

Shulman Yakov (Jacob)
 Form 3
 September 10, 2012

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 Shulman Yakov (Jacob)
 (Last) (First) (Middle)

C/O MELLANOX
 TECHNOLOGIES, INC., Â 350
 OAKMEAD PARKWAY,
 SUITE 100

(Street)

SUNNYVALE, Â CA Â 94085

(City) (State) (Zip)

2. Date of Event Requiring Statement

(Month/Day/Year)
 09/06/2012

3. Issuer Name and Ticker or Trading Symbol
 Mellanox Technologies, Ltd. [MLNX]

4. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer Other
 (give title below) (specify below)
 V.P. of Finance

5. 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

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)

Ordinary Shares

2. Amount of Securities Beneficially Owned (Instr. 4)

20,743 ⁽¹⁾

3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)

D Â

4. Nature of Indirect Beneficial Ownership (Instr. 5)

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

4. Conversion or Exercise

5. Ownership Form of

6. Nature of Indirect Beneficial Ownership (Instr. 5)

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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	
Stock Option (Right to Buy)	Â (2)	12/25/2018	Ordinary Shares	2,579	\$ 8.23	D	Â
Stock Option (Right to Buy)	Â (3)	04/21/2019	Ordinary Shares	8,590	\$ 10.23	D	Â
Stock Option (Right to Buy)	Â (3)	04/21/2019	Ordinary Shares	4,000	\$ 10.23	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Shulman Yakov (Jacob) C/O MELLANOX TECHNOLOGIES, INC. 350 OAKMEAD PARKWAY, SUITE 100 SUNNYVALE, CA 94085	Â	Â	Â V.P. of Finance	Â

Signatures

/s/ Yakov (Jacob) Shulman by Matthew Gloss, Power of Attorney 09/10/2012

__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) Includes 11,221 unvested Restricted Share Units ("RSU's"). The Reporting Person is entitled to receive one (1) Ordinary Share for each one (1) RSU upon vesting.

(2) One-quarter (1/4) of the 5,560 shares subject to the option vested on 12/26/2009 and the remainder of the shares subject to this option vest at a rate of 1/48th monthly thereafter, such that 100% of the shares subject to the option will be fully vested and exercisable on 12/26/2012.

(3) 100% of the shares subject to this option are fully vested and exercisable.

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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