

COGNEX CORP
Form DEF 14A
March 10, 2010

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SCHEDULE 14A
(Rule 14a-101)
INFORMATION REQUIRED IN PROXY STATEMENT
SCHEDULE 14A INFORMATION
Proxy Statement Pursuant to Section 14(a) of the Securities
Exchange Act of 1934 (Amendment No.)

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material Pursuant to §240.14a-11(c) or §240.14a-12
- Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))

COGNEX CORPORATION

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

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COGNEX CORPORATION

**NOTICE OF SPECIAL MEETING IN LIEU OF
THE 2010 ANNUAL MEETING OF SHAREHOLDERS
To Be Held on April 22, 2010**

To the Shareholders:

A Special Meeting of the Shareholders of COGNEX CORPORATION in lieu of the 2010 Annual Meeting of Shareholders will be held on Thursday, April 22, 2010, at 10:00 a.m., local time, at the offices of Goodwin Procter LLP, Exchange Place, 53 State Street, Boston, Massachusetts, for the following purposes:

1. To elect two Directors, each to serve for a term of three years, all as more fully described in the proxy statement for the meeting.
2. To consider and act upon any other business which may properly come before the meeting or any adjournment or postponement thereof.

The Board of Directors has fixed the close of business on February 26, 2010 as the record date for the meeting. All shareholders of record on that date are entitled to receive notice of and to vote at the meeting.

The proposal for the election of Directors relates solely to the election of two Directors nominated by the Board of Directors and does not include any other matters relating to the election of Directors, including, without limitation, the election of Directors nominated by any shareholder of Cognex Corporation.

YOUR VOTE IS IMPORTANT. WHETHER OR NOT YOU PLAN TO ATTEND THE MEETING, PLEASE VOTE YOUR SHARES BY TELEPHONE, VIA THE INTERNET, OR BY COMPLETING AND RETURNING A PROXY CARD. IF YOU ATTEND THE MEETING, YOU MAY CONTINUE TO HAVE YOUR SHARES VOTED AS INSTRUCTED IN THE PROXY OR YOU MAY WITHDRAW YOUR PROXY AT THE MEETING AND VOTE YOUR SHARES IN PERSON.

By Order of the Board of Directors

Anthony J. Medaglia, Jr., *Secretary*

Natick, Massachusetts
March 10, 2010

Important

Please note that due to security procedures, you will be required to show a form of picture identification to gain access to the offices of Goodwin Procter LLP. Please contact the Cognex Department of Investor Relations at (508) 650-3000 if you plan to attend the meeting.

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PROXY STATEMENT

This proxy statement is being furnished to you in connection with the solicitation of proxies by the Board of Directors of Cognex Corporation for use at the Special Meeting in lieu of the 2010 Annual Meeting of Shareholders to be held on Thursday, April 22, 2010, at 10:00 a.m., local time, at the offices of Goodwin Procter LLP, Exchange Place, 53 State Street, Boston, Massachusetts, and at any adjournments or postponements of that meeting. This proxy statement is first being made available to our shareholders on or about March 10, 2010.

Cognex's principal executive offices are located at One Vision Drive, Natick, Massachusetts 01760, and our telephone number is (508) 650-3000.

VOTING PROCEDURES

Voting and Quorum

The holders of a majority in interest of our common stock outstanding on the record date for the meeting are required to be present in person or be represented by proxy at the meeting in order to constitute a quorum for the transaction of business. The election of a nominee for Director will be decided by a plurality of the votes cast. Votes may be cast for or withheld from each nominee. We count both abstentions and broker non-votes as present for the purpose of determining the existence of a quorum for the transaction of business. However, for the purpose of determining the number of shares voting on a particular proposal, we do not count abstentions and broker non-votes as votes cast or shares voting. A broker non-vote refers to shares held by a broker or nominee that does not have the authority, either express or discretionary, to vote on a particular matter.

