FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| Washington, | D.C. | 20549 |
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OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

| Name and Address of Reporting Person* Eaton Jonathan | | | | | | 2. Issuer Name and Ticker or Trading Symbol LPL Investment Holdings Inc. [LPLA] | | | | | | | | | Check | tionship of Reporting all applicable) Director Officer (give title | | 10% | ssuer Owner (specify |
|--|--|------|-------------------|---------|---|---|---|--|-------------------------------------|-----|---|--|---------------|-------|---|---|---|---|---|
| (Last) (First) (Middle) C/O LPL INVESTMENT HOLDINGS INC. ONE BEACON STREET | | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 10/10/2011 | | | | | | | | | X | belov | w) `` | below Clearing Servi | 1) |
| (Street) BOSTON MA 02108 (City) (State) (Zip) | | | | | 4. If | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | | | i. Individual or Joint/Group Filing (Check Applicable ine) X Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | |
| | | Tabl | e I - Nor | n-Deriv | ative | Se | curitie | s Ac | quired, | Dis | posed o | f, oı | r Ben | efici | ally | Owne | ed | | |
| 1. Title of Security (Instr. 3) 2. Transac Date (Month/Date) | | | | | Day/Year) if | | 2A. Deemed Execution Date, if any (Month/Day/Year) | | Transaction Disp Code (Instr. 5) | | Disposed | curities Acquired (A) sed Of (D) (Instr. 3, | | | 4 and S | | ount of ities icially d Following ted | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | | | | | | | v | Amount | | (A) or (D) | Price | | Transaction(s) (Instr. 3 and 4) | | | |
| Common Stock 10/ | | | | | 0/2011 | | | | S | | 1,250 |) D \$ | | \$26 | .2(1) | 23 | 5,656(1) | 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) | ve Conversion Date Execution Date, or Exercise (Month/Day/Year) if any | | Date, ny/Year) | | ransaction ode (Instr.) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | rative rities ired r osed) : 3, 4 | 6. Date Exercisable and Expiration Date (Month/Day/Year) Date Expiration Exercisable Date | | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amount or Number of Shares | | ount mber | | | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |

Explanation of Responses:

1. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$26.07 to \$26.24, inclusive. The reporting person undertakes to provide to LPL Investment Holdings Inc., any security holder of LPL Investment Holdings Inc., or the staff of the Securities and Exchange Commission, uipon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote (1) to this Form 4.

Remarks:

/s/ Peggy L. Ho, attorney-in-

fact

** Signature of Reporting Person

Date

10/11/2011

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.