KLA TENCOR CORP

Form 4

Stock -

(1)

Restricted Stock Units

Common

Common

Stock

Stock

11/02/2016

November 03, 2016

November 03, 20	16									
FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION							OMB APPROVAL			
	Washington, D.C. 20549							OMB Number:	3235-0287	
Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).	Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction See Instruction STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940								January 31, 2005 average rs per 0.5	
(Print or Type Respor	nses)									
1. Name and Address of Reporting Person ** Wang David C			2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]				5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) (CO KLA-TENC CORPORATION TECHNOLOGY	(Mo	3. Date of Earliest Transaction (Month/Day/Year) 11/02/2016				_X_ Director 10% Owner Officer (give title below) Other (specify below)				
				lment, Date /Day/Year)	Original		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
MILPITAS, CA 95035 — Form filed by M. Person							Aore than One Re	eporting		
(City) (State) (Zi	ip)	Table l	I - Non-Dei	rivative So	ecurities Ac	quired, Disposed of	f, or Beneficial	ly Owned	
	Fransaction Date onth/Day/Year)	2A. Deemed Execution D any (Month/Day	Date, if	3. Transactio Code (Instr. 8)	Disposed (Instr. 3,	(A) or 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)	

2,141 (2)

\$ 0 4,535

3,825

19,817

D

D

I

A

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

By Trust

(3)

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SEC 1474 (9-02)

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title a	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	ution Date, if Transacti		onNumber Expiration Date		Amount	of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	and 4)		Own
	Security				Acquired						Follo
	·				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									mount		
						Date	Expiration	01			
						Exercisable	Date		umber		
								of			
				Code V	(A) (D)			S	hares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer

Wang David C C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035

X

Signatures

Teri A. Little as Attorney-in-Fact for David C. Wang

11/03/2016

**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 ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
- Represents a grant of RSUs that, pursuant to KLA-Tencor's outside director compensation program, was automatically granted to the (2) Reporting Person on the date of KLA-Tencor's annual meeting of stockholders with respect to the Reporting Person's service on the Board of Directors for the upcoming year. The RSUs will fully vest one year from date of grant and will be deliverable on such date.
- (3) Shares held by the David and Darlene Wang, Trustees, Wang Family Revocable Trust dated 7/2/2013.

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.

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