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

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**SCHEDULE 14A**  
(Rule 14a-101)

**INFORMATION REQUIRED IN PROXY STATEMENT  
SCHEDULE 14A INFORMATION**

**Proxy Statement Pursuant to Section 14(a) of the  
Securities Exchange Act of 1934  
(Amendment No. )**

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))**
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material Pursuant to § 240.14a-12

**MICROSEMI CORPORATION**

(Name of Registrant as Specified in its Charter)

**MICROCHIP TECHNOLOGY INCORPORATED**

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- No fee required.
- Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.

(1) Title of each class of securities to which transaction applies:

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(2) Aggregate number of securities to which transaction applies:

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(3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):

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(4) Proposed maximum aggregate value of transaction:

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(5) Total fee paid:

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Fee paid previously with preliminary materials.

Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

(1) Amount Previously Paid:

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(2) Form, Schedule or Registration Statement No.:

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(3) Filing Party:

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(4) Date Filed:

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March 1, 2018

Dear Valued Microsemi Customers and Channel Partners,

Today Microchip Technology announced the signing of a definitive agreement to acquire Microsemi Corporation. The transaction is subject to the approval of shareholders of Microsemi, regulatory approvals and customary closing conditions. We expect the transaction to close in the second calendar quarter of 2018.

Microchip is a leading provider of embedded control solutions through our Microcontroller, Mixed-Signal, Analog, Wired and Wireless Networking, Security, Timing, Flash IP and Memory product lines. This acquisition adds Microsemi's strong portfolio of Specialized Ethernet, Storage and Optical Networking Microcontrollers, FPGA, Wireless, Timing, Analog and Mixed-Signal products to Microchip. The combined product lines of Microchip and Microsemi will offer you a broader range of innovative solutions to serve your needs.

For now, and until the transaction closes, it will be business as usual for customers and channel partners. We will communicate any changes to you in a timely fashion after the transaction has closed. But for the foreseeable future, we request that you continue to do business using your current Microsemi contacts and processes.

Together, we remain committed to providing you with outstanding customer service, advanced technology solutions, industry-leading supply chain management, and world-class quality and manufacturing. We look forward to a long and mutually beneficial relationship.

If you have any questions or concerns, please contact your local sales contact.

Best Regards,

Steve Sanghi  
Chairman and CEO  
Microchip Technology

James J. Peterson  
Chairman and CEO  
Microsemi Corporation

Cautionary Statement:

Statements about the expected timing, completion, benefits and effects of the proposed transaction, and other statements in this letter that are not historical facts, are forward-looking statements made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These statements involve risks and uncertainties that could cause actual results to differ materially, including, but not limited to the actual timing of the closing of the acquisition, the satisfaction of the conditions to closing in the acquisition agreement, any termination of the acquisition agreement, the effect of the acquisition on Microchip's and Microsemi's existing relationships with customers and vendors and their operating results and businesses; the costs and outcome of any litigation involving Microchip, Microsemi or the acquisition transaction; general economic, industry or political conditions in the U.S. or internationally; and the risks described from time to time in SEC reports including filings on Forms 10-K, 10-Q and 8-K. You can obtain copies of such Forms 10-K, 10-Q and 8-K and other relevant documents for free, as applicable, at Microchip's website ([www.microchip.com](http://www.microchip.com)), at Microsemi's website ([www.microsemi.com](http://www.microsemi.com)), the SEC's website ([www.sec.gov](http://www.sec.gov)) or from commercial document retrieval services. You are

cautioned not to place undue reliance on our forward-looking statements, which speak only as of the date such statements are made. We do not undertake any obligation to publicly update any forward-looking statements to reflect events, circumstances or new information after the date hereof.

Additional Information and Where to Find It

In connection with the proposed acquisition, Microsemi will file a proxy statement and other related documents with the SEC. Investors and stockholders are advised to read these documents when they become available because they will contain important information. Investors and stockholders may obtain a free copy of these documents (when available) and other documents filed by Microsemi at the SEC's web site at [www.sec.gov](http://www.sec.gov) and at the Investor section of their website at <https://investor.microsemi.com/>.

Microchip, Microsemi and their directors and executive officers may be deemed to be participants in the solicitation of proxies from the stockholders of Microsemi in connection with the acquisition. Information regarding the special interests of these directors and executive officers in the transaction will be included in the proxy statement described above. Additional information regarding the directors and executive officers of Microchip is also included in Microchip's proxy statement for its 2017 Annual Meeting of Stockholders, which was filed with the SEC on July 13, 2017. Additional information regarding the directors and executive officers of Microsemi is also included in Microsemi's proxy statement for its 2018 Annual Meeting of Stockholders, which was filed with the SEC on December 20, 2017. These documents are available free of charge at the SEC's web site at [www.sec.gov](http://www.sec.gov) and as described above.