Target Level for a Plan Year is set forth in the Performance Goals established by the Committee for that Plan Year.

C. NON-GAAP OPERATING INCOME

After the end of the Plan Year, the actual Non-GAAP Operating Income level for the Plan Year, as determined by the Committee, shall be compared against the Non-GAAP Operating Income performance target established by the Committee for the Plan Year, and based on such comparison, the Non-GAAP Operating Income Performance Factor for the Plan Year shall be determined pursuant to the applicable Performance Goals established for that Plan Year. The specified target level(s) of Non-GAAP Operating Income for a Plan Year may, in the Committee's discretion, be based on the Approved Business Plan for the applicable Plan Year and/or may take into account or be based on such other factors as the Committee may consider relevant for the particular Plan Year for this purpose. If the Company's actual Non-GAAP Operating Income level relative to the applicable performance target is between two levels stated in the table, the Non-GAAP Operating Income Performance Factor will be determined on a pro-rata basis between such levels.

D. REVENUE PERFORMANCE FACTOR

The Revenue Performance Factor for the Plan Year shall be calculated as follows:

$$\text{Revenue Performance Factor} = 100\% \times (\text{Net Revenue} - \text{Prior FY Net Revenue}) / (\text{ABP Net Revenue} - \text{Prior FY Net Revenue})$$

For purposes of the above equation, the following definitions apply:

"Net Revenue" means the Company's net revenue for the applicable Plan Year on a consolidated basis, as determined by the Committee;

"Prior FY Net Revenue" means the Company's net revenue for the fiscal year prior to the applicable Plan Year on a consolidated basis, as determined by the Committee; and

"ABP Net Revenue" means the Company's projected net revenue for the applicable Plan Year. Unless otherwise provided by the Committee, the projected net revenue for a particular Plan Year shall be based on the projected net revenue as set forth in the Approved Business Plan for that Plan Year, but in all cases the Committee has the authority and discretion to consider such other factors as it may determine relevant to establish a different projected net revenue for the Company for this purpose for the particular Plan Year.

However, the Revenue Performance Factor shall be subject to a maximum of 200%, and in no event shall the Revenue Performance Factor be a negative number.

E. PERFORMANCE RELATIVE TO PEERS FACTOR

The Performance Relative to Peers Factor will be based on the Company's Net Revenue Growth and Non-GAAP Earnings Per Diluted Share Growth, in each case relative to the Net Revenue Growth and Non-GAAP Earnings Per Diluted Share Growth of a list of peer companies, to be

specified by the Committee for the applicable Plan Year (the “**Peer Group**”), and set forth in the Performance Goals for the applicable Plan Year; provided however, that the Committee shall not consider the performance of Peer Group members with negative earnings, even if they have positive Non-GAAP Earnings Per Diluted Share.

For these purposes, the “**Net Revenue Growth**” of the Company or any Peer Group company for a Plan Year means that company’s net revenue for that company’s fiscal year that ends with or during that Plan Year relative to its net revenue for the immediately preceding fiscal year; and the “**Earnings Per Share Growth**” of the Company or any Peer Group company for a Plan Year means that company’s earnings per share for the company’s fiscal year that ends with or during that Plan Year relative to its earnings per share for the immediately preceding fiscal year. In each case, such company’s net revenue and earnings per share for the applicable fiscal year will be as provided in its financial statements for that fiscal year to the extent available at the time of the determination.

The Performance Relative to Peers Factor will be determined according to the applicable Performance Goals established by the Committee for the applicable Plan Year.

F. INDIVIDUAL PERFORMANCE FACTOR

After the end of each fiscal year, the CEO’s performance will be assessed by the Board (or the Committee to the extent the Board delegates such responsibility to the Committee), based on such factors as the Board (or Committee) may determine to be appropriate (which may include, without limitation, leadership and contribution to the Company). The performance assessment will be considered by the Committee in determining the Individual Performance Factor, which shall be subject to a maximum of 200%.

AMENDED AND RESTATED

**SEMTECH CORPORATION
EXECUTIVE BONUS PLAN**

ARTICLE I
PURPOSE OF THE PLAN

This Plan is established to provide a further incentive to selected executives to promote the success of Semtech Corporation and its Subsidiaries by providing an opportunity to receive additional compensation based on performance as set forth herein, to link those executives' compensation opportunities to performance, and to facilitate the Company's ability to attract, retain and motivate top executive talent.

