

Liang Charles
Form 4
February 27, 2012

FORM 4

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

OMB APPROVAL

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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

(Print or Type Responses)

1. Name and Address of Reporting Person *
Liang Charles

(Last) (First) (Middle)

SUPER MICRO COMPUTER, INC., 980 ROCK AVE.

(Street)

SAN JOSE, CA 95131

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Super Micro Computer, Inc. [SMCI]

3. Date of Earliest Transaction (Month/Day/Year)
02/23/2012

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)

President and CEO

6. Individual or Joint/Group Filing (Check Applicable Line)

Form filed by One Reporting Person
 Form filed by More than One Reporting Person

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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V | Amount or Price | | |
| Common Stock | 02/23/2012 | | S ⁽¹⁾ | | 20,000 | D | |
| | | | | | \$ 17.3052 ⁽²⁾ | | |
| Common Stock | 02/24/2012 | | S ⁽¹⁾ | | 20,000 | D | |
| | | | | | \$ 17.418 ⁽³⁾ | | |
| Common Stock | | | | | 479,121 | I | By Spouse |
| Common Stock | | | | | 15,000 | I | By Spouse as Trustee for Green Earth |

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| Class of Securities | Quantity | Code | Beneficial Owner |
|---------------------|----------|------|--------------------------------|
| Common Stock | 6,100 | I | Charitable Trust By Child A |
| Common Stock | 6,100 | I | By Child B |
| Common Stock | 6,100 | I | By Child C |
| Common Stock | 6,100 | I | By Child D |
| Common Stock | 6,100 | I | By Child E |

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

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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. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|-------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Liang Charles SUPER MICRO COMPUTER, INC. 980 ROCK AVE. SAN JOSE, CA 95131 | X | X | President and CEO | |

Signatures

/s/Howard Hideshima,
Attorney-In-Fact

02/27/2012

__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) The reported sale was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on November 30, 2011.

The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$16.91 to \$17.48, inclusive. The reporting person undertakes to provide to Super Micro Computer, Inc., any security holder of Super Micro Computer, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnote (2) to this form 4.

(2)

The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$17.35 to \$17.58, inclusive. The reporting person undertakes to provide to Super Micro Computer, Inc., any security holder of Super Micro Computer, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnote (3) to this form 4.

(3)

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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