FORM 4

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

OMB APPROVAL
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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).

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 Ty	pe Response	s)													
1. Name and Address of Reporting Person* PATEL KIRAN M				2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner				
(Last) (First) (Middle) C/O KLA-TENCOR CORPORATION, ONE TECHNOLOGY DRIVE				3. Date of Earliest Transaction (Month/Day/Year) 11/07/2018							Office	er (give title belo	ow)	Other (specify l	pelow)
(Street) MILPITAS, CA 95035			4. If Amendment, Date Original Filed(Month/Day/Year)						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 Acqui						ired, Disposed of, or Beneficially Owned					
(Instr. 3) Da		2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, any (Month/Day/Yea	(Instr. 8)		4. Securities Acqu (A) or Disposed o (D) (Instr. 3, 4 and 5)		of	Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		Form: Direct (D)	7. Nature of Indirect Beneficial Ownership			
					C	ode	V	Amoun	(A) or (D)	Price				or Indirect (I) (Instr. 4)	(Instr. 4)
Common Stock Ur	Stock - R	estricted	11/07/2018		,	A		2,072 (2)	A	\$ 0	2,072			D	
Common	Stock										1,902			D	
Common Stock										14,852			I	By Trust (3)	
Reminder:	Report on a s	separate line fo	r each class of securi	ities beneficially of		l d	Perso conta the fo	ons wh ained ir orm dis	o respor this for plays a	m are curre	not requesting ntly valid	OMB conf	ormation spond unle trol numbe	ss	1474 (9-02)
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/	3A. Deemed Execution Dat Year) any	e.g., puts, calls, w 4. e., if Transaction Code Year) (Instr. 8)	5. Numb of Derive Securi Acqui (A) or Dispo of (D) (Instr. 4, and	er ative ities red sed	6. Da and E (Mon	te Exerc Expiration th/Day/	isable n Date	7. Ti Amo Und Secu (Inst 4)	itle and ount of erlying urities tr. 3 and Amount or Number of Shares	Derivative Security (Instr. 5)	9. Number Derivative Securities Beneficially Owned Following Reported Transactior (Instr. 4)	Owners Form of Derivati Security Direct (or Indire	Beneficia Ownersh (Instr. 4)

Reporting Owners

	Relationships					
Reporting Owner Name / Address	Director	10% Owner	Officer	Other		
PATEL KIRAN M C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035	X					

Signatures

Teri A. Little as Attorney-in-Fact for Kiran M. Patel

11/08/2018

**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.
- (2) On November 7, 2018 the reporting person received an automatic grant of RSUs in connection with the annual meeting of stockholders for 2,072 shares of Common Stock. The RSUs vest on the earliest to occur of 10 days prior to a change of control, the next annual meeting of stockholders and the one year anniversary of the grant date.
- (3) By The Kiran and Jocimara Patel Trust dated October 23, 2008, of which the Reporting Person is a trustee and beneficiary.

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.