LEIBEL DENNIS R

Form 4

February 25, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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if no longer subject to Section 16. Form 4 or Form 5

obligations

Check this box

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

may continue. See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * LEIBEL DENNIS R

2. Issuer Name and Ticker or Trading Symbol

MICROSEMI CORP [MSCC]

5. Relationship of Reporting Person(s) to

Issuer

(First) (Middle) (Last)

(Street)

3. Date of Earliest Transaction

(Check all applicable)

2381 MORSE AVENUE

(Month/Day/Year)

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

02/23/2005

4. If Amendment, Date Original

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

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

IRVINE, CA 92614

Security

(Instr. 3)

(City) (State) (Zip) 1.Title of 2. Transaction Date 2A. Deemed

4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D)

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

Reported (A) or

Transaction(s) (Instr. 3 and 4)

Following

Code V Amount (D) Price

(Instr. 3, 4 and 5)

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

(Month/Day/Year)

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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 5. Number of 6. Date Exercisable and 7. Title and Amount of 4. Derivative Conversion (Month/Day/Year) Execution Date, if **TransactionDerivative Expiration Date Underlying Securities** Security or Exercise Code Securities (Month/Day/Year) (Instr. 3 and 4) (Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (A)

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Derivative or Disposed of Security (D)

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

Code V (A) (D) Date Expiration Title Amount

Exercisable Date

or Number

of Shares

12,000

Non-Qual

Stock
Option \$ 16.15 02/23/2005 A 12,000 02/23/2005 02/23/2015 Common Stock

Right to Buy (1)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

LEIBEL DENNIS R
2381 MORSE AVENUE X
IRVINE, CA 92614

Signatures

Debbie Weber, Attorney-in-Fact for Dennis R.

Leibel 02/25/2005

**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 non-qualified stock option was granted pursuant to Microsemi Corporation's 1987 Stock Plan, which satisfies the requirements of Rule 16b-3. The option becomes exercisable immediately.
- (2) Currently own -0- shares of Microsemi 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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