FORM	4
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Check this box if no	Ī
longer subject to	
Section 16. Form 4 or	
Form 5 obligations	
may continue. See	
Instruction 1(b).	

(Print or Type Responses)

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

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

SEC 1474 (9-02)

### 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

1. Name and Address KISPERT JOHN	2. Issuer Name an KLA TENCOR			<b>.</b>	ol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X_Officer (give title below) Chief Financial Officer 6. Individual or Joint/Group Filing(Check Applicable Line) X_Form filed by One Reporting Person Form filed by More than One Reporting Person					
C/O KLA-TENC	3. Date of Earliest 7 08/21/2003	Fransaction (	Mon	th/Day/Ye	ear)						
SAN JOSE, CA	4. If Amendment, I	Date Origina	l File	d(Month/Day	/Year)						
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
(Instr. 3) Date		2. Transaction Date (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)	Ownership Form:	Beneficial
			(Month/Day/Year)	Code	v	Amount	(A) or (D)	Price	(Instr. 3 and 4)	Direct (D) Ownership or Indirect (Instr. 4) (I) (Instr. 4)	
Common Stock		08/21/2003		М		535	А	\$ 10.63	6,812	D	
Common Stock		08/21/2003		S		535	D	\$ 56	6,277	D	
Common Stock		08/21/2003		М		2,000	А	\$ 10.63	8,277	D	
Common Stock		08/21/2003		S		2,000	D	\$ 56	6,277	D	
Common Stock		08/21/2003		М		18,790	А	\$ 33.75	25,067	D	
Common Stock		08/21/2003		S		18,790	D	\$ 56	6,277	D	
Common Stock		08/21/2003		М		5,370	А	\$ 44.6875	11,647	D	
Common Stock		08/21/2003		S		5,370	D	\$ 56	6,277	D	
Common Stock		08/21/2003		М		25,972	А	\$ 44.6875	32,249	D	
Common Stock		08/21/2003		S		25,972	D	\$ 56	6,277	D	
Common Stock		08/21/2003		М		11,000	А	\$ 26.25	17,277	D	
Common Stock		08/21/2003		S		11,000	D	\$ 56	6,277	D	
Common Stock		08/21/2003		М		9,333	А	\$ 32.75	15,610	D	
Common Stock		08/21/2003		S		9,333	D	\$ 56	6,277	D	
Common Stock		08/21/2003		М		22,000	А	\$ 29.31	28,277	D	
Common Stock		08/21/2003		S		22,000	D	\$ 56	6,277	D	

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

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

		1	1	(C.g., pu		,		, options, conv	er cione securite	(10)		-			
Security	Conversion		Execution Date, if	Transaction of Derivative Code Securities		Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		Derivative Security (Instr. 5)	Securities Beneficially Owned Following Reported Transaction(s)	Ownership Form of Derivative Security: Direct (D) or Indirect (I)	Beneficial		
				Code	v	(A)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)	(Instr. 4)	
Non- Qualified Stock Option (right to buy)	\$ 10.63	08/21/2003		М			535	08/31/1999	08/31/2008	Common Stock	535	\$ 56	7,000	D	

Non- Qualified Stock Option (right to buy)	\$ 10.63	08/21/2003	М	2,000	08/31/1999	08/31/2008	Common Stock	2,000	\$ 56	5,000	D	
Non- Qualified Stock Option (right to buy)	\$ 26.25	08/21/2003	М	11,000	11/10/2001	11/10/2010	Common Stock	11,000	\$ 56	9,000	D	
Non- Qualified Stock Option (right to buy)	\$ 29.31	08/21/2003	М	22,000	10/02/2002	10/02/2011	Common Stock	22,000	\$ 56	38,000	D	
Non- Qualified Stock Option (right to buy)	\$ 32.75	08/21/2003	М	9,333	04/04/2002	04/04/2011	Common Stock	9,333	\$ 56	10,667	D	
Non- Qualified Stock Option (right to buy)	\$ 33.75	08/21/2003	М	18,790	10/27/2000	10/27/2009	Common Stock	18,790	\$ 56	1,875	D	
Non- Qualified Stock Option (right to buy)	\$ 44.6875	08/21/2003	М	5,370	08/13/2000	08/11/2010	Common Stock	5,370	\$ 56	0	D	
Non- Qualified Stock Option (right to buy)	\$ 44.6875	08/21/2003	М	25,972	08/13/2001	08/13/2010	Common Stock	25,972	\$ 56	8,658	D	
Non- Qualified Stock Option (right to buy)	\$ 34.67				11/08/2003	01/28/2013	Common Stock	25,000		25,000	D	
Non- Qualified Stock Option (right to buy)	\$ 37.05				11/08/2003	11/08/2012	Common Stock	12,500		12,500	D	
Non- Qualified Stock Option (right to buy)	\$ 51.229				11/08/2003	07/30/2013	Common Stock	12,500		12,500	D	

# **Reporting Owners**

			Relationships	
Reporting Owner Name / Address	Director	10% Owner	Officer	Other
Address				

KISPERT JOHN H C/O KLA-TENCOR CORP. 160 RIO ROBLES SAN JOSE, CA 95134		Chief Financial Officer	
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## Signatures

John H Kispert	08/21/2003	
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).

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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