#### MICROSEMI CORP

Form 4

March 15, 2006

## FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**OMB** Number:

Expires:

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January 31, 2005

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**OMB APPROVAL** 

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

Check this box

**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

obligations may continue. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1 Name and Address of Departing De

1. Name and A	Symbol	2. Issuer Name and Ticker or Trading Symbol MICROSEMI CORP [MSCC]				5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)			
(Last) 2381 MORS			f Earliest Tr Day/Year) 006	ransaction			Director _X Officer (give to below)	10% Other below)	Owner r (specify
IRVINE, CA	(Street) A 92614		endment, Da nth/Day/Year	Č	ıl	A, _2	Executive Vio Individual or Join pplicable Line) X_ Form filed by On Form filed by Mo erson	e Reporting Per	g(Check
(City)	(State)	(Zip) Tabl	le I - Non-D	) erivative	Secur	ities Acquir	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	e 2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)		esed 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)	03/13/2006		M	2,000	A	\$ 7.055	106,404	D	
Microsemi Common Stock (1)	03/13/2006		S	2,000	D	\$ 27.6749	104,404	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)	Transaction Derivative Code Securities		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
ISOOption to Buy Common Stock (1) (2)	\$ 7.055	03/13/2006		M		2,000	06/17/2004	06/17/2013	Common Stock	2,000

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

BRANDI RALPH

2381 MORSE AVENUE Executive Vice President & COO

IRVINE, CA 92614

## **Signatures**

Debbie Weber, Attorney-in-Fact for Ralph Brandi 03/15/2006

\*\*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 in accordance with 10B5-1 Program adopted December 15, 2005.

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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