#### **MOORTHY GANESH**

Form 4

August 04, 2009

## FORM 4

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

OMB Number: 3235-0287

Estimated average

burden hours per

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005

0.5

**OMB APPROVAL** 

Section 16. 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

response...

1(b).

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * MOORTHY GANESH			2. Issuer Name <b>and</b> Ticker or Trading Symbol MICROCHIP TECHNOLOGY INC [MCHP]					5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)			
(Last) (First) (Middle)  C/O MICROCHIP TECHNOLOGY INCORPORATED, 2355 WEST CHANDLER BOULEVARD			3. Date of Earliest Transaction (Month/Day/Year) 08/01/2009					Director 10% Owner Steelow) Other (specify below)  Exec. VP & COO			
				nendment, Date Original Ionth/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_Form filed by One Reporting Person			
CHANDLER, AZ 85224-6199								Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Tab	le I - Non-l	Derivative	Secu	rities Acq	quired, Disposed	of, or Beneficia	lly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Executio any	ned n Date, if Day/Year)	Code (Instr. 8)	4. Securi on(A) or D (Instr. 3,	ispose 4 and (A) or	ed 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)	
Common Stock	08/01/2009			M	2,000	A	\$ 27.25	31,280 (1)	I	Held Directly and Indirectly by Trust (1)	
Common Stock	08/01/2009			F	662	D	\$ 27.25	30,618 (2)	I	Held Directly and	

Indirectly by Trust (2)

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

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.

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. 5. Number Transaction Derivative Code Securities (Instr. 8) 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)		8. I De Sec (In
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	\$ 27.25	08/01/2009		M	2,000	(3)	(3)	Common Stock	16,000	

#### **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Exec. VP & COO

MOORTHY GANESH C/O MICROCHIP TECHNOLOGY INCORPORATED 2355 WEST CHANDLER BOULEVARD CHANDLER, AZ 85224-6199

#### **Signatures**

Deborah L. Wussler, as Attorney-in-Fact 08/04/2009

\*\*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) Of the 31,280 shares held, 4,703 shares were held Directly; 26,577 shares were held by Trust.
- (2) Of the 30,618 shares held, 4,041 shares were held Directly; 26,577 shares were held by Trust.
- (3) The restricted stock units vest in eight equal quarterly installments beginning May 1, 2008. Vested shares will be delivered to the reporting person upon vest.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Reporting Owners 2

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