

PARNELL GORDON W  
Form 4  
February 15, 2007

**FORM 4**

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

Check this box  
if no longer  
subject to  
Section 16.  
Form 4 or  
Form 5  
obligations  
may continue.  
See Instruction  
1(b).

**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

## OMB APPROVAL

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

(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)  
02/14/2007

\_\_\_\_ Director \_\_\_\_ 10% Owner  
\_\_\_\_X\_\_\_\_ Officer (give title \_\_\_\_ Other (specify  
below) 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)  
\_\_\_\_X\_\_\_\_ 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<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3. Transaction<br>Code<br>(Instr. 8) | 4. Securities Acquired (A)<br>or Disposed of (D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I)<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|
|                                       |                                         |                                                             |                                      | (A)<br>or<br>(D)                                                        |                                                                                                                    |                                                                         |                                                                   |
|                                       |                                         |                                                             | Code                                 | V                                                                       | Amount                                                                                                             |                                                                         | Price                                                             |
| Common<br>Stock                       | 02/14/2007                              |                                                             | M                                    |                                                                         | 27,000                                                                                                             | A                                                                       | \$ 15.917                                                         |
|                                       |                                         |                                                             |                                      |                                                                         | 34,789                                                                                                             | (1)                                                                     |                                                                   |
|                                       |                                         |                                                             |                                      |                                                                         |                                                                                                                    | I                                                                       | Held<br>Directly<br>and<br>Indirectly,<br>by Trust (1)            |
| Common<br>Stock                       | 02/14/2007                              |                                                             | S                                    |                                                                         | 27,000                                                                                                             | D                                                                       | \$<br>36.0879                                                     |
|                                       |                                         |                                                             |                                      |                                                                         | 7,789                                                                                                              |                                                                         |                                                                   |
|                                       |                                         |                                                             |                                      |                                                                         |                                                                                                                    | I                                                                       | Held<br>Indirectly,<br>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<br>Derivative<br>Security<br>(Instr. 3) | 2. Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4. Transaction<br>Code<br>(Instr. 8) | 5. Number of<br>Derivative<br>Securities<br>Acquired (A)<br>or Disposed of<br>(D)<br>(Instr. 3, 4,<br>and 5) | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) | 7. Title and Amount of<br>Underlying Securities<br>(Instr. 3 and 4) |
|-----------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------|
|                                                     |                                                                    |                                         |                                                             | Code                                 | V (A) (D)                                                                                                    | Date<br>Exercisable<br>Expiration<br>Date                      | Title<br>Amount<br>or<br>Number<br>of Shares                        |
| Common<br>Stock<br>Option<br>(Right to<br>Buy)      | \$ 15.917                                                          | 02/14/2007                              |                                                             | M                                    | 27,000                                                                                                       | 03/31/2005 04/02/2011                                          | Common<br>Stock 27,000                                              |

## 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, as  
Attorney-in-Fact 02/15/2007

\_\_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 34,789 shares held, 27,000 shares were held Directly; 7,789 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.

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