MICROSEMI CORP

Form 4

October 19, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

Number:

Expires:

5 Relationship of Reporting Person(s) to

January 31, 2005

0.5

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may continue.

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 See Instruction

2 Januar Nama and Tielzer or Tradina

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

| BRANDI RALPH | | | 2. Issuer Name and Ticker or Trading Symbol MICROSEMI CORP [MSCC] | | | | Issuer | | | | |
|--------------------------------------|--|--------------|---|---------------------------------|------------------------------|---------------|--|---|---|--|--|
| (Last) | (First) (1 | Middle) 3. I | 3. Date of Earliest Transaction | | | | (Check all applicable) | | | | |
| 2381 MORS | E AVENUE | (Mo | onth/Day/Year) /17/2005 | | | | Director X Officer (give ti low) Executive Via | | Owner r (specify | | |
| | File | | | Filed(Month/Day/Year) Ap | | | | 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting | | | |
| IRVINE, CA | x 92614 | | | | | Pe | rson | ite man One Kej | oorung | | |
| (City) | (State) | (Zip) | Table I - Non-I | Derivative | Secur | rities Acquir | ed, Disposed of, | or Beneficiall | y Owned | | |
| 1.Title of Security (Instr. 3) | 2. Transaction Dat (Month/Day/Year) | | Code Year) (Instr. 8) | 4. Securior Dispo (Instr. 3, | sed of 4 and (A) or | | 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 Indirect Beneficial Ownership (Instr. 4) | | |
| Microsemi Common Stock (1) (2) | 10/17/2005 | | M | 2,000 | A | \$ 7.1406 | 53,846 | D | | | |
| Microsemi Common Stock (1) (2) | 10/17/2005 | | S | 2,000 | D | \$ 24.1781 | 51,846 | D | | | |

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 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. Transactic Code (Instr. 8) | 5. Number ction Derivative Securities 8) 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 |
| Option to Buy Common Stock (1) | \$ 7.1406 | 10/17/2005 | | M | | 2,000 | 11/28/2001 | 11/28/2010 | Common Stock | 2,000 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

BRANDI RALPH 2381 MORSE AVENUE IRVINE, CA 92614

Executive Vice President & COO

Signatures

Debbie Weber, Attorney-in-Fact for Ralph Brandi

10/19/2005

**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 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 four equal installments, commencing one year after the date of the grant.
- (2) Sale executed in accordance with Supplement to 10B5-1 Program for Microsemi Stock adopted April 28, 2004, as amended.

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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