Record Date and Voting Securities

Only shareholders of record at the close of business on February 26, 2010 are entitled to receive notice of and to vote at the meeting. We refer to this date as the record date for the meeting. As of the close of business on the record date, there were 39,666,709 shares of our common stock outstanding and entitled to vote. Each outstanding share of our common stock entitles the record holder to one vote.

Proxies

Our Board of Directors requests that you submit the proxy card accompanying this proxy statement for use at the meeting. Please complete, date, sign and submit the proxy card as instructed. In addition, you may vote your shares by telephone or via the Internet by following the instructions included on the proxy card. The Internet and telephone voting facilities for shareholders of record will close at 11:59 p.m., Eastern Time, on April 21, 2010.

Our Board recommends an affirmative vote on all proposals specified in the notice for the meeting. Proxies will be voted as specified. If your proxy is properly submitted, it will be voted in the manner that you direct. **If you do not specify instructions with respect to any particular matter to be acted upon at the meeting, proxies will be voted in favor of the Board of Directors' recommendations.**

You may revoke your proxy at any time before your proxy is voted at the meeting by:

giving written notice of revocation of your proxy to the Secretary of Cognex;

completing and submitting a new proxy card relating to the same shares and bearing a later date;

properly casting a new vote through the Internet or by telephone at any time before the closure of the Internet or telephone voting facilities; or

attending the meeting and voting in person, although attendance at the meeting will not, by itself, revoke a proxy.

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PROPOSAL 1: ELECTION OF DIRECTORS

Our Board of Directors currently consists of seven Directors and is divided into three classes, with one class being elected each year for a term of three years. We are proposing that Robert J. Shillman and Anthony Sun be elected to serve terms of three years and in each case until their successors are duly elected and qualified or until they sooner die, resign or are removed. Edward J. Smith, whose term expires at the annual meeting, has not been nominated by the Board of Directors for re-election. Dr. Shillman, who is currently serving a term as Director ending in 2012, previously indicated his desire to stand for re-election by the shareholders generally on an annual basis. As such, he is included in the class of Directors being nominated for re-election at the meeting and, if elected, will fill Mr. Smith's seat.

Recommendation

OUR BOARD OF DIRECTORS RECOMMENDS A VOTE FOR THE ELECTION OF ROBERT J. SHILLMAN AND ANTHONY SUN.

The persons named in the accompanying proxy will vote, unless authority is withheld, FOR the election of the nominees named above. Our Board of Directors anticipates that each of the nominees, if elected, will serve as a Director. If any nominee is unable to accept election, the persons named in the accompanying proxy will vote for such substitute as our Board of Directors may recommend. Should our Board not recommend a substitute for any nominee, then the proxy will be voted for the election of the remaining nominees. There are no family relationships between any Director and executive officer of Cognex or its subsidiaries.

Information Regarding Directors

Set forth below is certain information furnished to us by the Director nominees and by each of the incumbent Directors whose terms will continue after the meeting. The biographical description below for each Director includes his age, all positions he holds with Cognex, his principal occupation and business experience over the past five years, and the names of other publicly-held companies for which he currently serves as a director or has served as a director during the past five years. The biographical description below for each Director also includes the specific experience, qualifications, attributes and skills that led to the conclusion by the Board of Directors that such person should serve as a director of Cognex. In addition to such specific information, we also believe that all of our directors have a reputation for integrity, honesty and adherence to high ethical standards. In addition, they have each demonstrated business acumen and an ability to exercise sound judgment as well as a commitment of service to Cognex and our Board.

Our Board of Directors has determined that all of the Director nominees and incumbent Directors listed below are independent as such term is defined in the applicable listing standards of The NASDAQ Stock Market LLC (Nasdaq), except for Dr. Shillman, who is our Chief Executive Officer, and Mr. Alias, who is a non-executive employee of Cognex. See Certain Relationships and Related Transactions for further information regarding the independence determination by the Board.

