

SILICON STORAGE TECHNOLOGY INC  
 Form 3  
 March 10, 2010

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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<br>*<br>MICROCHIP TECHNOLOGY INC<br><br>(Last) (First) (Middle) |  | 2. Date of Event Requiring Statement<br>(Month/Day/Year)<br>03/08/2010 | 3. Issuer Name and Ticker or Trading Symbol<br>SILICON STORAGE TECHNOLOGY INC [SSTI] | 4. Relationship of Reporting Person(s) to Issuer<br><br>(Check all applicable)<br><br>____ Director <input checked="" type="checkbox"/> 10% Owner<br>____ Officer _____ Other<br>(give title below) (specify below) | 5. If Amendment, Date Original Filed(Month/Day/Year) | 6. Individual or Joint/Group Filing(Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br>____ Form filed by More than One Reporting Person |
| 2355 WEST CHANDLER BOULEVARD<br><br>(Street)                                                            |  |                                                                        |                                                                                      |                                                                                                                                                                                                                     |                                                      |                                                                                                                                                                                           |
| CHANDLER, AZ 85224-6199<br><br>(City) (State) (Zip)                                                     |  |                                                                        |                                                                                      |                                                                                                                                                                                                                     |                                                      |                                                                                                                                                                                           |

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security<br>(Instr. 4) | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|
| Common Stock, no par value         | 19,148,149 <sup>(1)</sup>                                | D                                                                 | ^                                                        |

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

SEC 1473 (7-02)

**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.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security<br>(Instr. 4) | 2. Date Exercisable and Expiration Date<br>(Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security<br>(Instr. 4) | 4. Conversion or Exercise Price of Derivative | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|-----------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------------------|
|-----------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------------------|

|                     |                    |       |                                  |          |                                                |
|---------------------|--------------------|-------|----------------------------------|----------|------------------------------------------------|
| Date<br>Exercisable | Expiration<br>Date | Title | Amount or<br>Number of<br>Shares | Security | Direct (D)<br>or Indirect<br>(I)<br>(Instr. 5) |
|---------------------|--------------------|-------|----------------------------------|----------|------------------------------------------------|

## Reporting Owners

| Reporting Owner Name / Address                                                      | Relationships |              |         |       |
|-------------------------------------------------------------------------------------|---------------|--------------|---------|-------|
|                                                                                     | Director      | 10%<br>Owner | Officer | Other |
| MICROCHIP TECHNOLOGY INC<br>2355 WEST CHANDLER BOULEVARD<br>CHANDLER, AZ 85224-6199 | ^             | ^ X          | ^       | ^     |

## Signatures

Deborah L. Wussler, as  
Attorney-in-Fact

03/10/2010

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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) In the event that the Agreement and Plan of Merger by and among the Issuer, the Reporting Person and Sun Acquisition Corporation, dated February 2, 2010, as amended, is terminated in accordance with its terms, at any time and from time to time thereafter until September 8, 2011, the Reporting Person has the right, but not the obligation, to require the Issuer to purchase all or any portion of the shares reported on Table I at a price of \$3.05 per share.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.