



DIVISION OF
CORPORATION FINANCE

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

Mail Stop 6010

August 29, 2007

VIA U.S. MAIL and FACSIMILE

Robert G. Gargus
Senior Vice President and Chief Financial Officer
Applied Micro Circuits Corporation
215 Moffett Park Drive
Sunnyvale, CA 94089

**RE: Applied Micro Circuits Corporation
Form 10-K for the fiscal year ended March 31, 2007
Filed May 30, 2007
File No. 000-23193**

Dear Mr. Gargus:

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

Sincerely,

Martin F. James
Senior Assistant Chief Accountant