ARTICLE II
DEFINITIONS

1. ANNUAL SALARY -- The regular annualized rate of base salary of a Participant in effect at the end of the Plan Year to which the applicable incentive award relates, but excluding any incentive compensation, commissions, over-time payments, option exercise income, the value of restricted stock vesting or payment of restricted stock units, retroactive payments not affecting the base salary or applicable to the current year, and any other payments of compensation of any kind.
 2. APPROVED BUSINESS PLAN -- The Company's Annual Business Plan as approved by the Board for the applicable Plan Year.
 3. BOARD -- The Board of Directors of the Company.
 4. COMMITTEE -- The Compensation Committee of the Board of Directors as from time to time appointed or constituted by the Board of Directors.
 5. COMPANY -- Semtech Corporation.
 6. EBIT -- The Company's earnings before interest and taxes for the applicable Plan Year on a consolidated basis.
 7. EXECUTIVE -- Any Senior Leadership Team (SLT) member and/or Section 16 Officer, each as determined by the Board or the Committee, who was employed by the Company or one of its Subsidiaries during all or any part of the year; provided, however, that the Company's Chief Executive Officer shall not be considered an "Executive" for purposes hereof and shall not be eligible to participate in the Plan.
 8. CHIEF EXECUTIVE OFFICER -- The Chief Executive Officer of the Company.
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9. NON-GAAP OPERATING INCOME – Operating income of the Company for the applicable Plan Year on a consolidated basis and with such adjustments (i) to take into account or disregard any items or events that the Committee determines in its discretion to be non-recurring or extraordinary or that are not considered reflective of the Company’s core results, and (ii) as the Committee determines to be necessary to best reflect the operating income from ordinary business operations.
10. PARTICIPANT -- Any Executive selected and approved by the Committee to participate in the Plan in accordance with its terms.
11. PLAN -- This Semtech Corporation Executive Bonus Plan, as amended and restated.
12. PLAN YEAR -- The Company’s fiscal year.
13. SECTION 16 OFFICER – An officer who has been determined by the Board to be an officer of the Company subject to the requirements of Section 16 of the Securities Exchange Act of 1934, as amended.
14. SUBSIDIARY – Any entity in which the Company owns, directly or indirectly, 50% or more of the voting stock or other equity interests.

ARTICLE III
ELIGIBILITY FOR PARTICIPATION

Participants are those Executives selected by the Committee to participate in the Plan. Participation in the Plan shall require Committee approval. No member of the Committee shall be eligible to participate in the Plan.

ARTICLE IV
BONUS POOL

1. As early as feasible at the beginning of each Plan Year, the Chief Executive Officer shall recommend to the Committee for its review and approval the fiscal year bonus plan. The fiscal year bonus plan shall establish bonus payout factors and bonus pools based on fiscal year achievement of specified level(s) of Non-GAAP Operating Income. The specified level(s) of Non-GAAP Operating Income for a Plan Year may, in the Committee’s discretion, be based on the Approved Business Plan for the applicable Plan Year and/or may take into account or be based on such other factors as the Committee may consider relevant for the particular Plan Year for this purpose. The proposed bonus pool amounts shall be calculated as the sum of (a) the target bonus awards (calculated in accordance with **Exhibit A** hereto) for Participants for the Plan Year and (b) an estimate of target awards for positions that may be filled during the Plan Year (new hires who may become Participants on a pro rata basis). Fiscal year performance will determine the final fiscal year bonus pool.

