

MICROSEMI CORP
 Form 3
 March 31, 2006

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF 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
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *			2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â MASSENGILL MATTHEW E			(Month/Day/Year)	MICROSEMI CORP [MSCC]	
(Last)	(First)	(Middle)		4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
2381 MORSE AVENUE				(Check all applicable)	
(Street)				<input checked="" type="checkbox"/> Director	6. Individual or Joint/Group Filing(Check Applicable Line)
IRVINE,Â CAÂ 92614				<input type="checkbox"/> 10% Owner	<input checked="" type="checkbox"/> Form filed by One Reporting Person
(City)	(State)	(Zip)		<input type="checkbox"/> Officer	<input type="checkbox"/> Form filed by More than One Reporting Person
				(give title below)	(specify below)

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Title	Amount or Number of Shares		

(Instr. 5)

Non-Qualified Stock
Option Grant (Right to Buy). ⁽¹⁾ 02/22/2006 02/22/2012⁽²⁾ Common Stock 40,000 \$ 30.68 D Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MASSENGILL MATTHEW E 2381 MORSE AVENUE IRVINE, CA 92614	Â X	Â	Â	Â

Signatures

Debbie Weber, Attorney-in-Fact for Matthew E. Massengill 03/31/2006

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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 Planm which satisfies the requirements of Rule 16b-3. The option becomes exercisable immediately.
- (2) The expiration date for this Non-Qualified Stock Option Grant was previously reported incorrectly. It should be six years after the date granted.

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.