FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPRO

OMB Number:	3235-0287
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* MOORTHY GANESH			2. Issuer Name and Ticker or Trading Symbol MICROCHIP TECHNOLOGY INC [MCHP]	5. Relat (Check	on(s) to Issuer 10% Owner	
(Loot)	(First)	(Middle)		X	Officer (give title below)	Other (specify below)
(Last) C/O MICROCHIP	TECHNOLOGY IN	,	3. Date of Earliest Transaction (Month/Day/Year) 12/03/2010		Exec. VP &	t COO
2355 WEST CHANDLER BOULEVARD						
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indivi	dual or Joint/Group Filing	(Check Applicable Line)
CHANDLER	AZ	85224-6199		X	Form filed by One Rep	orting Person n One Reporting Person
(City)	(State)	(Zip)			•	-

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Execution Date,	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code V		Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	12/03/2010		М		20,000	A	\$23.7	68,133 ⁽¹⁾	I	Shares held Directly and Indirectly, by Trust.
Common Stock	12/03/2010		S		20,000	D	\$35.3541	48,133 ⁽²⁾	I	Shares held Directly and Indirectly, by Trust.

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. Transac Code (Ir 8)		5. Number of 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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		
Common Stock Option (Right to Buy)	\$23.7	12/03/2010		М			20,000	12/03/2002	12/03/2011	Common Stock	72,000	\$0	52,000	D	

Explanation of Responses:

- 1. Of the 68,133 shares held, 12,186 shares were held Directly; 55,947 shares were held by Trust.
- 2. Of the 48,133 shares held, 12,186 shares were held Directly; 35,947 shares were held by Trust.

Remarks:

<u>Deborah L. Wussler, as Attorney-in-Fact</u>

** Signature of Reporting Person

12/03/2010

Date

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

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

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 Number.

 $^{^{\}star}$ 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).