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)												
Name and Trafas Bi		f Reporting Pe	erson*	2. Issuer Name a KLA TENCO				mbol		Direct	or	eck all appli	cable) 10% Owner	
			(Middle) RATION, ONE	3. Date of Earliest 07/01/2019	t Transacti	ion (N	/Ionth/Day	/Year)		X_Office	er (give title belo Execu	utive Vice P	Other (specify resident	below)
MILPITA	AS, CA 95	(Street)		4. If Amendment,	Date Orig	ginal I	Filed(Month	/Day/Ye	ar)	_X_ Form fil	ual or Joint/O ed by One Repo	orting Person		able Line)
(City		(State)	(Zip)	Ta	able I - No	on-De	erivative S	Securit	ies Acqui	red, Disp	osed of, or I	Beneficially	Owned	
1.Title of S (Instr. 3)	Security		2. Transaction Date (Month/Day/Year)			ection	4. Securi (A) or D (Instr. 3,	isposeo	d of (D)	Beneficia Reported	nt of Securit ally Owned I Transaction	Following	Form:	7. Nature of Indirect Beneficial
			(Month/Day/Year)	Code	V	Amount	(A) or (D)	Price	(Instr. 3 and 4)			Direct (D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)	
Common Stock		07/01/2019		J	V	274 (1)	A	\$ 77.274 (2)	274		D			
Common Stock		07/01/2019		S		274 (3)	D	\$ 121.36	0		D			
Common Stock - Restricted Stock Units (4)									39,001 ⁽⁵⁾		D			
Reminder:	Report on a s	separate line f	or each class of secu	rities beneficially o	wned dire	ctly o	r indirectly	y. 🗀						
						cor	ntained ir	n this	form are	not requ	ction of inf uired to res OMB cont	spond unle	ess	1474 (9-02)
				Derivative Securit (e.g., puts, calls, w						y Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transactic Date (Month/Day)	Year) Execution Da	rate, if Transaction Code Year) (Instr. 8)	5. Number of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	and (M	6. Date Exerc and Expiratio (Month/Day/		Amo Unde Secu			9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Owners Form o Derivat Securit Direct (or India	Beneficial Ownership y: (Instr. 4)
				Code V	(A) (D)			Expira Date	tion Title	Amount or Number of Shares				

Reporting Owners

	Relationships						
Reporting Owner Name / Address	Director	10% Owner	Officer	Other			
Trafas Brian M. C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035			Executive Vice President				

Signatures

/s/ Teri Little as Attorney-in-Fact for Brian M. Trafas	07/03/2019
**Signature of Reporting Person	Date
	J

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) Represents shares acquired under the KLA-Tencor Corporation Amended and Restated 1997 Employee Stock Purchase Plan.
- (2) Purchase price represents 85% of the closing price of the registrant's common stock on the ESPP start date.
- (3) This sale was effected pursuant to the terms of a Rule 10b5-1 trading plan adopted by the Reporting Person on November 13, 2018.
- (4) Each restricted stock unit ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
- (5) 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.

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.