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).

(Print or Type Pespo

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

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## 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)		r								
1. Name and Address of Reporting P Bell Bobby R	2. Issuer Name a KLA TENCOI			0.	nbol		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner			
(Last) (First) C/O KLA-TENCOR CORPO TECHNOLOGY DRIVE	3. Date of Earliest 03/03/2015	Transactio	on (M	Ionth/Day	/Year)	[	XOfficer (give title below)         Other (specify below)           Executive Vice President			
(Street) MILPITAS, CA 95035	4. If Amendment,	Date Origi	nal F	iled(Month	/Day/Yea	ur) .	6. Individual or Joint/Group Filing(Check Applicable Line) _X_Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City) (State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of Security (Instr. 3)	Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)			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: Of Indire Benefici	Beneficia
			Code	V	Amount	(A) or (D)	Price	(Instr. 3 and 4)	Direct (D) Owne or Indirect (Instr. (I) (Instr. 4)	Ownershi (Instr. 4)
Common Stock	03/03/2015		Р		67	А	\$ 64.436	19,610 ( <u>1)</u>	D	
Common Stock - Restricted Stock Units <sup>(2)</sup>								67,812 <sup>(3)</sup>	D	

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

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SEC 1474 (9-02)

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

	( <i>e.g.</i> , puts, calls, warrants, options, convertible securities)														
1. Title of	2.	3. Transaction	3A. Deemed	4.	5	5.		6. Date Exer	cisable	7. Tit	le and	8. Price of	9. Number of	10.	11. Nature
Derivative	Conversion	Date	Execution Date, if	Transactio	n l	Numb	er	and Expiration	on Date	Amo	unt of	Derivative	Derivative	Ownership	of Indirect
Security	or Exercise	(Month/Day/Year)	any	Code	0			(Month/Day	onth/Day/Year) Underlying		rlying	Security	Securities	Form of	Beneficial
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	I	Deriva	ative			Securities (Instr. 5)		Beneficially	Derivative	Ownership	
	Derivative				5	Securities (		(Instr. 3 and		Owned	Security:	(Instr. 4)			
	Security				1	Acquired				4)			Following	Direct (D)	
					(A) or							Reported	or Indirect		
					Disposed		sed						Transaction(s)	(I)	
					of (D)							(Instr. 4)	(Instr. 4)		
					(Instr. 3,										
					4, and 5)										
											Amount				
								Date	Expiration		or				
								Exercisable	*	Title	Number				
								Exercisable	Date		of				
				Code V	V	(A)	(D)				Shares				

## **Reporting Owners**

	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer	Other				
Bell Bobby R C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035			Executive Vice President					

## **Signatures**

 Brian M. Martin as Attorney-In-Fact for Bobby R. Bell
 05/01/2015

- \* 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) Amount includes a total of 67 shares of KLA-Tencor common stock acquired by Mr. Bell pursuant to automatic reinvestment of the dividends paid on KLA-Tencor common stock. Mr. Bell did not authorize the reinvestment of the dividends.
- (2) Each restricted stock unit ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
- (3) Does not include performance-based RSUs, if any, held by the Reporting Person for which an assessment has not yet been made regarding the achievement of the applicable performance goals. Any such holdings will be reported on a Form 4 within two business days of the date such assessment is made.

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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