MICROCHIP TECHNOLOGY INC

Form 4

August 05, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

0.5

January 31, Expires: 2005

OMB APPROVAL

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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 may continue. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * PARNELL GORDON W			2. Issuer Name and Ticker or Trading Symbol MICROCHIP TECHNOLOGY INC [MCHP]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last)	(First) (Middle)	3. Date of Earliest Transaction (Month/Day/Year)					DirectorX Officer (give below)		% Owner ner (specify		
C/O MICROCHIP TECHNOLOGY INCORPORATED, 2355 WEST CHANDLER BOULEVARD			08/01/2008					· · · · · · · · · · · · · · · · · · ·	VP and CFO			
	(Street)	,			endment, Date Original onth/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line)			
CHANDLER, AZ 85224-6199			Thed(Monabbay, Teal)					_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(State) (Zip) Table I - Non-Derivative Securities Ac						rities Acq	quired, Disposed of, or Beneficially Owned				
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Executio any	med on Date, if Day/Year)	3. Transactic Code (Instr. 8)	4. Securion(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	08/01/2008			M	1,300	A	\$ 31.57	9,564 (1)	I	Held Directly and Indirectly by Trust (1)		
Common Stock	08/01/2008			F	536	D	\$ 31.57	9,028 (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.

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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. Transactic Code (Instr. 8)	Transaction Derivative Code Securities		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	\$ 31.57	08/01/2008		M	1,300	(3)	(3)	Restricted Stock Units	9,100	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

PARNELL GORDON W C/O MICROCHIP TECHNOLOGY INCORPORATED 2355 WEST CHANDLER BOULEVARD CHANDLER, AZ 85224-6199

VP and CFO

Signatures

Deborah L. Wussler, Attorney-in-Fact 08/05/2008

**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 9,564 shares held, 4,030 shares were held Directly; 5,534 shares were held by Trust.
- (2) Of the 9,028 shares held, 3,494 shares were held Directly; 5,534 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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