

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging Growth Company

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.

Explanatory Note

Microchip Technology Incorporated ("we") filed a Form 8-K with the Securities and Exchange Commission on May 29, 2018 (the "Original Filing") to report the completion of its acquisition of Microsemi Corporation, a Delaware corporation ("Microsemi"). In the Original Filing, we stated that the required historical financial statements of Microsemi would be filed by amendment to the Original Filing within seventy-one (71) calendar days from the date that the Original Filing was required to be filed. This Form 8-K/A is being filed to amend the Original Filing to provide the required historical financial statements of Microsemi described under Item 9.01 below.

Item 9.01 Financial Statements and Exhibits

(a) Financial Statements of Businesses Acquired.

The historical financial statements of Microsemi required by this item are incorporated by reference to the Annual Report on Form 10-K for the fiscal year ended October 1, 2017 filed by Microsemi with the SEC on November 14, 2017, the Quarterly Report on Form 10-Q for the fiscal quarter ended December 31, 2017 filed by Microsemi with the SEC on January 26, 2018 and the Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2018 filed by Microsemi with the SEC on April 27, 2018.

(d) Exhibits.

Exhibit No. Description

23.1 Consent of Independent Registered Public Accounting Firm

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.

Date: June 11, 2018 MICROCHIP
TECHNOLOGY
INCORPORATED,
a Delaware
corporation

By: /s/ J. Eric Bjornholt
J. Eric Bjornholt
Vice President and
Chief Financial
Officer

EXHIBIT INDEX

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