

Solexa, Inc.  
Form 4  
December 18, 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

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

HAYWARD, CA 94545

(City) (State) (Zip)

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

3. Date of Earliest Transaction  
(Month/Day/Year)  
12/14/2006

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
VP & Chief Financial Officer

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 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 Ownership (Instr. 4)
			Code	V	Amount (A) or (D) Price		
Common Stock	12/14/2006		M		9,558 A \$ 8.6	D	
Common Stock	12/14/2006		S		9,558 D \$ 12.65	D	
Common Stock	12/15/2006		M		4,000 A \$ 6.11	D	
Common Stock	12/15/2006		S		4,000 D \$ 12.78	D	
Common Stock	12/15/2006		M		4,750 A \$ 6.11	D	

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Common Stock      12/15/2006      S      4,750      D      \$ 12.78      0      D

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

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(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)	8. Amount or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 6.11	12/15/2006		M	4,000	04/22/2005 06/03/2015	Common Stock	4,000
Non-Qualified Stock Option (right to buy)	\$ 6.11	12/15/2006		M	4,750	04/22/2005 06/03/2015	Common Stock	4,750
Non-Qualified Stock Option (right to buy)	\$ 8.6	12/14/2006		M	9,558	03/02/2006 02/02/2016	Common Stock	9,558

## Reporting Owners

Reporting Owner Name / Address	Relationships
Rubinstein Linda M 25861 INDUSTRIAL BLVD. HAYWARD, CA 94545	Director    10% Owner    Officer    Other  VP & Chief Financial Officer

## Signatures

By: Kathy San Roman For: Linda M. Rubinstein      12/18/2006

\_\_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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