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

OIVIB APPROVAL						
OMB Number:	3235-0287					
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hours per response.	0.5					

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 or Section 30(h) of the Investment Company Act of 1940

Reporting Person*		2. Issuer	Nan	ne an	J T: 1											
		2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]								5	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) (First) (Middle) C/O KLA-TENCOR CORPORATION, ONE TECHNOLOGY DRIVE					3. Date of Earliest Transaction (Month/Day/Year) 06/12/2013									er (specify bel	ow)	
(Street)						ginal I	Filed(M	onth/Day	/Year)		6. Individual or Joint/Group Filing(Check Applicable Line) _X_Form filed by One Reporting Person					
	(7:)										Form filed by More than One Reporting Person					
(State)	(Zip)										red, Disposed	of, or Bene	eficially Own	ed		
1.Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Yea		Execution Date, if any		Code (Instr.	Code		(A) or Disposed of (Instr. 3, 4 and 5)		of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		ed	Ownership Form: Direct (D)	Beneficial Ownership		
					Cod	e	V Aı	mount	(A) or (D)	Price	(I		(I)	(Instr. 4)		
	06/12/2013				M		1,	250	A \$	\$ 41.45	1,250			D		
	06/12/2013				S		1,	250	D 5	55.21	0			D		
											13,763			[By Trust	
stricted Stock											2,558			D		
parate line for each						Po in di	erson this f isplay	s who form a s a cu	re not r	equired valid Ol	to respond MB control r	unless th		ned SEC	1474 (9-02)	
2 T		1									1 A	0 D.:£	0 Noveber	£ 10	11 31-4	
Date	Execution Date, if	Transac Code	tion	of Deri Secu Acqu (A) o Disp of (I (Inst	vative prities uired or osed O) r. 3, 4,	tive (Month/Day/Year) Expiration Date (Month/Day/Year) of Unc Securi (Instr.		of Unde Securiti	nderlying Derivative Security r. 3 and 4) Derivative Security Securities (Instr. 5) Reported Derivative Securities Beneficial Owned Following Reported		Derivative Securities Beneficially Owned Following Reported Transaction	Owners Form o Derivat Securit Direct (or Indir	Owners (Instr. 4) (D) rect			
		Code	V	(A)	(D)	Date Exerc			ation	Title	Amount or Number of Shares					
06/12/2013		М			1,250		<u>(4)</u>	08/0	1/2013	Comm	1 1 250	\$ 0	0	D		
	Stricted Stock stricted Stock sparate line for each Month/Day/Year	RIVE (Street) 35 (State) (Zip) 2. Transaction Date (Month/Day/Year) 06/12/2013 06/12/2013 stricted Stock parate line for each class of securities land (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3A. Deemed Execution Date, if any (Month/Day/Year) (Month/Day/Year)	(Street) (Street) (Street) (Street) (Street) (Street) (2. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (A. If Americal Execution any (Month/IIII) (Month/IIII) (Month/IIII) (A. If Americal Execution any (Month/IIII) (Month/IIII) (Month/IIIII) (A. If Americal Execution any (Month/IIII) (Month/IIII) (Month/IIIII) (A. If Americal Execution any (Month/IIII) (Month/IIII) (Month/IIII) (A. If Americal Execution any (Month/IIII) (Month/IIII) (Month/IIII) (A. If Americal Execution any (Month/IIII) (Month/IIII) (Month/IIII) (A. If Americal Execution any (Month/IIIII) (A. If Americal Execution any (Month/IIII) (A. If Americal Execution any (Month/IIII) (Month/IIII) (A. If Americal Execution any (Month/IIIII) (A. If Americal Execution any (Month/IIII) (A. If Americal Execution and (Month/IIIII) (A. If Americal Execution and (Month/IIII) (A. If Americal Execution and (Month/IIIII) (A. If Americal Execution and (Month/IIIII) (A. If Americal Execution	(Street) (Street) (Street) (Street) (State) (Zip) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) 3. Transaction Date (e.g., puts, call any (Month/Day/Year) (Month/Day/Year) 3. Transaction Date (e.g., puts, call any (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Code V	(Street) (Street) (Street) (Street) (A. If Amendment, E. 235 (State) (Zip) 2A. Deemed Execution Date, if any (Month/Day/Year) 06/12/2013 06/12/2013 06/12/2013 Stricted Stock Table II - Derivative Securit (e.g., puts, calls, with any (Month/Day/Year)) 3. Transaction Date (Execution Date, if any (Month/Day/Year)) (Month/Day/Year) 3A. Deemed Execution Date, if any (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Code V (A) (Code V (A) (Code V (A) (Code V (A) (A) (A) (Code V (A)	(Street) (A. If Amendment, Date Original Street of Stre	(Strate) (Strate) (Zip) (State) (Zip) (State) (Zip) (A. If Amendment, Date Original Identification Date (Instr. 8) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (A. If Amendment, Date Original Identification Date (Instr. 8) (Code (Instr. 8) (Instr. 8) (Code (Instr. 8) (Instr. 3) (Instr. 4) (Inst	(Street) (Street) (Strate) (Zip) (Zip) (A. If Amendment, Date Original Filed(Mand) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (A. If Amendment, Date Original Filed(Mand) (Instr. 8) (Instr. 3, 4, and 5) (Instr. 3, 4, and 5) (Instr. 3, 4, and 5)	(Street) (Street) (Street) (Street) (Street) (Street) (2.1 A Mendment, Date Original Filed(Month/Day) (Month/Day/Year) (Month/Day/Year)	(Street) 4. If Amendment, Date Original Filed(Month/Day/Year) 7. Table I - Non-Derivative Securities Acquired (Month/Day/Year) 8. Table II - Derivative Securities Acquired (Month/Day/Year) 8. Transaction Date (Instr. 8) 9. O6/12/2013 9. O6/	(Street) 4. If Amendment, Date Original Filed(Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year)	(Stared) (Stared) (Stared) (Stared) (Stared) (A) (Cap) Table I - Non-Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 3 and 4) 2. Transaction Date, if (Month/Day/Year) (Month/	Stricted Stock Stri	A. If Amendment, Date Original Filed(Month/Day/Year) S. Form filed by Mose flam One Reporting Person Form filed by Mose flam One Reported Form filed by Mose flam One Reporting Person Form filed by Mose flam One Reported Form f	Simple S	

Reporting Owners

		Relationsl	nips	
Reporting Owner Name / Address	Director	10% Owner	Officer	Other

BOND ROBERT T C/O KLA-TENCOR CORPORATION	X		
ONE TECHNOLOGY DRIVE	21		l
MILPITAS, CA 95035			l

Signatures

Brian M. Martin as Attorney-in-Fact for Robert T. Bond	06/13/2013		
**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 executed in multiple trades at prices ranging from \$55.206 to \$55.212. The price reported above reflects the weighted-average sales price. The Reporting Person 1. hereby undertaken to provide the provide trade of the income for the income following the purpose of the purpose of the income following the purpose of the purpose of
- (1) hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer, full information regarding the number of shares and prices at which the transaction was effected.
- (2) Shares held under The Robert T. Bond and Kathleen S. Bond Trust Agreement originally dated January 12, 1984 (as amended and restated to date), a trust of which the Reporting Person is a trustee and beneficiary.
- (3) Each restricted stock unit ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
- (4) Represents a stock option granted on August 1, 2006, granting the Reporting Person the right to purchase up to 1,250 shares of KLA-Tencor common stock. All of the shares subject to this stock option vested immediately and were exercisable on August 1, 2006.

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.