

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL                                 |           |
|--|-----------|
| OMB Number:                                  | 3235-0287 |
| Estimated average burden hours per response: | 0.5       |

|  |  |   |
|--|--|---|
| 1. Name and Address of Reporting Person*<br><u>Croteau John</u><br><br>(Last) (First) (Middle)<br><u>C/O MACOM TECHNOLOGY SOLUTIONS HOLDINGS</u><br><u>100 CHELMSFORD STREET</u><br><br>(Street)<br><u>LOWELL MA 01851</u><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>MACOM Technology Solutions Holdings, Inc. [ MTSI ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br><input checked="" type="checkbox"/> Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><u>President and CEO</u> |
|  | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>12/01/2016</u>                                    |   |
|  | 4. If Amendment, Date of Original Filed (Month/Day/Year)   |   |

**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  | (A) or (D) | Price                  |   |  |   |
| Common Stock                    | 12/01/2016                           |  | s <sup>(1)</sup>               |   | 593   | D          | \$47.29 <sup>(2)</sup> | 175,311 <sup>(3)</sup>  | D  |   |
| Common Stock                    | 12/01/2016                           |  | s <sup>(1)</sup>               |   | 807   | D          | \$47.29 <sup>(2)</sup> | 174,504   | D  |   |
| Common Stock                    | 12/01/2016                           |  | s <sup>(1)</sup>               |   | 200   | D          | \$47.29 <sup>(2)</sup> | 174,304   | D  |   |
| Common Stock                    | 12/01/2016                           |  | s <sup>(1)</sup>               |   | 300   | D          | \$47.29 <sup>(2)</sup> | 174,004   | D  |   |
| Common Stock                    | 12/01/2016                           |  | s <sup>(1)</sup>               |   | 100   | D          | \$47.29 <sup>(2)</sup> | 173,904   | D  |   |

**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 Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|--|-----|---|--|--|---|--|
|  |  |                                      |  | Code                           | V |  | (A)  | (D) |   |  |  |   |  |

**Explanation of Responses:**

- The shares were sold pursuant to a sales plan adopted by the Reporting Person and intended to comply with Rule 10b5-1 under the Securities Exchange Act of 1934.
- The price reported in Column 4 is the weighted average price of all shares sold on 12/01/2016. 593 shares were sold in multiple transactions at prices ranging from \$45.25 to \$46.12; 807 shares were sold in multiple transactions at prices ranging from \$46.75 to \$47.39; 200 shares were sold in multiple transactions at prices ranging from \$47.82 to \$48.76; 300 shares were sold in multiple transactions at prices ranging from \$49.06 to \$50.05; and 100 shares were sold at \$50.25. The Reporting Person undertakes to provide the Issuer, any shareholder of the Issuer, 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 this footnote.
- The reported ownership includes 255 shares acquired under the Issuer's Employee Stock Purchase Plan on November 18, 2016.

**Remarks:**

/s/ Clay Simpson, Attorney-in-Fact 12/05/2016

\*\* Signature of Reporting Person Date

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

\* 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).

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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