

Certification

**Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906
of the Sarbanes-Oxley Act of 2002**

For purposes of Section 1350 of Chapter 63 of Title 18 of the United States Code, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, each of the undersigned officers of ON Semiconductor Corporation, a Delaware corporation (the "Company"), does hereby certify, to such officer's knowledge, that:


The Quarterly Report on Form 10-Q for the fiscal quarter ended June 30, 2017 (the "Form 10-Q") of the Company fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m or 78o(d)) and the information contained in the Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: August 7, 2017



Keith D. Jackson
President and Chief Executive Officer

Dated: August 7, 2017



Bernard Gutmann
Executive Vice President,
Chief Financial Officer and Treasurer