

BAKER VERNON G II  
Form 4  
November 10, 2010

**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 \*  
BAKER VERNON G II

(Last) (First) (Middle)  
ARVINMERITOR, INC., 2135  
WEST MAPLE ROAD  
(Street)

TROY, MI 48084-7186

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
ARVINMERITOR INC [ARM]

3. Date of Earliest Transaction  
(Month/Day/Year)  
11/09/2010

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)  
Senior VP and 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 Indirect Beneficial Ownership (Instr. 4)
Common Stock				(A) Amount Price	6,515 <sup>(1)</sup>	I	ArvinMeritor Savings Plan
Common Stock	11/09/2010		M	33,000 <sup>(2)</sup> A \$ 14.8125 <sup>(3)</sup>	249,064 <sup>(4)</sup>	D	

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

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(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)	Amount or Number of Shares
Common Stock Share Equivalents <sup>(5)</sup>	\$ 0					<u>(6)</u> <u>(6)</u>	Common Stock	18,79
Employee stock option (right to buy)	\$ 14.8125	11/09/2010		M	33,000	11/10/2003    11/10/2010	Common stock	33,00

**Reporting Owners**

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BAKER VERNON G II ARVINMERITOR, INC. 2135 WEST MAPLE ROAD TROY, MI 48084-7186			Senior VP and General Counsel	

**Signatures**

Vernon G. Baker, II By: Barbara Novak, Attorney-in-fact 11/10/2010

\*\*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) Shares purchased periodically and held in ArvinMeritor common stock funds in an employee benefit trust established under the ArvinMeritor, Inc. Savings Plan, based on information furnished by the Plan Administrator as of October 31, 2010.
- (2) Acquisition of shares upon exercise of employee stock option (right to buy) that would otherwise expire on Novmeber 10, 2010.
- (3) Paid cash for such shares
- (4) Total includes 32,410 shares of restricted stock that are held by the issuer to implement restrictions on transfer unless and until certain conditions are met and 112,400 restricted stock units, each of which represents the right to receive one share of common stock upon the vesting date, subject to terms and conditions.

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- (5) Share equivalents related to ArvinMeritor common stock, held under ArvinMeritor's supplemental savings plan, based on information furnished by the Plan Administrator as of October 31, 2010.
- (6) Inapplicable

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.