MICROSEMI CORP

Form 4

January 16, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

3235-0287 Number:

OMB APPROVAL

January 31, Expires: 2005

7. Nature of

Ownership

(Instr. 4)

Indirect

0.5

Estimated average burden hours per response...

Check this box if no longer subject to Section 16. Form 4 or

Form 5

1(b).

(Last)

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations may continue. See Instruction 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

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

MICROSEMI CORP [MSCC]

(Check all applicable)

2381 MORSE AVENUE

(First)

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

Director 10% Owner X_ Officer (give title Other (specify below)

01/12/2007

VP of Marketing & Bus. Dev.

(Street) 4. If Amendment, Date Original

(Middle)

Filed(Month/Day/Year)

(Instr. 8)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

IRVINE, CA 92614

(City) (State) (Zip)

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

1.Title of Security (Month/Day/Year) (Instr. 3)

2. Transaction Date 2A. Deemed Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D)

(Instr. 3, 4 and 5)

5. Amount of 6. Ownership Securities Form: Direct Beneficially (D) or Indirect Beneficial Owned (T) Following (Instr. 4)

Reported (A) Transaction(s)

(Instr. 3 and 4) Code V Amount (D) Price

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

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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 3. Transaction Date 3A. Deemed 4. 5. Number of 6. Date Exercisable and 7. Title and Amount of Derivative Conversion (Month/Day/Year) Execution Date, if **Transaction**Derivative **Expiration Date Underlying Securities** Security or Exercise any Code Securities (Month/Day/Year) (Instr. 3 and 4)

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(Instr. 3) Price of Derivative Security

(Month/Day/Year) (Instr. 8) Acquired (A)

or Disposed of

(D) (Instr. 3, 4, and 5)

Code V

V (A)

(D) Date Expiration Exercisable Date

Title

Amount or Number

of Shares

ISO

Option to

Buy \$ 18.77 01

01/12/2007

A 25,000

01/12/2008 10/12/2013

Common Stock 25,000

 $\begin{array}{c} Common \\ Stock \ \underline{^{(1)}} \end{array}$

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer

Other

LITCHFIELD STEVEN G 2381 MORSE AVENUE IRVINE, CA 92614

VP of Marketing & Bus. Dev.

Signatures

Debbie Weber, Attorney-In-Fact for Steven G. Litchfield

01/16/2007

**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 incentive stock option was granted pursuant to Microsemi Corporation's 1987 Stock Plan, which satisfies the requirements of Rule 16b-3. The option becomes exercisable in three equal installments, commencing one year after the date of the grant.
- (2) Currently owns 13,220 shares of Microsemi Corporation Common Stock.

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.

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