

Gross Bradley J.
Form 4
August 22, 2011

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 *
Gross Bradley J.

2. Issuer Name and Ticker or Trading Symbol
AEROFLEX HOLDING CORP.
[ARX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
200 WEST STREET
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
08/18/2011

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

NEW YORK, NY 10282

(City) (State) (Zip)

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

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)	
				(A) or (D)	Price			
				Code	V	Amount		
Common Stock	08/18/2011		P	5,000 A	\$ 8.245	12,769,010	I	See footnotes (1) (2) (3)
Common Stock	08/18/2011		S	5,000 D	\$ 8.3469	12,764,010	I	See footnotes (1) (2) (3)

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. Name of Issuer
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V (A) (D)		

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Gross Bradley J. 200 WEST STREET NEW YORK, NY 10282	X			

Signatures

/s/ Kevin P. Treanor,
Attorney-in-fact
Date 08/22/2011

**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).

The Reporting Person is a managing director of Goldman, Sachs & Co. ("Goldman Sachs"). Goldman Sachs is a wholly-owned subsidiary of The Goldman Sachs Group, Inc. ("GS Group"). The Reporting Person disclaims beneficial ownership of the securities reported herein except to the extent of his pecuniary interest therein, if any.

GS Group and Goldman Sachs may be deemed to beneficially own indirectly 12,764,010 shares of common stock, par value \$0.01 per share (the "Common Stock"), of Aeroflex Holding Corp. ("Aeroflex Holding") by reason of the indirect beneficial ownership of such shares by GS Direct, L.L.C. ("GS Direct"), a wholly-owned subsidiary of GS Group. GS Direct may be deemed to beneficially own indirectly 12,764,010 shares of Common Stock by reason of the direct beneficial ownership of such shares by VGG Holding LLC ("VGG"). The membership interests of VGG are held by a private investor group, which includes GS Direct. GS Direct owns 21.7% of the class A membership interests of VGG. Goldman Sachs serves as the manager of GS Direct.

The Common Stock of Aeroflex Holding reported herein as indirectly purchased and sold were beneficially owned directly by Goldman Sachs and may be deemed to have been beneficially owned indirectly by GS Group. Without admitting any legal obligation, Goldman Sachs or another wholly-owned subsidiary of GS Group will remit appropriate profits, if any, to Aeroflex Holding.

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.