The positions of Chairman of the Board and Chief Executive Officer are currently occupied by one individual, Dr. Shillman. Our Board of Directors believes that this leadership structure has served our company well in the past and continues to serve it well at present, as Dr. Shillman's nearly three decades of experience in the machine vision industry and his significant ownership interest in Cognex uniquely qualify him to serve as both Chairman and Chief Executive Officer. In his combined role, Dr. Shillman sets the strategic direction for our company and provides

day-to-day leadership, and he also sets the agenda for Board meetings and presides over all meetings of the full Board. This promotes unified leadership and direction for the Board and management that, together with having a Lead Independent Director as described below, assists the Board in the administration of its risk oversight responsibilities discussed in this proxy statement.

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Because the Chairman and Chief Executive Officer positions are currently occupied by Dr. Shillman, our Board has appointed Jerald G. Fishman to serve in the role of Lead Independent Director. As Lead Independent Director, Mr. Fishman presides at all meetings of our Board of Directors at which the Chairman is not present, and he chairs the executive sessions of independent Directors, who regularly meet in executive sessions at which only independent Directors are present. Mr. Fishman may also provide input regarding meeting agendas and bear such further responsibilities as our Board may designate from time to time.

Nominated for a term ending in 2013:

Robert J. Shillman, 63, the founder of Cognex, has served as Chairman of the Board of Directors and Chief Executive Officer of Cognex since 1981. During the past five years, Dr. Shillman has not served as a member of the Board of Directors of another public company or registered investment company. We believe Dr. Shillman's qualifications to sit on our Board of Directors include his three decades of experience in the machine vision industry, and his executive leadership experience from serving as our Chairman and Chief Executive Officer during all of those years.

Anthony Sun, 57, has been a director since 1982. Mr. Sun was a general partner since 1980, and a managing general partner since 1997, of Venrock Associates, a venture capital partnership, until his retirement in December 2009. Mr. Sun also serves as a member of the Board of Directors of several private companies. During the past five years, he served as a member of the Board of Directors of Phoenix Technologies Ltd. We believe Mr. Sun's qualifications to sit on our Board of Directors include his executive experience, his expertise in the high-technology industry, and the deep understanding of our company that he has acquired over twenty-seven years of service on our Board.

Serving a term ending in 2012:

Patrick A. Alias, 64, has served as a director since 2001. Mr. Alias has served as Senior Vice President of Cognex since April 2005, and previously was Executive Vice President from 1991 through April 2005. Prior to joining Cognex, Mr. Alias spent over 20 years in various high technology management positions in Europe, Japan and the United States. He holds Master's Degrees in Electronics, Mathematics, and Economics from IEP in Europe, and is a graduate of the Advanced Management Program of the Harvard Business School. During the past five years, Mr. Alias has not served as a member of the Board of Directors of another public company or registered investment company. We believe Mr. Alias's qualifications to sit on our Board of Directors include his four decades of experience working with high-technology companies, including nearly fifteen years as our company's Executive Vice President of Worldwide Sales and Marketing, as well as his extensive management experience.

Reuben Wasserman, 80, has served as a director since 1990. Mr. Wasserman has been an independent business consultant serving high technology corporations and venture capital firms, and has served on numerous boards, since 1985. Prior to 1985, he was Vice President of Strategic Planning for Gould Electronics, Inc. Mr. Wasserman also serves as a member of the Board of Overseers of Lahey Clinic, and on the Advisory Board of the Threshold Program at Lesley University. During the past five years, Mr. Wasserman served as a member of the Board of Directors of AMR, Inc. We believe Mr. Wasserman's qualifications to sit on our Board of Directors include his years of experience providing strategic advisory services.

Serving a term ending in 2011:

Jerald G. Fishman, 64, has served as a director since 1998. Mr. Fishman has held various management positions at Analog Devices, Inc. since 1971, and has been the President and Chief Executive Officer of Analog Devices, Inc. since 1996. Mr. Fishman currently serves, and has served for the past five years, as a member of the Boards of Directors of Analog Devices, Inc. and Xilinx, Inc. We believe Mr. Fishman's qualifications to sit on our Board of Directors include his four decades of experience in the high-technology and semiconductor industries, including his

nineteen years of experience as President of a semiconductor company.

