



DIVISION OF
CORPORATION FINANCE

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

Mail Stop 6010

July 17, 2008

Steve Sanghi
President
Microchip Technology Inc.
2355 W. Chandler Blvd
Chandler, AZ 85224

**Re: Microchip Technology Inc.
Form 10-K for the Fiscal-Year ended March 31, 2007
Filed May 25, 2007
Form 10-K for the Fiscal-Year ended March 31, 2008
Filed May 28, 2008
File No. 000-21184**

Dear Mr. Sanghi:

We have completed our review of your Form 10-K and related filings and do not, at this time, have any further comments.

Sincerely,

Angela Crane
Branch Chief