

Testa Justin  
Form 3/A  
March 12, 2009

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Testa Justin		(Month/Day/Year)	COGNEX CORP [CGNX]	
(Last)	(First)	04/30/2008		
COGNEX CORPORATION,Â ONE VISION DRIVE		4. Relationship of Reporting Person(s) to Issuer		5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)		(Check all applicable)		04/30/2008
NATICK,Â MAÂ 01760		<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below)    (specify below)		6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	223	D	Â

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

SEC 1473 (7-02)

**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.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Non-Qualified Stock Option (right to buy)	04/05/1999	12/14/2008	Common Stock	60,000	\$ 7.5	D	Â
Non-Qualified Stock Option (right to buy)	04/27/2002	12/21/2010	Common Stock	22,500	\$ 18.125	D	Â
Non-Qualified Stock Option (right to buy)	02/19/2009	02/19/2018	Common Stock	47,500	\$ 18.7	D	Â
Non-Qualified Stock Option (right to buy)	01/01/2004	02/04/2013	Common Stock	30,000	\$ 21.195	D	Â
Non-Qualified Stock Option (right to buy)	01/29/2008	01/29/2017	Common Stock	25,000	\$ 21.66	D	Â
Non-Qualified Stock Option (right to buy)	01/01/2003	02/11/2012	Common Stock	22,500	\$ 21.74	D	Â
Non-Qualified Stock Option (right to buy)	01/01/2006	01/10/2015	Common Stock	30,000	\$ 25.02	D	Â
Non-Qualified Stock Option (right to buy)	01/01/2005	01/05/2014	Common Stock	30,000	\$ 28.67	D	Â
Non-Qualified Stock Option (right to buy)	01/01/2007	01/30/2016	Common Stock	27,500	\$ 29.38	D	Â
Non-Qualified Stock Option (right to buy)	04/27/2002	12/14/2009	Common Stock	54,000	\$ 30.813	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Testa Justin COGNEX CORPORATION ONE VISION DRIVE NATICK, MA 01760	Â	Â	Â EVP, MVSD	Â

## Signatures

Justin Testa 04/30/2008

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, see Instruction 5(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.

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.