2. To assist the Committee in making a determination with respect to the Chief Executive Officer's recommendation, the proposed bonus pool shall also be expressed as a percentage of EBIT. Unless otherwise provided by the Committee, EBIT shall be determined based on the Approved Business Plan for the particular year. At the Committee's discretion, such EBIT may be computed prior to or after the deduction of incentive compensation payments to be paid under the Plan and may exclude certain extraordinary items.
3. The Committee shall establish a table for determining the "Organizational Performance Factor" for the Plan Year. The table shall be based on a comparison of Non-GAAP Operating Income for the Plan Year as compared to Non-GAAP Operating Income for the previous Plan Year and shall correlate various percentage improvements in Non-GAAP Operating Income with an Organizational Performance Factor, also expressed as a percentage. The table approved by the Committee for a particular Plan Year is referred to as the "**Performance Goals**" for that Plan Year.
4. Incentive compensation payments will be made in accordance with Article V. The Committee may impose such limits, if any, as it may determine to be appropriate on the incentive compensation payments (individually or in the aggregate) made under the Plan for any Plan Year notwithstanding anything in **Exhibit A** to the contrary. The "bonus pool" referenced in this Plan is for budgetary purposes and may be considered by the Committee, but the actual incentive compensation payments determined by the Committee and made under the Plan for any Plan Year may be more than, equal to, or less than the bonus pool for that Plan Year.
5. The bonus pool does not represent a segregated fund of assets. Participants have no claim on any particular Company asset or group of Company assets, either before or after incentive compensation payments are determined or authorized for the Plan Year. Any incentive compensation awarded under the Plan will be paid from the general assets of the Company.

ARTICLE V
INCENTIVE COMPENSATION PAYMENTS

1. CALCULATION AND AUTHORIZATION OF PAYMENTS – Any incentive compensation payments to Participants shall be calculated, under the supervision of the Chief Executive Officer, in accordance with the formula and procedures set forth in **Exhibit A** hereto, and each Participant's incentive award determined under **Exhibit A** will be recommended to the Committee for its consideration and final approval. No award is payable under the Plan for any Plan Year unless and until the Committee approves that award.
2. ORGANIZATIONAL PERFORMANCE FACTOR – After the end of the Plan Year, the Non-GAAP Operating Income for the Plan Year, as determined by the Committee, shall be rated against the Non-GAAP Operating Income for the previous Plan Year, as determined by the Committee, to determine the Organization Performance Factor level for all Participants (pursuant to the Performance Goals established for that Plan Year). Pro rata adjustments will be made for whole percentage increments between the levels stated in the table.

3. INDIVIDUAL PERFORMANCE FACTORS – A Participant’s Individual Performance Factor shall be based on personal achievement during the Plan Year, as provided in **Exhibit A**. A Participant’s Individual Performance Factor shall be recommended by the Chief Executive Officer but subject to review, adjustment and final approval by the Committee.
4. MODIFICATIONS. The Committee may, in its sole discretion, change the method for calculating Plan payments at any time prior to the end of a Plan Year.
5. METHOD AND TIME OF PAYMENT
 - A. The incentive compensation payment authorized for each Participant with respect to each Plan Year shall be paid to such Participant in cash following the close of the Plan Year and within two and one-half months after the close of the Plan Year. The foregoing notwithstanding, the Committee may delay (but not past December 31 of the calendar year in which such Plan Year ends) the payment of awards if it determines in its discretion that circumstances warrant a delay.
 - B. All incentive compensation payments shall be made in cash and paid net of any taxes or other amounts required to be withheld.
6. CLAWBACK POLICY – This Plan, and any awards and payments made under this Plan, are subject to the terms of the Company’s recoupment, clawback or similar policy as it may be in effect from time to time, as well as any similar provisions of applicable law, any of which could in certain circumstances require repayment or forfeiture of awards under and/or any payments received with respect to this Plan.
7. RIGHTS OF PARTICIPANTS
 - A. Selection of an individual as a Participant for one Plan Year does not mean that the individual will be selected to participate in future Plan Years.
 - B. The establishment of a bonus pool is subject to the discretion of the Committee. No Participant shall have any right to require the Committee to establish a bonus pool for any Plan Year. No Participant shall have any vested interest or property right or any share in any amounts that may be established as a bonus pool.
 - C. All awards and payments are subject to the discretion of the Committee. No Participant shall have any right to require the Committee to authorize any incentive compensation payments under the Plan. Even though the Participant’s performance may be assessed periodically during the Plan Year and/or the progress of Non-GAAP Operating Income may be tracked, all incentive compensation payments are subject to calculation as set forth in **Exhibit A** and the discretion of the Committee. The mere existence of periodic assessments or tracking does not give the Participant any basis for claiming any incentive compensation under this Plan on a pro rata basis during the Plan Year or otherwise.

