

Rubinstein Linda M  
Form 4  
December 15, 2006

**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 \*  
Rubinstein Linda M

2. Issuer Name and Ticker or Trading Symbol  
Solexa, Inc. [SLXA]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
25861 INDUSTRIAL BLVD.

3. Date of Earliest Transaction (Month/Day/Year)  
12/13/2006

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)

VP & Chief Financial Officer

(Street)

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

HAYWARD, CA 94545

(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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(D)	Price
Common Stock	12/13/2006		M		50,000	A	\$ 6.11
Common Stock	12/13/2006		S		50,000	D	\$ 12.6618
Common Stock	12/13/2006		M		7,812	A	\$ 5.97
Common Stock	12/13/2006		S		7,812	D	\$ 12.6618
Common Stock	12/13/2006		M		6,067	A	\$ 8.6

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Common Stock	12/13/2006	S	6,067	D	\$ 12.6618	0	D
Common Stock	12/13/2006	M	7,812	A	\$ 5.97	7,812	D
Common Stock	12/13/2006	S	7,812	D	\$ 12.6618	0	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. 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 Security (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Am or Nur of S
Non-Qualified Stock Option (right to buy)	\$ 5.97	12/13/2006		M	7,812	10/06/2005 09/06/2015	Common Stock	7,	
Non-Qualified Stock Option (right to buy)	\$ 5.97	12/13/2006		M	7,812	10/06/2005 09/06/2015	Common Stock	7,	
Non-Qualified Stock Option (right to buy)	\$ 6.11	12/13/2006		M	50,000	03/22/2006 06/03/2015	Common Stock	50	
Non-Qualified Stock Option (right to buy)	\$ 8.6	12/13/2006		M	6,067	03/02/2006 02/02/2016	Common Stock	6,	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Rubinstein Linda M 25861 INDUSTRIAL BLVD.			VP & Chief Financial Officer	

HAYWARD, CA 94545

## Signatures

Linda M.

Rubinstein

12/13/2006

\_\_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).

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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