FORM 4	4
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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).

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

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden hours per response... 0.5

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 Type Responses)										
1. Name and Address of Reporting Per Steimberg Amichai	2. Issuer Name an KLA TENCOR			0.	bol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner				
ONE TECHNOLOGY DRIVE	3. Date of Earliest 7 06/29/2019	Fransaction	ı (Mo	onth/Day/	Year)	X Officer (give title below) Other (specify below) CEO - Orbotech Ltd.				
(Street) MILPITAS, CA 95035	4. If Amendment, I	Date Origin	al Fil	ed(Month/E	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 Acquired, Disposed of, or Beneficially Owned								
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transac Code (Instr. 8) Code	etion V	(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or		of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	Form:	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock - Restricted Stock Units (1)	06/29/2019		М		2,787	D	\$ 0	31,683 (2)	D	
Common Stock	06/29/2019		М		2,787	А	\$0	21,079	D	

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

Persons who respond to the collection of informationSEC 1474 (9-02)contained in this form are not required to respond unlessthe form displays a currently valid OMB control number.

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

 (a) and a security and a security and a security of the securit

(e.g., puts, calls, warrants, options, convertible securities)														
	3. Transaction	3A. Deemed	4.	5	5.				7. Tit					11. Nature
ive Conversion	Date	Execution Date, if	Transactio	on N	Numb	ber	and Expirati	on Date	Amou	unt of	Derivative	Derivative	Ownership	of Indirect
y or Exercise	(Month/Day/Year)	any	Code	C	of		(Month/Day	/Year)	Unde	rlying	Security	Securities	Form of	Beneficial
Price of		(Month/Day/Year)	(Instr. 8)	Ι	Deriva	ative			Secur	ities	(Instr. 5)	Beneficially	Derivative	Ownership
Derivative				S	Securi	ities			(Instr. 3 and			Owned	Security:	(Instr. 4)
Security				P	Acqui	red			4)			Following	Direct (D)	
				(A) or	•						Reported	or Indirect	
					· · ·							(Instr. 4)	(Instr. 4)	
						· · ·								
				4	l, and	5)								
										Amount				
							Data	Evairation		or				
									Title	Number				
							Exercisable	Date		of				
			Code	V	(A)	(D)				Shares				
t	y or Exercise 3) Price of Derivative	tive Conversion Date (Month/Day/Year) 3) Price of Derivative	 c of 2. d X. Transaction d X. Deemed d X Deemed <lid deemed<="" li="" x=""> d X Deemed</lid>	2 of 2. 3. Transaction Date 3. Deemed 4. Transaction 3. Price of Derivative Security (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Instr. 8)	2 of 2. 3. Transaction Date 3. A. Deemed 4. Transaction Date 3. Transaction Code 4. Transaction Date 3. Transaction Date 3. Deemed 4. Execution Date, if 3. Transaction 1. Code 3. Transaction 1.	2 of 2. 3. Transaction Date Security or Exercise (Month/Day/Year) Date (Month/Day/Year) And Code (Instr. 8) Security (Month/Day/Year) (Month/	2 of 2. 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. 5. Transaction Number of Date (Month/Day/Year) 4. 5. Transaction Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	2 of 2. 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. 5. 6. Date Exert and Expiration Code (Instr. 8) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) Date Exercisable Exercisable (Month/Day/Year) 4. 5. 7. 6. Date Exercise (Month/Day/Year) 4. 5. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	2 of 2. 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. 5. 6. Date Exercisable and Expiration Date (Month/Day/Year) 6. Date (Month/Day/Yea	2 of 2. 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. 5. Date Exercisable and Expiration Date (Month/Day/Year) 0. Derivative Security (Month/Day/Year) 0. Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) 0. Date Expiration Date (Instr. 3, 4, and 5) 0. Date Expiration Date (Instr. 3, 4, and 5) 0. Date Expiration Date (Instr. 3, 4, and 5) 0. Date Expiration Date (Instr. 3, 4, and 5) 0. Date (Expiration Date (Instr. 3, 4, and 5) 0. Da	2 of 2. 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. 5. Conversion Date (Month/Day/Year) 4. 5. Conversion Date (Month/Day/Year) 4. 5. Date Exercisable and Expiration Date (Month/Day/Year) 5. 6. Date Exercisable and Expiration Date (Month/Day/Year) 5. 7. Title and Amount of Underlying Securities (Instr. 3 and 4.) 6. Date Exercisable and Expiration Date (Instr. 3, 4. and 5.) 6. Date Exercisable and Expiration Date (Instr. 3. and 5.) 6. Date Expiration Date (Instr. 3. and 5.) 7. Title and Amount of Underlying Securities (Instr. 3. and 5.) 7. Title and Amount of Underlying Securities (Instr. 3. and 5.) 7. Title and Amount of Underlying Securities (Instr. 3. and 5.) 7. Title and Amount of Underlying Securities (Instr. 3. and 5.) 7. Title and Amount of Underlying Securities (Instr. 3. and 5.) 7. Title and Amount of Underlying Securities (Instr. 3. and 5.) 7. Title and Amount of Underlying Securities (Instr. 3. and 5.) 7. Title and Amount of Underlying Securities (Instr. 3. and 5.) 7. Title and Amount of Underlying Securities (Instr. 3. and 5.) 7. Title and Amount of Underlying Securities (Instr. 3. and 5.) 7. Title Amount of Underlying Securities (Instr. 3. and 5.) 7. Title Amount of Underlying Securities (Instr. 3. and 5.) 7. Title Amount of Underlying Securities (Instr. 3. and 5.) 7. Title	2 of 2. 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. 5. 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. 5. 3. Transaction Date (Month/Day/Year) 4. 5. 5. 6. Date Exercisable and Expiration Date (Month/Day/Year) 5. 6. Date Exercisable and Expiration Date (Month/Day/Year) 5. 6. Date Exercisable and Expiration Date (Month/Day/Year) 5. 6. Date Exercisable and Expiration Date (Month/Day/Year) 5. 7. Title and Amount of Derivative Securities (Instr. 3) 7. Title and Expiration Date (Month/Day/Year) 5. 7. T	2 of 2. 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. Transaction Code (Instr. 8) 5. Transaction Date (Month/Day/Year) 4. Transaction (Month/Day/Y	2. cof 2. Conversion Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. 5. Conversion Date (Month/Day/Year) 4. 5. Conversion Date (Month/Day/Year) 4. 5. Conversion Date (Month/Day/Year) 4. Transaction Number of Derivative Securities (Month/Day/Year) (Month/Day/Yea

Reporting Owners

	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer	Other				
Steimberg Amichai ONE TECHNOLOGY DRIVE MILPITAS, CA 95035			CEO - Orbotech Ltd.					

Signatures

 /s/ Jeffrey Cannon, attorney-in-fact
 07/02/2019

 •••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-Tencor common stock.
- (2) 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.