- D. Subject to such exceptions as may be approved by the Committee, a Participant shall have no right to any incentive compensation payment hereunder unless he or she is employed by the Company or one of its Subsidiaries on the date such payment is actually made. Nothing in this Plan gives a Participant the right to remain in the employ of the Company or any Subsidiary. Except to the extent explicitly provided otherwise in a then effective written employment contract executed by Participant and the Company (or any Subsidiary that employs the Participant, as the case may be), each Participant is an at will employee whose employment may be terminated by the Participant or by the Company (or Subsidiary that employs the Participant, as the case may be) without liability at any time for any reason.

ARTICLE VI ADMINISTRATION

The Plan shall be administered by the Committee. The Committee shall have the right to construe the Plan, to interpret any provision of the Plan, to make rules and regulations relating to the Plan, and to determine any factual question arising in connection with the Plan's operation. Any decision made by the Committee under or with respect to the Plan shall be conclusive, final and binding on all parties concerned. The Committee may delegate to the officers or executives of the Company the authority to execute and deliver those instruments and documents, to do all acts and things, and to take all other steps deemed necessary, advisable or convenient for the effective administration of this Plan in accordance with its terms and purpose. For the avoidance of doubt, the Committee may not delegate the duty to approve the bonus pool under Article IV or to authorize awards under Article V. The Plan shall be construed and interpreted to comply with (and avoid any tax, penalty or interest under) Section 409A of the Internal Revenue Code of 1986, as amended.

ARTICLE VII AMENDMENT OR TERMINATION OF PLAN

The Board or the Committee shall have the unilateral right to terminate or amend this Plan at any time with respect to all or some Participants with respect to any unpaid bonus amounts, and to discontinue the establishment of bonus pools.

ARTICLE VIII EFFECTIVE DATE

This amended and restated version of the Plan shall be effective beginning with the Company's 2019 fiscal year.

Approved and Adopted by the Compensation Committee: November 15, 2017

EXHIBIT A

CALCULATION OF CASH BONUS INCENTIVE PROGRAM PAYMENTS

A. AWARD FORMULA

1. It is expected that Participants will work to achieve the business objectives established for this Plan in a manner consistent with the Company's Core Values and Code of Conduct and any other applicable Company policies.
2. A Participant's Annual Salary multiplied by the applicable "Target Level" for the Participant (as defined in Section B of this **Exhibit A**) establishes the Participant's "**Target Award**".
3. Subject to any discretionary adjustments made pursuant to the Plan and to any limitations contained in the Plan and this **Exhibit A**, and unless the Committee provides a different allocation for the particular Plan Year, the actual amount to be awarded to a Participant for any Plan Year pursuant to the terms of this Plan shall be calculated by multiplying the Participant's Target Award by the sum of
 - a. 50% of the Organizational Performance Factor determined in accordance with the Performance Goals adopted by the Committee for the applicable Plan Year (with pro rata adjustments being made for whole percentage increments between the levels stated in the table); and
 - b. 50% of the Individual Performance Factor determined for the Participant for that Plan Year.

However, anything in the Plan to the contrary notwithstanding, in no event shall any amount to be awarded to a Participant for a Plan Year pursuant to the terms of the Plan exceed 200% (or such other percentage as the Committee may establish with respect to the applicable Plan Year) of the Participant's Target Award for that Plan Year.

4. Awards generally shall be made only to Participants who are in the employ of the Company or one of its Subsidiaries on the date of payment.

However, awards for Participants who terminate employment after the close of the Plan Year but before awards are paid (and pro-rated awards for Participants who terminate employment during a Plan Year) may be considered by the Committee based on the conditions of the case. A payment, if any, to a former executive (the executive's estate or designated beneficiary in the case of a deceased Participant) shall be made at the time provided in Article V of the Plan.

5. Pro-rated awards may be approved for individuals who become Participants subsequent to the beginning of a Plan Year.

6. Recommended awards for Participants whose Target Levels change during the Plan Year will, unless otherwise determined by the Committee, be based on the Target Level in effect when the calculation is made.
7. The Participant's incentive awards determined under this **Exhibit A** will be recommended to the Committee for its consideration and approval.
8. Before the calculated awards are presented to the Committee, the award for any Participant or group of Participants may be adjusted, upward or downward, at the discretion of the Chief Executive Officer. The recommended award for any Participant, or group of Participants, may be adjusted, upward or downward, at the discretion of the Committee. Examples of factors that could lead to an adjustment are subjective criteria such as the Participant's initiative, leadership, teamwork, judgment, and creativity.

