#### KLA TENCOR CORP

Form 4

February 27, 2006

## FORM 4

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005
Estimated average

0.5

**OMB APPROVAL** 

Section 16.
Form 4 or
Form 5
obligations
may continue.
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

burden hours per response...

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * LEVY KENNETH  (Last) (First) (Middle)		2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
		3. Date of Earliest Transaction			
(Last) (I	(Wildle)	(Month/Day/Year)	_X_ Director 10% Owner		
C/O KLA-TENCOR CORPORATION, 160 RIO ROBLES		02/27/2006	X Officer (give title Other (specify below) Chairman of the Board		
(S	treet)	4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
SAN IOSE CA	95130	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting		

SAN JOSE, CA 95130

(State)

(City)

(Zip)

Toble I Non	-Derivative Securities	Acquired Dienocod	lof or	Ronoficially (	Dogwood
Table I - Non	1-Derivative Securities	- Acauirea, Disbosea	1 OL OF	Beneficially	Jwnea

Person

•	· •	Table 1 - No	m-Derivau	ive Securini	es Acq	jun eu, Dispe	sea oi, or belief	icially Owne	u
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. Securitie on Disposed o (Instr. 3, 4)	f (D)	uired (A) or	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)	
Common Stock	02/27/2006		M	100,000	A	\$ 10.63	101,474	D	
Common Stock	02/27/2006		S	100,000	D	\$ 51.7785	1,474	D	
Common Stock							298,000	I	KGMW, LP
Common Stock							40,000	I	Levy Fam. Foundation
Common Stock							1,614,375	I	by Levy Fam. Trust

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Common

Stock-Restricted 1,000 D Stock Units (2)

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

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 control number.

SEC 1474

(9-02)

# $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

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. Transactic Code (Instr. 8)	TransactionDerivative Code Securities		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and An Underlying Sec (Instr. 3 and 4)	
				Code V	(A) (	(D)	Date Exercisable	Expiration Date	Title	N S
Non-Qualified Stock Option (right to buy)	\$ 10.63	02/27/2006		M	100	0,000	08/31/1999	08/31/2008	Common Stock	]
Non-Qualified Stock Option (right to buy)	\$ 16.97						10/23/1999	10/23/2008	Common Stock	2
Non-Qualified Stock Option (right to buy)	\$ 26.25						11/10/2001	11/10/2010	Common Stock	
Non-Qualified Stock Option (right to buy)	\$ 29.31						10/02/2002	10/02/2011	Common Stock	
Non-Qualified Stock Option (right to buy)	\$ 32.75						04/04/2002	04/04/2011	Common Stock	
Non-Qualified Stock Option (right to buy)	\$ 33.75						10/27/2000	10/27/2009	Common Stock	
Non-Qualified Stock Option (right to buy)	\$ 34.67						11/08/2003	01/28/2013	Common Stock	
Non-Qualified Stock Option (right to buy)	\$ 37.05						11/08/2003	11/08/2012	Common Stock	

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Non-Qualified Stock Option (right to buy)	\$ 40.66	10/27/2004	08/02/2014	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 41.79	09/21/2005	09/21/2014	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 44.6875	08/13/2000	08/13/2010	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 45.16	10/27/2004	04/26/2014	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 47.95	09/26/2006	09/26/2012	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 51.229	11/08/2003	07/30/2013	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 53.86	10/27/2004	10/27/2013	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 58.1	10/27/2004	01/27/2014	Common Stock

# **Reporting Owners**

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
LEVY KENNETH C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130	X		Chairman of the Board			

# **Signatures**

By: Stuart J. Nichols For: Kenneth Levy 02/27/2006

\*\*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).
- (1) Due to an administrative error, the number of securities beneficially owned by the reporting person was reported incorrectly on the original Form 4.

Reporting Owners 3

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(2) 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.