

LITCHFIELD STEVEN G  
 Form 4  
 September 18, 2012

**FORM 4**

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

OMB APPROVAL

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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 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 \*  
 LITCHFIELD STEVEN G

(Last) (First) (Middle)

ONE ENTERPRISE

(Street)

ALISO VIEJO, CA 92656

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 MICROSEMI CORP [MSCC]

3. Date of Earliest Transaction (Month/Day/Year)  
 09/14/2012

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_ Director \_\_\_ 10% Owner  
 Officer (give title below) \_\_\_ Other (specify below)  
 EVP & Chief Strategy Officer

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 \_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	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 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D)	Price		
Microsemi Common Stock	09/14/2012		M	75,000	A \$ 18.97	160,533	D
Microsemi Common Stock	09/14/2012		S	75,000	D \$ 18.97	85,533	D

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

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SEC 1474 (9-02)

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**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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Employee Stock Option to Buy Common Stock <sup>(1)</sup>	\$ 18.97	09/14/2012		M	25,000	10/02/2007 10/02/2012	Common Stock 25,000
Employee Stock Option to Buy Common Stock <sup>(1)</sup>	\$ 18.97	09/14/2012		M	25,000	10/02/2008 10/02/2012	Common Stock 25,000
Employee Stock Option to Buy Common Stock <sup>(1)</sup>	\$ 18.97	09/14/2012		M	25,000	10/02/2009 10/02/2012	Common Stock 25,000

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director 10% Owner Officer Other

LITCHFIELD STEVEN G  
ONE ENTERPRISE  
ALISO VIEJO, CA 92656

EVP & Chief Strategy Officer

## Signatures

Mark Lin, Attorney-in-Fact for Steven G. Litchfield

09/18/2012

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

\* 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).

(1) This employee stock option was granted pursuant to Microsemi Corporation's 1987 Stock Plan, which satisfies the requirements of Rule 16b-3. The option became exercisable in three equal installments, commencing one year after the date of the grant.

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

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