GENTILE JAMES H

Form 4

September 16, 2008

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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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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * GENTILE JAMES H			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
			MICROSEMI CORP [MSCC]	(Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction			
2381 MORSE A	AVENUE		(Month/Day/Year) 09/15/2008	Director 10% Owner Senior VP-Worldwide Sales		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
IRVINE, CA 92	2614		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zin)				

(City)	(State) (Z	Zip) Table	I - Non-De	rivative S	Securi	ties Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securion(A) or D (Instr. 3,	ispose	d of (D)	5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	or	Price	Transaction(s) (Instr. 3 and 4)		
Microsemi Common Stock (2)	09/15/2008		M	500	A	\$ 11.36	20,500	D	
Microsemi Common Stock (1)	09/15/2008		S	500	D	\$ 25.23	20,000	D	
Microsemi Common Stock (2)	09/15/2008		M	1,500	A	\$ 13.72	21,500	D	
Microsemi Common	09/15/2008		S	1,500	D	\$ 25.23	20,000	D	

Stock (1)

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

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SEC 1474

(9-02)

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 on 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 Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Share
Non-Qualified Option to Buy Common Stock (2)	\$ 11.36	09/15/2008		M	500	08/18/2005	08/18/2014	Common Stock	50
Non-Qualified Option to Buy Common Stock (2)	\$ 13.72	09/15/2008		M	1,500	09/26/2005	09/26/2014	Common Stock	1,5

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
GENTILE JAMES H							
2381 MORSE AVENUE			Senior VP-Worldwide Sales				
IDVINE CA 02614							

Signatures

Gentile Gentile Gentile	09/16/2008
**Signature of Reporting Person	Data

Reporting Owners 2

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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) Sale in accordance with a 10b5-1 Plan Adopted 5/14/2008.
- (2) This non-qualified stock option was grated 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.

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.