

MERKADEAU STUART L
 Form 4
 February 23, 2010

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 *
MERKADEAU STUART L

(Last) (First) (Middle)
 7005 SOUTHFRONT ROAD
 (Street)

LIVERMORE, CA 94551

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
FORMFACTOR INC [FORM]

3. Date of Earliest Transaction
 (Month/Day/Year)
 02/22/2010

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)

SR VP GENERAL COUNSEL

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V | Amount or (D) Price | | |
| Common Stock | 02/22/2010 | | M | | 2,500 (1) | A | \$ 0 16,171 D |
| Common Stock | 02/22/2010 | | F | | 1,100 (2) | D | \$ 16.82 15,071 D |

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

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SEC 1474
 (9-02)

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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 or Value of Underlying Securities (Instr. 3 and 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|---|
| Restricted Stock Units | \$ 0 | 02/22/2010 | | M | 2,500 | (3) (4) | Common Stock | 2,500 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-----------------------|-------|
| | Director | 10% Owner | Officer | Other |
| MERKADEAU STUART L 7005 SOUTHFRONT ROAD LIVERMORE, CA 94551 | | | SR VP GENERAL COUNSEL | |

Signatures

By: \s\ Henry I. Feir, Attorney-in-Fact For: Stuart L. Merkadeau 02/23/2010

__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) Represents vested shares of common stock issued pursuant to the second conversion of one-fourth of the restricted stock units granted on February 20, 2008.
- (2) Represents vested shares of common stock withheld by Issuer to satisfy certain tax withholding obligations associated with the conversion of the restricted stock units.
- (3) The Restricted Stock Units vest and are exercisable in four equal annual installments on each February 20 of 2009, 2010, 2011 and 2012 or the first market trading day during an open trading window under the Issuer's insider trading policy thereafter if the applicable vesting date is not on a market trading day during an open trading window.
- (4) If the reporting person's employment is terminated for any reason before an applicable Vesting Date, all restricted stock units that have not yet vested shall be forfeited without consideration, except as provided in the change of control severance agreement and any other agreements regarding award vesting and exercisability between the reporting person and Issuer, which agreements or form agreements are filed with the SEC.

Remarks:

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On January 29, 2010, Mr. Merkadeau acquired 1,064 shares from FormFactor through the 2002 Employee Stock Purchase Plan.

THE CONFIRMING STATEMENT GRANTING THE ATTORNEY-IN-FACT THE AUTHORITY TO EXECUTE AND FILE

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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