### Edgar Filing: KLA TENCOR CORP - Form 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 Fi chlications	<b>TTED STAT</b> <b>ATEMENT</b> iled pursuant t ion 17(a) of th	ES SECURITIE Washing OF CHANGES SEC to Section 16(a) of the Public Utility 1 (h) of the Investm	ton, D.C. IN BEN CURITIE of the Sec Holding (	20549 EFICIAI S urities Ex Company	L <b>OW</b> achan Act o	VNERSHI ge Act of of 1935 or	I <b>P OF</b> 1934,	OMB Numb Expire Estima burder respon	er: Janu es: ated average n hours per	5-0287 ary 31, 2005
(Print or Type Responses)										
1. Name and Address of Ro SCHROEDER KENN	2. Issuer Name <b>and</b> Ticker or Trading Symbol KLA TENCOR CORP [KLAC]				5. Relatio Issuer	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last) (First) C/O KLA-TENCOR CORPORATION, 160 ROBLES		3. Date of Earliest Transaction (Month/Day/Year) 12/03/2004				X Director 10% Owner X Officer (give title Other (specify				
(Street) SAN JOSE, CA 95130			4. If Amendment, Date Original Filed(Month/Day/Year)			<ul> <li>6. Individual or Joint/Group Filing(Check</li> <li>Applicable Line)</li> <li>_X_ Form filed by One Reporting Person</li> <li> Form filed by More than One Reporting</li> <li>Person</li> </ul>				k
(City) (State)	(Zip)	Table I - N	on-Derivat	tive Securit	ties Ac		posed of,	or Ben	eficially Owr	ied
•	Transaction Date onth/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) if Transactionor Disposed of (D) Code (Instr. 3, 4 and 5)		5. Amou Securitie Benefici Owned Followin Reported Transact	es ally ng d tion(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Stock 12/	/03/2004		Code V M	Amount 47,361	(D) A	Price \$ 16.97	(Instr. 3 209,29		D	
Common Stock 12/	/03/2004		S	47,361	D	\$ 49.2846	161,93	8	D	
Common Stock-Restricted Stock Units (1)							100,00	0	D	

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

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# displays a currently valid OMB control number.

## 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. Transacti Code (Instr. 8)	ofDeri Secu Acqu or D (D)	urities uired (A) isposed of r. 3, 4,	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amou Underlying Secur (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Am Nui Sha
Non-Qualified Stock Option (right to buy)	\$ 16.97	12/03/2004		М		47,361	10/23/1999	10/23/2008	Common Stock	41
Non-Qualified Stock Option (right to buy)	\$ 10.63						08/31/1999	08/31/2008	Common Stock	79
Non-Qualified Stock Option (right to buy)	\$ 26.25						11/10/2001	11/10/2010	Common Stock	31
Non-Qualified Stock Option (right to buy)	\$ 29.31						10/02/2002	10/02/2011	Common Stock	34
Non-Qualified Stock Option (right to buy)	\$ 32.75						04/04/2002	04/04/2011	Common Stock	31
Non-Qualified Stock Option (right to buy)	\$ 33.75						10/27/2000	10/27/2009	Common Stock	15
Non-Qualified Stock Option (right to buy)	\$ 34.67						11/08/2003	01/28/2013	Common Stock	62
Non-Qualified Stock Option (right to buy)	\$ 37.05						11/08/2003	11/08/2012	Common Stock	3
Non-Qualified Stock Option (right to buy)	\$ 40.66						10/27/2006	08/02/2014	Common Stock	22
Non-Qualified Stock Option (right to buy)	\$ 41.79						09/21/2005	09/21/2014	Common Stock	32

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Non-Qualified Stock Option (right to buy)	\$ 44.6875	08/13/2000	08/13/2010	Common Stock	7:
Non-Qualified Stock Option (right to buy)	\$ 45.16	10/27/2004	04/26/2014	Common Stock	31
Non-Qualified Stock Option (right to buy)	\$ 51.229	11/08/2003	07/30/2013	Common Stock	3
Non-Qualified Stock Option (right to buy)	\$ 53.86	10/27/2004	10/27/2013	Common Stock	60
Non-Qualified Stock Option (right to buy)	\$ 58.1	10/27/2006	01/27/2014	Common Stock	30

## **Reporting Owners**

Reporting Owner Name / Address					
F	Director	10% Owner	Officer	Other	
SCHROEDER KENNETH L C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130	Х		Chief Executive Officer		
Signatures					
By: Stuart J. Nichols For: Kenneth L. Schroeder		12/06/2	2004		
**Signature of Reporting Person		Date			
Explanation of Poenoneoe:					

## **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).

(1) Each restricted stock unit represents a contingent right to receive one share of KLAC common stock.

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.