KULICKE & SOFFA INDUSTRIES INC

Form 4

February 21, 2012

FORM 4

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

burden hours per response...

See Instruction

1(b).

(Print or Type Responses)

| 1. Name and Address of Reporting Person ** SALMONS CHARLES J | 2. Issuer Name and Ticker or Trading Symbol | 5. Relationship of Reporting Person(s) to Issuer | | | |
|--|--|---|--|--|--|
| | KULICKE & SOFFA INDUSTRIES INC [KLIC] | (Check all applicable) | | | |
| (Last) (First) (Middle) | 3. Date of Earliest Transaction | Director 10% Owner | | | |
| 1005 1115 CD 11 1 55 U.S. | (Month/Day/Year) | X_ Officer (give title Other (specify below) Senior Vice President | | | |
| 1005 VIRGINIA DRIVE | 02/17/2012 | | | | |
| (Street) | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | | |
| | Filed(Month/Day/Year) | Applicable Line) | | | |
| | | _X_ Form filed by One Reporting Person | | | |
| FORT WASHINGTON, PA US | | Form filed by More than One Reporting Person | | | |

19034

(State)

(Zip)

(City)

| Table I - Non-Derivative Securities A | Acquired, Disposed of, or Beneficially Owned | |
|---------------------------------------|--|--|
| Table 1 - Non-Delivative Securities A | acquired, Disposed of, or Deficiently Owned | |

| | | 141 | 1011 | Delliativ | becu | rices ricqui | cu, Disposeu oi, | or Deliciteian | y Owned |
|--------------------------------------|---|---|-----------------|--------------------------|------------------------------|---------------|--|--|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | Code (Instr. 8) | omr Dispos (Instr. 3, | sed of 4 and (A) or | 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 Indirect Beneficial Ownership (Instr. 4) |
| Common | | | Code V | Amount | (D) | Price | | | |
| Common Stock | 02/17/2012 | | S | 270 (1) | D | \$ 11.38 | 62,922 | D | |
| Common Stock | 02/17/2012 | | S | 17,604 (1) | D | \$ 11.39 | 45,318 | D | |
| Common Stock | 02/17/2012 | | S | 152 (1) | D | \$ 11.3901 | 45,166 | D | |
| Common Stock | 02/17/2012 | | S | 3,592 (1) | D | \$ 11.4 | 41,574 | D | |
| Common Stock | 02/17/2012 | | S | 2,336 (1) | D | \$ 11.41 | 39,238 | D | |

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| Common Stock | 02/17/2012 | S | 90 (1) | D | \$ 11.415 | 39,148 | D |
|-----------------|------------|---|--------------|---|-----------|--------|---|
| Common Stock | 02/17/2012 | S | 2,066 (1) | D | \$ 11.42 | 37,082 | D |
| Common Stock | 02/17/2012 | S | 90 (1) | D | \$ 11.423 | 36,992 | D |
| Common Stock | 02/17/2012 | S | 180 (1) | D | \$ 11.425 | 36,812 | D |
| Common Stock | 02/17/2012 | S | 1,796 (1) | D | \$ 11.43 | 35,016 | D |
| Common Stock | 02/17/2012 | S | 90 (1) | D | \$ 11.435 | 34,926 | D |
| Common Stock | 02/17/2012 | S | 3,054 (1) | D | \$ 11.44 | 31,872 | D |
| Common Stock | 02/17/2012 | S | 180 (1) | D | \$ 11.45 | 31,692 | D |

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. Transacti Code (Instr. 8) | 5. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | ate | Under | unt of rlying | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr |
|---|---|--------------------------------------|---|---------------------------------------|---|---------------------|--------------------|-------|--|---|---|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Reporting Owners 2

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SALMONS CHARLES J 1005 VIRGINIA DRIVE FORT WASHINGTON, PA US 19034

Senior Vice President

Signatures

Susan L. Waters, Attorney-in-Fact for Charles J. Salmons

02/21/2012

**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) The shares covered by this Form 4 were sold pursuant to a Rule 10b5-1(c) sales plan dated May 25, 2011, which was adopted for the purposes of funding taxes arising as a result of vesting of Performance Share Units.

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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