

COGNEX CORP
Reported by
MILLER JEFFREY BENJAMIN

FORM 4
(Statement of Changes in Beneficial Ownership)

Filed 11/07/17 for the Period Ending 11/06/17

Address ONE VISION DR
NATICK, MA, 01760
Telephone 5086503000
CIK 0000851205
Symbol CGNX
SIC Code 3823 - Industrial Instruments for Measurement, Display, and Control of Process Variables and Related Products
Industry Industrial Machinery & Equipment
Sector Industrials
Fiscal Year 12/31

FORM 4

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

OMB APPROVAL
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or
Section 30(h) of the Investment Company Act of 1940

| | | |
|--|---|---|
| 1. Name and Address of Reporting Person -* miller jeffrey benjamin (Last) (First) (Middle) ONE VISION DRIVE (Street) NATICK, MA 01760 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol COGNEX CORP [CGNX] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director _____ 10% Owner _____ Officer (give title below) _____ Other (specify below) |
| 3. Date of Earliest Transaction (MM/DD/YYYY) <p align="center">11/6/2017</p> | | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person |
| 4. If Amendment, Date Original Filed (MM/DD/YYYY) | | |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Trans. Date | 2A. Deemed Execution Date, if any | 3. Trans. 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 | (A) or (D) | Price | | | |
| Common Stock | 11/6/2017 | | M | | 3750 | A | \$16.795 | 3750 | D | |
| Common Stock | 11/6/2017 | | S | | 3750 | D | \$134.4825 | 0 | D | |

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

| 1. Title of Derivate Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Trans. Date | 3A. Deemed Execution Date, if any | 4. Trans. 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 | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---|--|----------------|-----------------------------------|---------------------------|---|--|-----|---|-----------------|---|----------------------------|--|--|--|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Non-Qualified Stock Option (right to buy) | \$16.795 | 11/6/2017 | | M | | 3750 | | 2/13/2013 | 11/2/2021 | Common Stock | 3750 | \$0.0 | 3750 | D | |
| Non-Qualified Stock Option (right to buy) | \$21.055 | | | | | | | 2/13/2014 | 2/13/2023 | Common Stock | 15000 | | 15000 | D | |
| Non-Qualified Stock Option (right to buy) | \$33.44 | | | | | | | 2/12/2017 | 2/12/2026 | Common Stock | 13000 | | 13000 | D | |
| Non-Qualified Stock Option (right to buy) | \$39.31 | | | | | | | 2/18/2015 | 2/18/2024 | Common Stock | 13000 | | 13000 | D | |
| Non-Qualified Stock Option (right to buy) | \$41.25 | | | | | | | 2/17/2016 | 2/17/2025 | Common Stock | 13000 | | 13000 | D | |
| Non-Qualified Stock Option (right to buy) | \$76.78 | | | | | | | 2/21/2018 | 2/21/2027 | Common Stock | 13000 | | 13000 | D | |

Explanation of Responses:

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| miller jeffrey benjamin ONE VISION DRIVE NATICK, MA 01760 | X | | | |

Signatures

Jeffrey B. Miller

11/7/2017

—Signature of Reporting Person

Date

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

* 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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