



DIVISION OF  
CORPORATION FINANCE

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

Mail Stop 3030

February 19, 2009

Donald Colvin  
Chief Financial Officer  
ON Semiconductor Corporation  
5005 E. McDowell Road  
Phoenix, AZ 85008

**Re: ON Semiconductor Corporation**  
**Form 10-K for the Fiscal-Year ended December 31, 2007**  
**Filed February 12, 2008**  
**File No. 000-30419**

Dear Mr. Colvin:

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