

CRANSTON MARY B  
Form 3  
January 24, 2018

**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)

<p>1. Name and Address of Reporting Person *</p> <p>Â CRANSTON MARY B</p> <p>(Last) (First) (Middle)</p> <p>2957 PACIFIC AVENUE</p> <p>(Street)</p> <p>SAN FRANCISCO,Â CAÂ 94115</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>01/17/2018</p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p>Mellanox Technologies, Ltd. [MLNX]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p>___ Director ___X___ 10% Owner ___ Officer ___X___ Other (give title below) (specify below) See Explanation of Responses</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p>	<p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p>__X__ Form filed by One Reporting Person ___ Form filed by More than One Reporting Person</p>
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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)
Ordinary Shares, nominal value NIS 0.0175 per share <sup>(1)</sup>	0	D	Â

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

SEC 1473 (7-02)

**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.**

**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)  Title	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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Date	Expiration	Amount or	or Indirect
Exercisable	Date	Number of	(I)
		Shares	(Instr. 5)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CRANSTON MARY B 2957 PACIFIC AVENUE SAN FRANCISCO, CA 94115	^	^ X	^	See Explanation of Responses

## Signatures

Mary B. Cranston; By: /s/ Jeffrey C. Smith, Attorney in Fact 01/24/2018

\*\*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) The Reporting Person may be deemed to be a member of a Section 13(d) group that beneficially owns in the aggregate more than 10% of the Issuer's outstanding Ordinary Shares. The Reporting Person disclaims beneficial ownership of such Ordinary Shares except to the extent of her pecuniary interest therein, and this report shall not be deemed to be an admission that the Reporting Person is the beneficial owner of such Ordinary Shares for purposes of Section 16 or for any other purpose.

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.