

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Mail Stop 3030

August 4, 2017

Via E-mail
Steve Sanghi
Chief Executive Officer and Chairman of the Board
Microchip Technology Incorporated
2355 W. Chandler Blvd
Chandler, AZ 85224-6199

Re: Microchip Technology Incorporated

Form 10-K for the Fiscal Year Ended March 31, 2017

Filed May 30, 2017 File No. 0-21184

Dear Mr. Sanghi:

We have completed our review of your filings. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Sincerely,

/s/ Martin James

Martin James Senior Assistant Chief Accountant Office of Electronics and Machinery