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Theodor Krantz, 67, has served as a director since 2007. Mr. Krantz has been President of Airmar Technology Inc. since 1999. From 1984 to 1999, he served as President, and later Chief Executive Officer, of Velcro Industries. Mr. Krantz also serves, and has served for the past five years, as a member of the Board of Directors and Audit Committees of Hitchiner Manufacturing Company and Control Air, Inc. Mr. Krantz holds a B.A. from Princeton University, and an M.B.A. from Harvard Business School. We believe Mr. Krantz's qualifications to sit on our Board of Directors include his extensive executive leadership experience and his accounting and financial management expertise.

Director Attendance

During 2009, there were nine meetings of our Board of Directors. All of the Directors attended at least 75% of the aggregate of the total number of meetings of our Board of Directors held in 2009, and the total number of meetings held by committees of the Board on which they served during 2009. Our Directors are strongly encouraged to attend the annual meeting of shareholders or the special meeting in lieu of the annual meeting; however, we do not have a formal policy with respect to attendance at that meeting. All of our Directors attended the Special Meeting in lieu of the 2009 Annual Meeting of Shareholders held on April 23, 2009.

Compensation of Directors

The following table sets forth the compensation earned by or awarded to each Director who served on our Board of Directors in 2009, other than Dr. Shillman. Details of Dr. Shillman's compensation are set forth under the heading Executive Compensation Summary Compensation Table.

Director Compensation Table 2009

Name	Fees Earned or Paid in	Option Awards	All Other	Total
	Cash	(1)(2)	Compensation (3)	Compensation
Patrick A. Alias	\$ 0	\$ 0	\$ 166,035	\$ 166,035
Jerald G. Fishman	\$ 33,150	\$ 0	\$ 54,075	\$ 87,225
Theodor Krantz	\$ 41,500	\$ 0	\$ 0	\$ 41,500
Edward J. Smith	\$ 36,100	\$ 0	\$ 37,200	\$ 73,300
Anthony Sun	\$ 29,300	\$ 0	\$ 80,675	\$ 109,975
Reuben Wasserman	\$ 34,450	\$ 0	\$ 80,675	\$ 115,125

(1) In 2009, none of the Directors (including Dr. Shillman) were granted options to purchase shares of our common stock.

(2) Each Director other than Dr. Shillman had the following unexercised options outstanding at December 31, 2009: Mr. Alias, options to purchase 63,150 shares; Mr. Fishman, options to purchase 31,750 shares; Mr. Krantz, options to purchase 34,250 shares; Mr. Smith, options to purchase 14,250 shares; Mr. Sun, options to purchase 31,750 shares; and Mr. Wasserman, options to purchase 31,750 shares. No stock option grants to the Directors listed above were forfeited in 2009.

(3)

Amounts listed in this column include payments made by Cognex for stock options tendered and accepted in our tender offer to repurchase certain underwater stock options completed on December 15, 2009 as follows: Mr. Alias tendered options to purchase an aggregate of 33,533 shares at a weighted average exercise price of \$28.57; Mr. Fishman tendered options to purchase an aggregate of 28,500 shares at a weighted average exercise price of \$28.11; Mr. Smith tendered options to purchase an aggregate of 20,000 shares at a weighted average exercise price of \$23.22; Mr. Sun tendered options to purchase an aggregate of 32,500 shares at a weighted average exercise price of \$27.80; and Mr. Wasserman tendered options to purchase an aggregate of 32,500 shares at a weighted average exercise price of \$27.80. Amounts also include salary of \$90,346 which was earned by Mr. Alias during 2009 in his capacity as a non-executive employee of Cognex.

