

Torton Shay  
Form 4  
April 16, 2010

**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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Torton Shay

2. Issuer Name and Ticker or Trading Symbol  
KULICKE & SOFFA INDUSTRIES INC [KLIC]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Senior Vice President

(Last) (First) (Middle)  
1005 VIRGINIA DRIVE  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
04/14/2010

FORT WASHINGTON, PA US  
19034

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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. Transaction Code (Instr. 8)	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)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount or Price (A) or (D)		
Common Stock	04/14/2010		M		8,019 A \$ 2.95	45,853	D
Common Stock	04/14/2010		S		8,019 (1) D \$ 9.12	37,834	D
Common Stock	04/14/2010		M		10,000 A \$ 7.14	47,834	D
Common Stock	04/14/2010		S		10,000 (1) D \$ 9.5	37,834	D
Common Stock						8,865	I By Kulicke and Soffa

Incentive Savings Plan

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
Option to Buy-Option Plan	\$ 2.95	04/14/2010		M	8,019	(2) 10/03/2012	Common Stock	8,019
Option to Buy-Option Plan	\$ 7.14	04/14/2010		M	10,000	(2) 10/29/2014	Common Stock	10,000

## Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Torton Shay  
1005 VIRGINIA DRIVE  
FORT WASHINGTON, PA US 19034

Senior Vice President

## Signatures

Susan L. Waters, Attorney-in-Fact for Shay  
Torton

04/16/2010

\_\_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).

## Edgar Filing: Torton Shay - Form 4

- (1) The shares covered by this Form 4 were sold pursuant to a Rule 10b5-1(c) sales plan dated August 26, 2009.
- (2) Grant had a graded vesting schedule. All options vested 4 years after grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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