Khan Ahmad A. Form 4 November 14, 2017

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11/11/2017

November 14	1, 2017											
FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION									OMB APPROVAL			
UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549								OMB Number:	3235-0287			
Check thi if no long		Expires:	January 31,									
subject to Section 10 Form 4 or Form 5	6. SECURITIES									2005 verage rs per 0.5		
Form 5 obligations may continue. See Instruction 1(b). 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												
(Print or Type R	Responses)											
Khan Ahmad A. Symbol				Name and			-6	5. Relationship of Reporting Person(s) to Issuer				
(Last)	(First)	(Middle)		Earliest Tr	_	Lite	, 1	(Check	all applicable)		
C/O KLA-TENCOR 11/10/20 CORPORATION, ONE TECHNOLOGY DRIVE				ay/Year)	ansaction			Director X Officer (give below)	Officer (give title Other (specify			
				ndment, Da th/Day/Year	_	1		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting				
		(T: \						Person				
(City)	(State)	(Zip)		e I - Non-D	erivative	Secur	ities Acqu	ired, Disposed of,	or Beneficiall	y Owned		
1.Title of Security (Instr. 3)		Transaction Date 2A. Deemed Month/Day/Year) Execution Date, if any (Month/Day/Year)			4. Securi or(A) or Di (Instr. 3,	(A)	d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Stock	11/10/2017			S	3,652 (1)	D	\$ 102.2	3,289	D			
Common Stock - Restricted Stock Units	11/11/2017			M	5,019 (3)	D	\$0	60,627 (4)	D			
Common Stock	11/11/2017			M	5,019 (3)	A	\$ 0	8,308	D			

2,619 D \$

5,689

D

Stock (5) 102.44

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.

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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. Transa Code (Instr.	8)	5. nNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Amou Under Secur	rlying	8. Price of Derivative Security (Instr. 5)
				Code	V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Khan Ahmad A. C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035

EVP

Signatures

Teri Little as Attorney-in-Fact for Ahmad A.

Khan 11/13/2017

**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) This sale was effected pursuant to the terms of a Rule 10b5-1 trading plan adopted by the Reporting Person on June 14, 2017.
- (2) Each restricted stock unit ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
- (3) Represents 25% of the RSUs that vested from the grant made on November 11, 2016.

(4)

Reporting Owners 2

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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.

Pursuant to the terms of the grant, shares of KLA-Tencor common stock were automatically withheld at vesting to cover required tax (5) withholding. The fair market value of KLA-Tencor common stock used for purposes of calculating the number of shares to be withheld was the closing price of KLA-Tencor common stock as reported on November 10, 2017.

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.