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 Responses	5)												
Name and Address of Reporting Person * Trafas Brian M.			2. Issuer Name and Ticker or Trading Symbol KLA CORP [KLAC]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner						
			(Middle) RATION, ONE	3. Date of Earliest 08/05/2019	Transactio	on (M	onth/Day	/Year)		X_ Office	er (give title belo Execu	ow) tive Vice Pr	Other (specify besident	pelow)
(Street)				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				
	AS, CA 950													
(City	·)	(State)	(Zip)	Ta	able I - No	n-Dei	rivative S	ecuriti	ies Acqui	ired, Dispo	osed of, or E	Beneficially (Owned	
(Instr. 3) Date		2. Transaction Date (Month/Day/Year)	Execution Date, if Code			on 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		Following	Form:	7. Nature of Indirect Beneficial Ownership	
				(Month/Day/Tear)	Code	V	Amount	(A) or (D)	Price	(msu. 3 a	,			(Instr. 4)
Common Stock Un	Stock - Ro	estricted	08/05/2019		М		1,251 (2)	D	\$ 0	32,001	(3)		D	
Common	Common Stock		08/05/2019		М		1,251 (2)	A	\$ 0	4,300			D	
Common	Stock		08/05/2019		F		621 ⁽⁴⁾	D	\$ 133.24	3,679			D	
Common Stock			08/05/2019		S		3,049 (<u>5</u>)	D	\$ 130.1	630			D	
Common Stock - Restricted Stock Units (1)		08/06/2019		M		5,456 (6)	D	\$ 0	26,545 ⁽³⁾			D		
Common Stock		08/06/2019		M		5,456 (6)	A	\$ 0	6,086			D		
Common Stock		08/06/2019		F		2,706 (7)	D	\$ 135.64	3,380			D		
Common Stock - Restricted Stock Units (1)		08/06/2019		M		2,200 (8)	D	\$ 0	24,345 ⁽³⁾			D		
Common Stock		08/06/2019		M		2,200 (8)	A	\$ 0	5,580			D		
Common Stock		08/06/2019		F		1,091 (7)	D	\$ 135.64	4,489			D		
Common Stock		08/06/2019		S		630 (5)	D	\$ 131.87	3,859			D		
Reminder:	Report on a s	eparate line f	or each class of secu	rities beneficially ov		Pers	sons who	o resp	form are	not requ	ction of inf	pond unle	ss	1474 (9-02)
			Table II -	Derivative Securit						•	OMB cont	rol numbe	r.	
				(e.g., puts, calls, wa	arrants, op	tions	s, convert	ible se	curities)		1			
Derivative Conversion		(Month/Day/Year) any		Transaction Code Year) (Instr. 8)	of Derivative Securities Acquired (A) or	and (Mo	Expiration Date Amonth/Day/Year) Amonth/Day/Year)		Amo Und Secu (Inst	itle and ount of erlying urities tr. 3 and	Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported	Owners Form of Derivati Security Direct (1 or Indire	Beneficia Ownershi (Instr. 4)
					Disposed of (D) (Instr. 3,							Transaction (Instr. 4)	(s) (I) (Instr. 4)

4, and 5)

	Code V (A) (D)	Date Expiration Date Title	Amount or Number of Shares	
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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	08/07/2019	
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 common stock.
- (2) On August 3, 2017, the reporting person was granted 5,003 RSUs. On August 3, 2019, 25% of those shares vested but were not released until August 5, 2019.
- 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 common stock were automatically withheld at vesting to cover required tax withholding. The fair market value of KLA common stock used for purposes of calculating the number of shares to be withheld was the closing price of KLA common stock as reported on August 2, 2019.
- (5) This sale was effected pursuant to the terms of a Rule 10b5-1 trading plan adopted by the Reporting Person on November 13, 2018.
- (6) On August 6, 2015, the reporting person was granted performance RSUs that the Compensation Committee determined in 2018 was for 10,912 shares based on the satisfaction of performance criteria. On August 6, 2019, the remaining shares vested.
- (7) Pursuant to the terms of the grant, shares of KLA common stock were automatically withheld at vesting to cover required tax withholding. The fair market value of KLA common stock used for purposes of calculating the number of shares to be withheld was the closing price of KLA common stock as reported on August 6, 2019.
- (8) On August 6, 2015, the reporting person was granted 5,003 RSUs. On August 6, 2019, the remaining RSUs vested.

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.