MICROSEMI CORP

Form 4

October 06, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

Expires:

January 31, 2005

0.5

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subject to Section 16. Form 4 or Form 5 obligations may continue.

See Instruction

Check this box

if no longer

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).

Common

Stock (2)

10/04/2006

(Print or Type Responses)

1. Name and Address of Reporting Person * ANDERSON THOMAS ROBERT		SERT Symbol	r Name and Ticker or Trading OSEMI CORP [MSCC]	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First) (M		(Check all applicable)				
2381 MORS	, ,	(Month/E 10/04/2	Day/Year)	_X_ Director10% Owner Officer (give title below) Other (specify below)			
	(Street)		endment, Date Original nth/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
IRVINE, CA	92614			Form filed by More than One Reporting Person			
(City)	(State) (Z	Zip) Tabl	le I - Non-Derivative Securities A	equired, Disposed of, or Beneficially Owned			
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 3, 4 and 5)	O) Securities Ownership Indirect Beneficially Form: Direct Beneficial Owned (D) or Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4) Transaction(s) (Instr. 3 and 4)			
Microsemi Common Stock (1) (2)	10/04/2006		M 2,500 A \$7.	21 2,500 D			
Microsemi			¢				

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

S

2,500

D

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D

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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. Transacti Code (Instr. 8)	5. Number on f Derivative Securities 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
Non-Qual Stock Option Right to Buy (1)	\$ 7.21	10/04/2006		M	2,500	02/26/2002	02/26/2012	Common Stock	2,500

Reporting Owners

Reporting Owner Name / Address	Relationships				
Reporting Owner Name / Address	Director	10% Owner	Officer	Other	
ANDERSON THOMAS ROBERT 2381 MORSE AVENUE IRVINE, CA 92614	X				

Signatures

Debbie Weber, Attorney-in-Fact for Thomas Robert
Anderson
10/06/2006

**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 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) Sale executed in accordance with 10b5-1 Program adopted December 6, 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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