



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

DIVISION OF
CORPORATION FINANCE

Mail Stop 3030

May 23, 2017

Via E-mail

Bernard Gutmann
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, 2016
Filed February 28, 2017
File No. 000-30419**

Dear Mr. Gutmann:

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