

MICROCHIP TECHNOLOGY INC
 Form 4/A
 August 03, 2005

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(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)
 C/O MICROCHIP TECHNOLOGY
 INCORPORATED, 2355 WEST
 CHANDLER BOULEVARD

3. Date of Earliest Transaction
 (Month/Day/Year)
 05/17/2005

____ Director
 Officer (give title below)
 ____ 10% Owner
 ____ Other (specify below)
 VP and CFO

(Street)
 CHANDLER, AZ 85224-6199

4. If Amendment, Date Original Filed(Month/Day/Year)
 08/03/2005

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than 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)	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 Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	05/17/2005		G	1,300 D \$ 30	10,463 ⁽¹⁾	I	Held by Trust ⁽¹⁾
Common Stock	08/03/2005		M	12,190 A \$ 8.963	22,653 ⁽²⁾	I	Held Directly and Indirectly, by Trust ⁽²⁾
Common Stock	08/02/2005		M	8,000 A \$ 10.037	30,653 ⁽³⁾	I	Held Directly and

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Common Stock	08/02/2005	M	1 ⁽⁴⁾	A	\$ 5.778	30,654 ⁽⁵⁾ ⁽⁶⁾	I	Indirectly, by Trust ⁽³⁾
Common Stock	08/02/2005	S	20,191 ⁽⁷⁾	D	\$ 31.02	10,643	I	Held Directly and Indirectly, by Trust ⁽⁵⁾
Common Stock	08/02/2005	S	20,191 ⁽⁷⁾	D	\$ 31.02	10,643	I	Held by Trust

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

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 control number.

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. 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 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)	\$ 8.963	08/02/2005		M	12,190	07/01/2001 04/17/2007	Common Stock 12,190
Common Stock Option (Right to Buy)	\$ 10.037	08/02/2005		M	8,000	04/14/2000 04/14/2009	Common Stock 8,000
Common Stock Option (Right to Buy)	\$ 5.778	08/02/2005		M	1 ⁽⁴⁾	10/09/1999 10/09/2008	Common Stock 1

