FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB A	PPF	ROVAL
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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			2. Issuer Name and Ticker or Trading Symbol MICROCHIP TECHNOLOGY INC [MCHP]		tionship of Reporting Pers	son(s) to Issuer	
SANGHI STEVE				X	Director	10% Owner	
(Last) (First) (Middle)		(Middle)		X	Officer (give title below)	Other (specify below)	
C/O MICROCHIP TECHNOLOGY INCORPORATED 2355 WEST CHANDLER BOULEVARD		ICORPORATED	3. Date of Earliest Transaction (Month/Day/Year) 08/14/2018		President, CEO, Chairman		
(Street) CHANDLER AZ 85224-6199		85224-6199	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv	idual or Joint/Group Filing Form filed by One Rep Form filed by More tha		
(City)	(State)	(Zip)					

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

1. Title of Security (Instr. 3)	(Instr. 3) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) (Month/Day/Year) 3. Transaction Code (Instr. 18)				4. Securities A Disposed Of (I	.cquired (A D) (Instr. 3,) or 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 (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(50. 4)	
Common Stock	08/15/2018		М		18,967	A	\$82.34	4,620,847(1)	I	Shares held Indirectly, by Trust and by Family Limited Partnership.	
Common Stock	08/15/2018		М		569	A	\$82.34	4,621,416 ⁽²⁾	I	Shares held Indirectly, by Trust and by Family Limited Partnership.	
Common Stock	08/15/2018		М		680	A	\$82.34	4,622,096 ⁽³⁾	I	Shares held Indirectly, by Trust and by Family Limited Partnership.	
Common Stock	08/15/2018		M		12,353	A	\$82.34	4,634,449 ⁽⁴⁾	I	Shares held Indirectly, by Trust and by Family Limited Partnership.	
Common Stock	08/15/2018		М		1,420	A	\$82.34	4,635,869 ⁽⁵⁾	I	Shares held Indirectly, by Trust and by Family Limited Partnership.	

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 (II 8)		Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exerc Expiration Day/N	ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		Derivative Security (Instr. 5)	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			Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		

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 (li 8)		Derivative		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)	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		(Instr. 4)		
Restricted Stock Units	(6)	08/14/2018		A		6,019		(7)	(7)	Common Stock	6,019	\$0	6,019	D	
Restricted Stock Units	\$82.34	08/15/2018		M			18,967	(8)	(8)	Common Stock	18,967	\$0	0	D	
Restricted Stock Units	\$82.34	08/15/2018		M			569	(8)	(8)	Common Stock	569	\$0	0	D	
Restricted Stock Units	\$82.34	08/15/2018		M			680	(8)	(8)	Common Stock	680	\$0	0	D	
Restricted Stock Units	\$82.34	08/15/2018		M			12,353	(9)	(9)	Common Stock	148,235	\$0	98,824	D	
Restricted Stock Units	\$82.34	08/15/2018		M			1,420	(8)	(8)	Common Stock	1,420	\$0	0	D	

Explanation of Responses:

- 1. Of the 4,620,847 shares held, 1,667,911 shares were held by The Sanghi Trust; and 2,952,936 shares were held by The Sanghi Family Limited Partnership.
- 2. Of the 4,621,416 shares held, 1,668,480 shares were held by The Sanghi Trust; and 2,952,936 shares were held by The Sanghi Family Limited Partnership.
- 3. Of the 4,622,096 shares held, 1,669,160 shares were held by The Sanghi Trust; and 2,952,936 shares were held by The Sanghi Family Limited Partnership.
- 4. Of the 4,634,449 shares held, 1,681,513 shares were held by The Sanghi Trust; and 2,952,936 shares were held by The Sanghi Family Limited Partnership.
- 5. Of the 4,635,869 shares held, 1,682,933 shares were held by The Sanghi Trust; and 2,952,936 shares were held by The Sanghi Family Limited Partnership.
- 6. Each restricted stock unit represents a contingent right to receive one share of Microchip Technology Incorporated common stock.
- 7. The restricted stock units will vest in full on August 15, 2019 as long as the individual remains a service provider through the vesting date. Vested shares will be delivered to the reporting person upon vest.
- 8. The restricted stock units will vest in full on August 15, 2018 as long as the individual remains a service provider through the vesting date. Vested shares will be delivered to the reporting person upon vest.
- 9. The restricted stock units vest in twelve equal quarterly installments beginning November 15, 2017 as long as the individual remains a service provider through the vesting date. Vested shares will be delivered to the reporting person upon vest.

Remarks:

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

08/15/2018

** 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.

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