

Pickle Paul H
 Form 3
 February 14, 2013

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â Pickle Paul H		(Month/Day/Year)	MICROSEMI CORP [MSCC]	
(Last)	(First)	(Middle)	02/12/2013	
ONE ENTERPRISE			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
ALISO VIEJO,Â CAÂ 92656			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
			Executive Vice President	

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Microsemi Common Stock	98,334 ⁽¹⁾	D	Â

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	

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				Shares		(I) (Instr. 5)	
Employee Stock Option to Buy Common Stock	Â (2)	04/02/2013	Common Stock	18,000	\$ 20.99	D	Â
Employee Stock Option to Buy Common Stock	Â (2)	10/01/2013	Common Stock	10,000	\$ 28.5	D	Â
Employee Stock Option to Buy Common Stock	Â (2)	02/20/2014	Common Stock	2,520	\$ 21.27	D	Â
Employee Stock Option to Buy Common Stock	Â (2)	05/02/2014	Common Stock	10,000	\$ 25.09	D	Â
Employee Stock Option to Buy Common Stock	Â (2)	09/26/2014	Common Stock	8,000	\$ 13.72	D	Â
Employee Stock Option to Buy Common Stock	Â (2)	09/26/2015	Common Stock	10,900	\$ 25.27	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Pickle Paul H ONE ENTERPRISE ALISO VIEJO, CA 92656	Â	Â	Â Executive Vice President	Â

Signatures

Mark Lin, Attorney-in-Fact for Paul H. Pickle 02/12/2013

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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).
- (1) Restricted share awards scheduled to vest, subject to the reporting person's continued employment, through October 23, 2015.
- (2) The options are fully vested.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.