SANGHI STEVE Form 4

January 27, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

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January 31, 2005

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if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

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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 30(h) of the Investment Company Act of 1940

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading SANGHI STEVE Issuer Symbol MICROCHIP TECHNOLOGY INC (Check all applicable) [MCHP] (Last) (First) (Middle) 3. Date of Earliest Transaction _X_ Director 10% Owner Other (specify X_ Officer (give title (Month/Day/Year) below) C/O MICROCHIP TECHNOLOGY 01/25/2006 President, CEO, Chairman **INCORPORATED, 2355 WEST** CHANDLER BOULEVARD

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

Person

CHANDLER, AZ 85224-6199

(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)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit our Dispos (Instr. 3, 4	ed of (` ′	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	01/25/2006		M	25,000	A	\$ 4.9987	3,563,880 (1)	I	Held Directly and Indirectly, by Trust (1)	
Common Stock	01/25/2006		S	25,000	D	\$ 35.9775	3,538,880 (2)	I	Held Directly and Indirectly, by Trust (2)	

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Common Stock	01/26/2006	M	75,000	A	\$ 4.987	3,613,880 (3) I	Held Directly and Indirectly, by Trust (3)
Common Stock	01/26/2006	S	25,000	D	\$ 362,707	3,588,880 (4) I	Held Directly and Indirectly, by Trust (4)
Common Stock	01/26/2006	S	25,000	D	\$ 36.5123	3,563,880 <u>(1)</u> I	Held Directly and Indirectly, by Trust
Common Stock	01/26/2006	S	25,000	D	\$ 36.9858	3,538,880 <u>(2)</u> I	Held Directly and Indirectly, by Trust (2)

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

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(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)	onDerivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Common Stock Option (Right to Buy)	\$ 4.987	01/25/2006		M		25,000	07/02/2000	07/02/2006	Common Stock	25,000
Common Stock	\$ 4.987	01/26/2006		M		75,000	07/02/2000	07/02/2006	Common Stock	75,000

Option (Right to Buy)

Reporting Owners

Reporting Owner Name / Address	Relationships					
. 0	Director	10% Owner	Officer	Other		
SANGHI STEVE C/O MICROCHIP TECHNOLOGY INCORPORATED 2355 WEST CHANDLER BOULEVARD CHANDLER, AZ 85224-6199	X		President, CEO, Chairman			

Signatures

Deborah L. Wussler, as Attorney-in-Fact 01/27/2006

Explanation of Responses:

**Signature of Reporting Person

- * 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).

Date

- (1) Of the 3,563,880 shares held, 49,874 shares were held Directly; 3,514,006 shares were held by Trust.
- (2) Of the 3,538,880 shares held, 24,874 shares were held Directly; 3,514,006 shares were held by Trust.
- (3) Of the 3,538,880 shares held, 99,874 shares were held Directly; 3,514,006 shares were held by Trust.
- (4) Of the 3,588,880 shares held, 74,874 shares were held Directly; 3,514,006 shares were held by Trust.

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.

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