

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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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

1. Name and Address of Reporting Person* <u>SANGHI STEVE</u>  (Last) (First) (Middle) <u>C/O MICROCHIP TECHNOLOGY INCORPORATED</u> <u>2355 WEST CHANDLER BOULEVARD</u>  (Street) <u>CHANDLER</u> <u>AZ</u> <u>85224-6199</u>  (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol <u>MICROCHIP TECHNOLOGY INC [ MCHP ]</u>  3. Date of Earliest Transaction (Month/Day/Year) <u>02/24/2012</u>  4. If Amendment, Date of Original Filed (Month/Day/Year)			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>President, CEO, Chairman</u>  6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
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Table I - Non-Derivative Securities Acquired, 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)	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 Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	02/24/2012		G <sup>(1)</sup>		0 <sup>(1)</sup>	D	\$0	4,765,362 <sup>(2)</sup>	I	Held Directly and Indirectly, by the Sanghi Trust and the Sanghi FLP <sup>(2)</sup>
Common Stock	03/01/2012		A		910 <sup>(3)</sup>	A	\$23.3665	4,766,272 <sup>(4)</sup>	I	Held Directly and Indirectly, by the Sanghi Trust and the Sanghi FLP <sup>(4)</sup>

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. Transaction Code (Instr. 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 Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. While no shares were transferred, this transaction represents separate gifts of limited partnership interests in the Sanghi Family Limited Partnership (the "Sanghi FLP") to three entities. Two gifts represented a 8.23% interest each in the Sanghi FLP, and one gift represented a 0.02% interest in the Sanghi FLP. The Sanghi FLP is a limited partnership of which the Sanghi LLC (a limited liability company) is the sole general partner with 1.89% interest, the Sanghi Trust is a 81.63% limited partner, the CMW FLP Trust is a 8.23% limited partner, the JSS FLP Trust is a 8.23% limited partner, and the Sanghi Family Foundation is a 0.02% limited partner.

2. Of the 4,765,362 shares held, 14,604 shares were held Directly; 1,713,822 shares were held by the Sanghi Trust; and 3,036,936 shares were held by the Sanghi FLP.

3. Shares were acquired under the Microchip Technology Incorporated 2001 Employee Stock Purchase Plan on March 1, 2012, in an exempt transaction pursuant to Rule 16(b)-3(d), paid for by contributions made during the six month period ended February 29, 2012.

4. Of the 4,766,272 shares held, 14,604 shares were held Directly; 1,714,732 shares were held by the Sanghi Trust; and 3,036,936 shares were held by the Sanghi FLP.

Remarks:

Deborah L. Wussler, as Attorney-in-Fact 03/02/2012  
\*\* Signature of Reporting Person Date

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