B. TARGET LEVELS

Target Levels are based on, without limiting any other factors the Committee may consider relevant, the individual's position and responsibilities in the organization. Target Levels are determined by the Committee. Where a range has been established, the actual Target Level is determined by the Committee will be within the applicable range. The Committee has discretion to modify the range from time to time.

Position	Target Level
Chief Financial Officer	70 - 125%
Chief Operating Officer	70 - 125%
Business Unit and Functional Unit Heads	50 - 125%

C. INDIVIDUAL PERFORMANCE FACTORS

After the end of each Plan Year, each Participant's performance will be assessed by the Chief Executive Officer.

Factors relevant in determining a Participant's Individual Performance Factor may include (1) the Participant's commitment to, and reinforcement of, the Company's Core Values and Code of Conduct, (2) , the Participant's contributions to achieving the Company's general financial goals and strategic objectives, (3) the Executive's technical, operational, financial, and managerial achievements in his or her scope of influence, (4) the Executive's leadership, talent management, customer service, and strategy and execution with respect to new product development or other key projects, and (5) any other factors that the Chief Executive Officer or Committee may consider relevant in the circumstances.

Following the assessment, the Chief Executive Officer will recommend an Individual Performance Rating for each Executive. The Individual Performance Factor for any Executive, or group of Executives, may be adjusted, upward or downward, at the discretion of the Committee. A Participant's Individual Performance Factor for a Plan Year shall be subject to a maximum of 200%.

CERTIFICATION

I, Mohan R. Maheswaran, certify that:

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

Date: November 29, 2017

/s/ Mohan R. Maheswaran

Mohan R. Maheswaran

President and Chief Executive Officer

CERTIFICATION

I, Emeka N. Chukwu, certify that:

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

Date: November 29, 2017

/s/ Emeka N. Chukwu

Emeka N. Chukwu

Executive Vice President and Chief Financial Officer

CERTIFICATION PURSUANT TO
18 USC 1350 AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report on Form 10-Q of Semtech Corporation (the "Company") for the period ended October 29, 2017 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Mohan R. Maheswaran, Chief Executive Officer of the Company, hereby certify pursuant to 18 USC §1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

1. the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: November 29, 2017

/s/ Mohan R. Maheswaran

Mohan R. Maheswaran

President and Chief Executive Officer

A signed original of this written statement required by Section 906 of the Sarbanes-Oxley Act of 2002, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906 of the Sarbanes-Oxley Act of 2002, has been provided to Semtech Corporation and will be retained by Semtech Corporation and furnished to the Securities and Exchange Commission or its staff upon request.

The information contained in this Exhibit 32.1 is being furnished and shall not be deemed "filed" for the purposes of section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section. The information in this Exhibit 32.1 shall not be incorporated by reference into any registration statement or other document pursuant to the Securities Exchange Act of 1934, as amended, or the Securities Act of 1933, as amended, except as shall be expressly set forth by specific reference to this Exhibit 32.1 in such filing.

CERTIFICATION PURSUANT TO
18 USC 1350 AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report on Form 10-Q of Semtech Corporation (the "Company") for the period ended October 29, 2017 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Emeka N. Chukwu, Chief Financial Officer of the Company, hereby certify pursuant to 18 USC §1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

1. the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: November 29, 2017

/s/ Emeka N. Chukwu

Emeka N. Chukwu

Executive Vice President and Chief Financial Officer

A signed original of this written statement required by Section 906 of the Sarbanes-Oxley Act of 2002, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906 of the Sarbanes-Oxley Act of 2002, has been provided to Semtech Corporation and will be retained by Semtech Corporation and furnished to the Securities and Exchange Commission or its staff upon request.

The information contained in this Exhibit 32.2 is being furnished and shall not be deemed "filed" for the purposes of section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section. The information in this Exhibit 32.2 shall not be incorporated by reference into any registration statement or other document pursuant to the Securities Exchange Act of 1934, as amended, or the Securities Act of 1933, as amended, except as shall be expressly set forth by specific reference to this Exhibit 32.2 in such filing.

