

Anderson David Joseph
 Form 3
 December 15, 2010

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 * Â Anderson David Joseph (Last) (First) (Middle) 1005 VIRGINIA DRIVE (Street) FORT WASHINGTON, Â PA Â 19034 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 12/13/2010	3. Issuer Name and Ticker or Trading Symbol KULICKE & SOFFA INDUSTRIES INC [KLIC]	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) VP, General Counsel	5. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	7,874	I	By Kulicke and Soffa Incentive Savings Plan
Common Stock	47,936	D	Â

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

SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security	Security: Direct (D) or Indirect (I) (Instr. 5)	
Option to Buy - Option Plan	03/01/2005 ⁽¹⁾	03/02/2014	Common Stock	15,000	\$ 12.89	D	Â
Option to Buy - Option Plan	10/03/2007 ⁽²⁾	10/04/2016	Common Stock	3,300	\$ 8.5	D	Â
Option to Buy - Option Plan	10/03/2007 ⁽³⁾	10/04/2016	Common Stock	6,600	\$ 8.5	D	Â
Option to Buy - Option Plan	10/02/2008 ⁽⁴⁾	10/03/2017	Common Stock	4,282	\$ 8.74	D	Â
Option to Buy - Option Plan	10/02/2008 ⁽⁵⁾	10/03/2017	Common Stock	6,243	\$ 8.74	D	Â
Option to Buy - Option Plan	10/08/2011 ⁽⁶⁾	10/09/2018	Common Stock	10,000	\$ 3.55	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Anderson David Joseph 1005 VIRGINIA DRIVE FORT WASHINGTON, PA 19034	Â	Â	Â VP, General Counsel	Â

Signatures

/s/ Susan L. Waters, Attorney-in-Fact for David J. Anderson

12/15/2010

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(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) 15,000 options currently exercisable.
- (2) 3,300 options currently exercisable.
- (3) 6,600 options currently exercisable.
- (4) 4,282 options currently exercisable.
- (5) 6,243 options currently exercisable.
- (6) 10,000 options become exercisable on 10/8/2011.

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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