

INFORMATION TO BE INCLUDED IN THE REPORT

Item 2.02 Results of Operations and Financial Condition.

On July 27, 2017, Microsemi Corporation issued a press release reporting its third quarter results, a copy of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Item 8.01 Other Events.

On July 26, 2017, Microsemi's Board of Directors authorized a stock repurchase program for the repurchase of up to \$250.0 million of the Company's common stock before July 31, 2019. Repurchases under this authorization may be made in the open market or through privately negotiated transactions and may also be made under a Rule 10b5-1 plan. On July 27, 2017, Microsemi Corporation issued a press release announcing the new stock repurchase program, a copy of which is attached hereto as Exhibit 99.2 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No. Description

99.1 Press release dated July 27, 2017, reporting third quarter results

99.2 Press release dated July 27, 2017, announcing stock repurchase program

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 hereunto duly authorized.

MICROSEMI CORPORATION
(Registrant)

Date: July 27, 2017 By: /s/ John W. Hohener
John W. Hohener
Executive Vice President,
Chief Financial Officer, and
Treasurer

EXHIBIT INDEX

Exhibit No. Description

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