

COGNEX CORP
Form 4
January 31, 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
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(Print or Type Responses)

1. Name and Address of Reporting Person *
HOFFMASTER JAMES

(Last) (First) (Middle)

**COGNEX CORPORATION, ONE
VISION DRIVE**

(Street)

NATICK, MA 01760

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading
Symbol
COGNEX CORP [CGNX]

3. Date of Earliest Transaction
(Month/Day/Year)
01/29/2007

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

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

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

President and COO

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 Underlying Security (Instr. 3 and 4)
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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	Am or Num of S	
Non-Qualified Stock Option (right to buy)	\$ 21.195						01/01/2004	04/02/2013	Common Stock	18	
Non-Qualified Stock Option (right to buy)	\$ 21.66	01/29/2007	A		49,500		01/29/2008	01/29/2017	Common Stock	49	
Non-Qualified Stock Option (right to buy)	\$ 21.74						01/01/2003	02/11/2012	Common Stock	4	
Non-Qualified Stock Option (right to buy)	\$ 24.66						06/25/2002	06/25/2011	Common Stock	95	
Non-Qualified Stock Option (right to buy)	\$ 24.66						06/25/2006	06/25/2016	Common Stock	53	
Non-Qualified Stock Option (right to buy)	\$ 25.02						01/01/2006	01/10/2015	Common Stock	48	
Non-Qualified Stock Option (right to buy)	\$ 29.38						01/01/2007	01/30/2016	Common Stock	55	
Non-Qualified Stock Option (right to buy)	\$ 31.94						01/01/2005	02/25/2014	Common Stock	41	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HOFFMASTER JAMES COGNEX CORPORATION ONE VISION DRIVE NATICK, MA 01760			President and COO	

Signatures

/s/ James F.
Hoffmaster

01/31/2006

__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).
- (1) Since the date of the reporting person's last ownership report, he transferred stock options to purchase 172,928 shares of CGNX common stock to his ex-wife pursuant to a domestic relations order.

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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