

**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
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1. Name and Address of Reporting Person* <u>MERKADEAU STUART L</u>  (Last) (First) (Middle) <u>7005 SOUTHFRONT ROAD</u>  (Street) <u>LIVERMORE CA 94551</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>FORMFACTOR INC [ FORM ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner Officer (give title below) Other (specify below) <u>SR VP, GENERAL COUNSEL</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>12/09/2010</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	12/09/2010		M		875 <sup>(1)</sup>	A	\$0	17,697	D	
Common Stock	12/10/2010		S		328 <sup>(2)</sup>	D	\$10.071	17,369	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)	Date Exercisable	Expiration Date						Title
Restricted Stock Units	\$0	12/09/2010		M			875	(3)	(4)	Common Stock	875	\$0	27,025	D	

**Explanation of Responses:**

- Represents vested shares of common stock issued pursuant to the second conversion of one-fourth of the restricted stock units granted on December 9, 2009.
- Represents vested shares of common stock sold to satisfy certain tax withholding obligations associated with the conversion of the restricted stock units.
- The Restricted Stock Units vest and are exercisable in four equal annual installments on each December 9 of 2010, 2011, 2012 and 2013 (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).
- 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:**

On July 30, 2010, Mr. Merkadeau acquired 506 shares from FormFactor through the 2002 Employee Stock Purchase Plan. The amount of shares beneficially owned by Mr. Merkadeau in Table I, Column 5 includes the acquisition of such shares. THE CONFIRMING STATEMENT GRANTING THE ATTORNEY-IN-FACT THE AUTHORITY TO EXECUTE AND FILE THIS FORM 4 HAS BEEN PREVIOUSLY FILED WITH THE U.S. SECURITIES AND EXCHANGE COMMISSION.

By: \s\ Henry I. Feir, Attorney-in-Fact For: Stuart L. Merkadeau 12/13/2010

\*\* 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.

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 Number.