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

Print or Type Responses)										
1. Name and Address of Reporting Person* BOND ROBERT T	2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner			
(Last) (First) C/O KLA-TENCOR CORPORATIO ROBLES	3. Date of Earliest Transaction (Month/Day/Year) 09/13/2005						Officer (give title below) Oth	ner (specify below	w)	
(Street) SAN JOSE, CA 95130	4. If Amendment, Date Original Filed(Month/Day/Year)						6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting PersonForm filed by More than One Reporting Person			
(City) (State)	(Zip)		Table I - 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)			Owned Following Reported Transaction(s)	Form:	Beneficial
			Code	V	Amount	(A) or (D)	Price	(Instr. 3 and 4)		Ownership (Instr. 4)
Common Stock	09/13/2005(1)		M		5,000	A	\$ 37.05	7,000	D	
Common Stock	09/13/2005(1)		S		5,000	D	\$ 50.6136	2,000	D	
Common Stock	09/13/2005(1)		M		5,000	A	\$ 37.05	7,000	D	
Common Stock	09/13/2005(1)		S		5,000	D	\$ 50.6136	2,000	D	
Reminder: Report on a separate line for each	class of securities be	eneficially owned di	ectly or ind	irectl	v					
Tepor on a separate line for each	or occurred ov				*	respo	nd to the	collection of information contained	ed SEC	1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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a currently valid OMB control number.

1. Title of 3. Transaction 3A. Deemed 5. Number 6. Date Exercisable and 7. Title and Amount 8. Price of 9. Number of 10. 11. Nature Derivative Conversion Execution Date, if Transaction of Expiration Date of Underlying Derivative Derivative Ownership of Indirect (Month/Day/Year) (Month/Day/Year) or Exercise Derivative Securities Security Securities Form of Beneficial Security Code (Month/Day/Year) (Instr. 3) Price of (Instr. 8) Securities (Instr. 3 and 4) (Instr. 5) Beneficially Derivative Ownership Derivative Acquired Owned (Instr. 4) Security: Following Security (A) or Direct (D) Disposed Reported or Indirect Transaction(s) (I) of (D) (Instr. 3, 4, (Instr. 4) (Instr. 4) and 5) Amount Title **Expiration Date** Number Exercisable ofCode V (A) (D) Shares Non-Qualified Stock \$ Common \$ 37.05 09/13/2005(1) M 5,000 11/08/2002 11/08/2012 5,000 5,000 D Option Stock 50.6136 (right to buy) Non-Qualified Stock Common \$ 5.000 11/08/2002 11/08/2012 5.000 \$ 37.05 09/13/2005(1) M 0 D Option Stock 50.6136 (right to buy) Non-Qualified Stock Common \$40.24 05/11/2005 05/11/2015 2,500 2,500 D Option Stock (right to buy)

Non- Qualified Stock Option (right to buy)	\$ 40.68			10/18/2004	10/18/2014	Common Stock	2,500	2,500	D	
Non- Qualified Stock Option (right to buy)	\$ 44.76			01/25/2005	01/25/2015	Common Stock	2,500	2,500	D	
Non- Qualified Stock Option (right to buy)	\$ 47.23			11/09/2001	11/09/2011	Common Stock	10,000	10,000	D	
Non- Qualified Stock Option (right to buy)	\$ 51.35			08/02/2005	08/02/2012 ⁽²⁾	Common Stock	2,500	2,500	D	
Non- Qualified Stock Option (right to buy)	\$ 52.75			08/15/2000	08/15/2010	Common Stock	20,000	20,000	D	
Non- Qualified Stock Option (right to buy)	\$ 59.44			11/05/2003	11/05/2013	Common Stock	10,000	10,000	D	

Reporting Owners

	Relationships						
Reporting Owner Name / Address	Director	10% Owner	Officer	Other			
BOND ROBERT T C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130	X						

Signatures

By: Stuart J. Nichols For: Robert T. Bond	09/21/2005
**Signature of Reporting Person	Date

Explanation of Responses:

- \star 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) Due to an administrative error the transactions have been reported late.
- (2) Option expiration date was reported incorrectly on the original Form 4.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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