BRANDI RALPH

Form 4

September 13, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

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Check this box

Form 4 or Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **BRANDI RALPH** Issuer Symbol MICROSEMI CORP [MSCC] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 2381 MORSE AVENUE 09/12/2005 below) Executive Vice President & COO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting IRVINE, CA 92614 Person (City) (State) (7:-

(City)	(State) (Z	Table	I - Non-De	erivative S	Securi	ties Acquir	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		3. Transactic Code (Instr. 8)	4. Securi on(A) or D (Instr. 3,	ispose 4 and (A) or	d of (D)	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)	09/12/2005		M	4,000	A	\$ 7.1406	55,846	D	
Microsemi Common Stock (1) (2)	09/12/2005		S	4,000	D	\$ 25	51,846	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. Transactic Code (Instr. 8)	Transaction Derivative Code Securities		6. Date Exerci Expiration Dat (Month/Day/Y	te	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
1 00				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Option to Buy Common Stock (1)	\$ 7.1406	09/12/2005		M		4,000	11/28/2001	11/28/2010	Common Stock	4,000

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

09/13/2005

**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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