

Solexa, Inc.
Form 4/A
February 01, 2007

FORM 4

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

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

OMB APPROVAL

OMB
Number: 3235-0287
Expires: January 31,
2005
Estimated average
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Lundberg Peter

(Last) (First) (Middle)

C/O SOLEXA, INC., 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)
01/26/2007

4. If Amendment, Date Original
Filed(Month/Day/Year)
01/30/2007

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
__X__ Officer (give title below) ____ Other (specify
below)

VP and Chief Technical Officer

6. Individual or Joint/Group Filing(Check
Applicable Line)
__X__ 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(D)	Price

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

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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	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. D
								S

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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)						
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 6.11	01/26/2007								
			D		32,500		<u>(1)</u>	06/03/2015	Common Stock	32,500
Stock Option (Right to Buy)	\$ 5.97	01/26/2007								
			D		27,500		<u>(2)</u>	09/06/2015	Common Stock	27,500
Stock Option (Right to Buy)	\$ 8.6	01/26/2007								
			D		23,750		<u>(3)</u>	02/02/2016	Common Stock	23,750

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Lundberg Peter C/O SOLEXA, INC. 25861 INDUSTRIAL BLVD. HAYWARD, CA 94545	VP and Chief Technical Officer

Signatures

/s/ Peter Lundberg, by Kathy San Roman,
attorney-in-fact

02/01/2007

__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).

This option, which provided for vesting of 20% on the one year anniversary of March 10, 2005 and monthly thereafter over 48 months,
(1) was assumed by Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 11,180 shares at an exercise price of \$17.76 per share.

This option, which provided for vesting monthly and ratably over the 48 month period beginning on September 6, 2005, was assumed by
(2) Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 9,460 shares at an exercise price of \$17.35 per share.

This option, which provided for vesting monthly and ratably over the 48 month period beginning on February 2, 2006, was assumed by
(3) Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 8,170 shares at an exercise price of \$25.00 per share.

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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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