Higgins Bren D. Form 4 August 10, 2018

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Higgins Bren D.	ng Person *	2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]	5. Relationship of Reporting Person(s) to Issuer		
(Last) (First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
C/O KLA-TENCOR CORPORATION, ONE TECHNOLOGY DRIVE		(Month/Day/Year) 08/08/2018	Director 10% Owner _X_ Officer (give title Other (specify below) EVP & Chief Financial Officer		
(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		
MILPITAS, CA 95035			Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tabl	e I - Non-I	Derivative Secu	rities Acquir	ed, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities A corr Disposed of (Instr. 3, 4 and (A))	f (D) 15)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	08/08/2018		Code V S	Amount (D) 600 (1) D	Price \$ 116.77 (2)	(Instr. 3 and 4) 13,089	D	
Common Stock	08/08/2018		S	265 (1) D	\$ 118.13	12,824	D	
Common Stock	08/08/2018		S	700 <u>(1)</u> D	\$ 115.896 (3)	12,124	D	
Common Stock	08/08/2018		S	344 (1) D	\$ 117.432	11,780	D	

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Common Stock	08/08/2018	S	700 (1)	D	\$ 115.969 (5)	11,080	D
Common Stock	08/09/2018	S	1,243 (1)	D	\$ 117.355 (6)	9,837	D
Common Stock	08/09/2018	S	2,899 (1)	D	\$ 117.46	6,938	D
Common Stock - Restricted Stock Units						64,395 (8)	D

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

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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. Tit	le and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amou	unt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Unde	rlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Secur	rities	(Instr. 5)	Bene
	Derivative				Securities	3		(Instr	. 3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A manust		
									Amount		
						Date	Expiration	Title	or Number		
						Exercisable	Date	Title	of		
				C-J- V	(A) (D)						
				Code V	(A) (D)				Shares		

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Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Higgins Bren D. C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035			EVP & Chief Financial Officer				

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Signatures

/s/ Teri A. Little as Attorney-in-Fact for Bren D. Higgins

08/10/2018

**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) This sale was effected pursuant to the terms of a Rule 10b5-1 trading plan adopted by the Reporting Person on January 30, 2018.
- (2) Represents the weighted average sales price for the shares. The sales prices ranged from \$116.52 to \$117.21. The reporting person will provide upon request full information regarding the number of shares sold at each separate price.
- (3) Represents the weighted average sales price for the shares. The sales prices ranged from \$115.71 to \$116.00. The reporting person will provide upon request full information regarding the number of shares sold at each separate price.
- (4) Represents the weighted average sales price for the shares. The sales prices ranged from \$117.15 to \$118.13. The reporting person will provide upon request full information regarding the number of shares sold at each separate price.
- (5) Represents the weighted average sales price for the shares. The sales prices ranged from \$115.78 to \$116.00. The reporting person will provide upon request full information regarding the number of shares sold at each separate price.
- (6) Represents the weighted average sales price for the shares. The sales prices ranged from \$117.28 to \$117.46. The reporting person will provide upon request full information regarding the number of shares sold at each separate price.
- (7) Each restricted stock unit ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
 - Does not include performance-based RSUs, if any, held by the Reporting Person for which an assessment has not yet been made
- (8) 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.

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