Solexa, Inc. Form 4 January 30, 2007

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

(Print or Type Responses)

(Last)

1.Title of

Security

(Instr. 3)

1. Name and Address of Reporting Person * WHITTERS JOSEPH E

(First) (Middle)

C/O SOLEXA, INC., 25861 INDUSTRIAL BLVD.

HAYWARD, CA 94545

(Street)

(Month/Day/Year)

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)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Beneficially

Owned

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

2. Transaction Date 2A. Deemed Execution Date, if Code

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

Following Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

5. Amount of 7. Nature of 6. Ownership Securities Form: Direct Indirect

(D) or Indirect Beneficial (I) Ownership (Instr. 4) (Instr. 4)

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

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of **Transaction**Derivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of 8 **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)		7 7				
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 9.06	01/26/2007		D		20,000	<u>(1)</u>	10/03/2016	Common Stock	20,000
Stock Option (Right to Buy)	\$ 9.06	01/26/2007		D		1,836	(2)	10/03/2016	Common Stock	1,836

Reporting Owners

Reporting Owner Name / Address	Keiauonsnips						
	Director	10% Owner	Officer	Other			
WHITTERS JOSEPH E							
C/O SOLEXA, INC.	v						

C/O SOLEXA, INC. 25861 INDUSTRIAL BLVD. HAYWARD, CA 94545

Signatures

/s/ Joseph E. Whitters, by Kathy San Roman, attorney-in-fact

01/29/2007

**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 monthly and ratably over the 12 month period beginning on July 28, 2006, was assumed by

 (1) Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 6,880 shares at an exercise price of \$26.34 per share.
- This option, which provided for vesting monthly and ratably over the 12 month period beginning on October 4, 2006, was assumed by (2) Illumina, Inc. in connection with the merger with Solexa, Inc. and replaced with an option to purchase 631 shares at an exercise price of \$26.34 per share.

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.

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