FORM	4
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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).

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

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden hours per response... 0.5

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 BARNHOLT EDWARD W	2. Issuer Name and KLA TENCOR (5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X_ Director10% Owner Officer (give title below)Other (specify below)				
(Last) (First) C/O KLA-TENCOR CORPORAT ROBLES	5. Date of Earliest Tr 1/18/2005	ansaction (N	Aonth	/Day/Yea	ır)					
(Street) SAN JOSE, CA 95130	4	4. If Amendment, Date Original Filed(Month/Day/Year)						6. Individual or Joint/Group Filing(Check _X_Form filed by One Reporting Person Form filed by More than One Reporting Person		e)
(City) (State)	(Zip)		Table I - N	on-D	erivative	Securiti	ies Acqui	ired, Disposed of, or Beneficially Own	ed	
1.Title of Security 2. Transaction (Instr. 3) Date (Month/Day/Y)		2A. Deemed Execution Date, if any (Month/Day/Year)	(Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form:	Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price		or Indirect (I) (Instr. 4)	(Instr. 4)
Common Stock	11/18/2005		М		2,500	А	\$ 10.63	2,500	D	
Common Stock	11/18/2005		S		2,500	D	\$ 51.04	0	D	
Common Stock	11/18/2005		М		2,500	А	\$ 10.63	2,500	D	
Common Stock	11/18/2005		S		2,500	D	\$ 51.03	0	D	
Common Stock	11/18/2005		М		5,000	А	\$ 10.63	5,000	D	
Common Stock	11/18/2005		S		5,000	D	\$ 51	0	D	
Common Stock	11/18/2005		М		500	А	\$ 11.66	500	D	
Common Stock	11/18/2005		S		500	D	\$ 51	0	D	
Common Stock	11/18/2005		М		2,500	А	\$ 11.66	2,500	D	
Common Stock	11/18/2005		S		2,500	D	\$ 50.96	0	D	
Common Stock	11/18/2005		М		2,000	А	\$ 11.66	2,000	D	
Common Stock	11/18/2005		S		2,000	D	\$ 50.93	0	D	
Common Stock	11/18/2005		М		4,000	А	\$ 34.94	4,000	D	
Common Stock	11/18/2005		S		4,000	D	\$ 50.96	0	D	
Common Stock	11/18/2005		М		1,000	А	\$ 34.94	1,000	D	
Common Stock-Restricted Stock Units (1)								1,000	D	

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.

 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)	Code	tion)	of Deri Secu Acq (A) Disp of (I	oosed D) tr. 3, 4,	Expiration Date		e of Underlying		derlying Derivative Derivative ities Security Securities		Form of Derivative Security: Direct (D) or Indirect	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Non- Qualified Stock Option (right to buy)	\$ 10.63	11/18/2005		М			2,500	04/25/1997	10/25/2006	Common Stock	2,500	\$ 51.04	7,500	D	
Non- Qualified Stock Option (right to buy)	\$ 10.63	11/18/2005		М			2,500	04/25/1997	10/25/2006	Common Stock	2,500	\$ 51.03	5,000	D	
Non- Qualified Stock Option (right to buy)	\$ 10.63	11/18/2005		М			5,000	04/25/1997	10/25/2006	Common Stock	5,000	\$ 51	0	D	
Non- Qualified Stock Option (right to buy)	\$ 11.66	11/18/2005		М			500	09/21/1999	09/21/2008	Common Stock	500	\$ 51	4,500	D	
Non- Qualified Stock Option (right to buy)	\$ 11.66	11/18/2005		М			2,500	09/21/1999	09/21/2008	Common Stock	2,500	\$ 50.96	2,000	D	
Non- Qualified Stock Option (right to buy)	\$ 11.66	11/18/2005		М			2,000	09/21/1999	09/21/2008	Common Stock	2,000	\$ 50.93	0	D	
Non- Qualified Stock Option (right to buy)	\$ 34.94	11/18/2005		М			4,000	09/19/1998	09/19/2007	Common Stock	4,000	\$ 50.96	1,000	D	
Non- Qualified Stock Option (right to buy)	\$ 34.94	11/18/2005		М			1,000	09/19/1998	09/19/2007	Common Stock	1,000	\$ 0	0	D	
Non- Qualified Stock Option (right to buy)	\$ 17.59							11/17/1998	11/17/2008	Common Stock	5,832		5,832	D	

Non- Qualified Stock Option (right to buy)	\$ 26.25		11/10/2000	11/10/2010	Common Stock	10,000	10,000	D	
Non- Qualified Stock Option (right to buy)	\$ 37.05		11/08/2002	11/08/2012	Common Stock	10,000	10,000	D	
Non- Qualified Stock Option (right to buy)	\$ 40.24		05/11/2005	05/11/2015	Common Stock	2,500	2,500	D	
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)	\$ 46.28		11/16/1999	11/16/2009	Common Stock	10,000	10,000	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)	\$ 49.99		11/04/2005	11/04/2012	Common Stock	1,250	1,250	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)	\$ 59.44		11/05/2003	11/05/2013	Common Stock	10,000	10,000	D	

Reporting Owners

Reporting Owner Name / Address

	Relationsh	nips	
Director	10% Owner	Officer	Other

BARNHOLT EDWARD W C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130	Х			
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Signatures

By: Stuart J. Nichols For: Ed	ward W. Barnholt	11/21/2005
**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) Each restricted stock unit represents a contingent right to receive one share of KLAC common stock.
- (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.

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.