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FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL										
OMB Number:	3235-0287									
Estimated average hurden										

0.5

hours per response:

136,857

Transaction(s)

(Instr. 3 and 4)

Price

Α

\$6.83

D

Ownership (Instr. 4)

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b)

# STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>CAVE GEORGE H</u>				2. Issuer Name <b>and</b> Ti ON SEMICON		g Symbol R CORP [ ONNN ]		tionship of Reportin all applicable) Director	10% (	Owner		
(Last) 5005 EAST M	(First)	(Middle)		B. Date of Earliest Tran 05/10/2011	nsaction (Mon	th/Day/Year)	X	Officer (give title Ott below) bel		′		
(Street)			[ <i>·</i>	I. If Amendment, Date	of Original Fi	led (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)					
PHOENIX	AZ	85008					X	Form filed by One	, ,			
(City)	(State)	(Zip)						Person		<b>.</b>		
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned												
Date			2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 an	nd 5)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		

M

ν Code

Amount

5,000

#### 05/10/2011 S 3,537 D \$11.6501 133,320 D S 05/10/2011 5,000 D \$11.6401 128,320 D 05/11/2011 S 4,565 D \$11.5501 123,755 D 05/12/2011 M 10,000 A \$6.83 133,755 D 05/12/2011 \$11.8112(1) S 7,195 D 126,560 D S D 05/12/2011 10,000 D \$11.81 116,560

#### Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code ( 8)				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)	\$6.83	05/10/2011		M			5,000	03/23/2007	03/23/2016	Common	5,000	\$6.83	10,000	D	
Stock Option (right to buy)	\$6.83	05/12/2011		M			10,000	03/23/2007	03/23/2016	Common	10,000	\$6.83	0.0000	D	

### **Explanation of Responses:**

1. This disposition transaction was executed in multiple trades at prices ranging from \$11.81 to \$11.8116. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide, upon request, to the SEC staff, the Issuer, or a security holder of the Issuer, full information regarding the number of shares and prices at which the transaction was effected.

Judith A. Boyle is signing on behalf of the Reporting Person pursuant to a Power of Attonrney attached herein as an Exhibit. cave2011poa.txt

05/10/2011

Judith A. Boyle, Attorney-in-05/12/2011 **Fact** 

\*\* Signature of Reporting Person

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

POWER OF ATTORNEY (George H. Cave)

I hereby appoint Keith D. Jackson, Donald A. Colvin, and Judith A. Boyle, and each of them, attorney-in-fact for me, each with full power of substitution, to prepare, execute and deliver on my behalf reports required to be filed by me pursuant to Section 16 of the Securities Exchange Act of 1934, as amended ("Section 16"), and Rule 144 and Rule 145 under the Securities Act of 1933 (singly or collectively ("Rule 144")), and any and all related documents and instruments. Among other things, each attorney-in-fact is authorized to file original reports (either electronically or otherwise), signed by me or on my behalf, on Forms 3, 4 and 5, and Form 144 with the Securities and Exchange Commission, any and all related documents and instruments, and to provide any necessary copies of such signed forms, documents and instruments to The NASDAQ Stock Market and ON Semiconductor Corporation as required by the rules under Section 16 and Rule 144 as in effect from time to

This power of attorney is effective from the date hereof until April 15, 2012, unless earlier revoked or terminated.

/s/ GEORGE H. CAVE George H. Cave

time.

Dated: March 1, 2011