KLA TENCOR CORP

Form 4

September 11, 2013

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Check this box

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

Number: 3235-0287

Expires: January 31, 2005

Estimated average burden hours per response... 0.5

X Form filed by One Reporting Person ____ Form filed by More than One Reporting

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5 obligations may continue. See Instruction See Instruction 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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Higgins Bren D. Issuer Symbol KLA TENCOR CORP [KLAC] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner _X__ Officer (give title Other (specify ONE TECHNOLOGY DRIVE 09/09/2013 below) **EVP & Chief Financial Officer** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line)

MILPITAS, CA 95035

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial Ownership (Month/Day/Year) Owned (Instr. 8) (D) or Following Indirect (I) (Instr. 4) Reported (Instr. 4) (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price Common 09/09/2013 $S^{(1)}$ 489 D 0 D Stock 58.85 Common 09/09/2013 D A 2,400 (2) 2,400 A Stock Common F 902 (3) D 09/09/2013 \$ 58.9 1,498 D Stock Common $S^{(1)}$ 09/10/2013 1,498 D \$ 59 D Stock Common 29.645 (5) D Stock -Restricted

Stock Units

(4)

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

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(9-02)

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)	4. Transactic Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	.	ate	Secur	ınt of rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Higgins Bren D.

ONE TECHNOLOGY DRIVE MILPITAS, CA 95035

EVP & Chief Financial Officer

Signatures

Brian M. Martin as Attorney-in-Fact for Bren D. Higgins

09/11/2013

**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).
- This transaction was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on June 14, 2013. **(1)**
- On September 9, 2011, the Reporting Person received a grant of restricted stock units ("RSUs") covering 4,800 shares of KLA-Tencor common stock. On September 9, 2013, the Reporting Person vested in fifty percent (50%) of such RSUs.
- Pursuant to the terms of the September 9, 2011 RSU grant, 902 shares of KLA-Tencor common stock were automatically withheld at vesting to cover required tax withholding. The fair market value of KLA-Tencor common stock used for purposes of calculating the

Reporting Owners 2

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number of shares to be withheld was the closing price of KLA-Tencor common stock as reported on the NASDAQ Stock Market on such vesting date.

- (4) Each RSU represents a contingent right to receive one share of KLA-Tencor common stock.
 - Does not include performance-based RSUs, if any, held by the Reporting Person for which an assessment has not yet been made
- (5) regarding the achievement of the applicable performance goals. Any such holdings will be reported on a Form 4 within two business days of the date such assessment is made.

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.