

MICROCHIP TECHNOLOGY INC
 Form 4
 August 13, 2007

FORM 4

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

OMB APPROVAL

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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)

3. Date of Earliest Transaction (Month/Day/Year)
08/09/2007

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

C/O MICROCHIP TECHNOLOGY INCORPORATED, 2355 WEST CHANDLER BOULEVARD

(Street)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ____ Form filed by More than One Reporting 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. 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 | 08/09/2007 | | M | | 2,037 | A | \$ 15.86 | 8,037 ⁽¹⁾ | I | Held Directly and Indirectly by Trust ⁽¹⁾ |
| Common Stock | 08/09/2007 | | M | | 6,623 | A | \$ 18.48 | 14,660 ⁽²⁾ | I | Held Directly and Indirectly |

| | | | | | | | | | |
|--------------|------------|--|---|--------|---|------------|-----------------------|---|---|
| Common Stock | 08/09/2007 | | M | 1,104 | A | \$ 18.48 | 15,764 ⁽³⁾ | I | by Trust ⁽²⁾ Held Directly and Indirectly by Trust ⁽³⁾ |
| Common Stock | 08/09/2007 | | M | 8,666 | D | \$ 18.48 | 24,430 ⁽⁴⁾ | I | Held Directly and Indirectly by Trust ⁽⁴⁾ |
| Common Stock | 08/09/2007 | | S | 18,430 | D | \$ 39.5721 | 6,000 | 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.

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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) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Common Stock Option (Right to Buy) | \$ 15.86 | 08/09/2007 | | M | 2,037 | 06/01/2002 06/01/2011 | Common Stock | 2,037 |
| Common Stock Option (Right to Buy) | \$ 18.48 | 08/09/2007 | | M | 6,623 | 04/09/2004 04/09/2013 | Common Stock | 6,623 |

