



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

DIVISION OF
CORPORATION FINANCE

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