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Cognex paid each Director (other than Dr. Shillman and Mr. Alias) an annual fee for his services on our Board of Directors and its committees, plus additional amounts for each meeting attended in person or via telephone. The amounts paid on or after April 23, 2009 were reduced by 10% as part of our cost-cutting efforts. As a result, each Director received cash compensation in the amount of \$6,750 for 2009, plus an additional \$4,500 for each meeting attended in person before April 23, 2009 and \$4,050 for each meeting attended in person on or after April 23, 2009. Each Director received \$500 for each meeting attended via telephone before April 23, 2009 and \$450 for each meeting attended via telephone on or after April 23, 2009. Each Director who served on the Compensation/Stock Option Committee of our Board of Directors in 2009 received an annual fee of \$2,000, plus \$500 for each meeting attended before April 23, 2009 and \$450 for each meeting attended on or after April 23, 2009 if the meeting was on a day other than that of a Board meeting. Each Director who served on the Audit Committee of our Board of Directors in 2009 received an annual fee of \$4,500. The Chairman of the Audit Committee received an additional fee of \$3,000 for the year. Each Audit Committee member received an additional \$500 for each telephonic meeting attended to discuss our financial results and related topics if the meeting was before April 23, 2009 and \$450 if the telephonic meeting was on or after April 23, 2009. And, each Director who served on the Nominating and Corporate Governance Committee received an annual fee of \$500.

Dr. Shillman, who is our Chief Executive Officer, and Mr. Alias, who is a non-executive employee of Cognex, received no additional cash compensation in 2009 to serve on our Board of Directors. None of the Directors (including Dr. Shillman and Mr. Alias) were granted options in 2009 to purchase shares of our common stock. In 2008, each Director (other than Dr. Shillman) was granted an option to purchase 6,750 shares, which represented the Directors annual option grant for 2009. Each option vests in four equal annual installments commencing on February 19, 2010 (i.e., two years after the date of grant). The 2009 annual option grants were made to the Directors in 2008 with these extended vesting periods to utilize shares available for grant under our 1998 Stock Incentive Plan, which was due to expire in February 2008. The exercise price for the option grants was \$18.70, which was the closing price of our common stock as reported by Nasdaq on the date of grant.

On December 15, 2009, we completed an offer to purchase from eligible employees, including our named executive officers and Directors, certain underwater stock options (meaning the stock option exercise price exceeded the market price of Cognex common stock) for a cash payment. The eligible options included those options with an exercise price equal to or greater than \$23.00 per share, which represented a 29% increase over the 52-week high sale price of our common stock preceding the start of the offer. Pursuant to this offer, the following payments were made to each Director for stock options tendered and accepted by Cognex: Mr. Alias, \$75,689; Mr. Fishman, \$54,075; Mr. Smith, \$37,200; Mr. Sun, \$80,675; and Mr. Wasserman, \$80,675 (the payment received by Dr. Shillman is set forth under the heading Compensation Discussion and Analysis Cash Tender Offer for Certain Underwater Stock Options and included in the Summary Compensation Table).

Certain Legal Proceedings

In May 2008, Mr. Fishman and Analog Devices, Inc. (Mr. Fishman is the President and Chief Executive Officer of Analog Devices) settled an inquiry by the Securities and Exchange Commission (SEC) into Analog Devices stock option granting practices by agreeing to the entry of an administrative cease and desist order without admitting or denying wrongdoing. Under the order, Mr. Fishman agreed to cease and desist from committing or causing any violations of Sections 17(a)(2) and (3) of the Securities Act of 1933, paid a civil money penalty, and made a disgorgement payment with respect to certain stock options received in prior years.

Communications to Directors

Shareholders who wish to communicate with our Board of Directors or with a particular Director may send a letter to the Secretary of Cognex Corporation at One Vision Drive, Natick, Massachusetts 01760. The mailing envelope should contain a clear notation indicating that the enclosed letter is a Shareholder-Board

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Communication or Shareholder-Director Communication. The letter should clearly state whether the intended recipients are all members of our Board or certain specified individual Directors. The Secretary will make copies of all such letters and circulate them to the appropriate Director or Directors.

The Board's Role in Risk Oversight

The role of our Board of Directors in our company's risk oversight process includes receiving regular reports from management on areas of material risk to our company, including operational, financial, legal and regulatory, and strategic and reputational risks. The full Board (or the appropriate Committee in the case of risks that are under the purview of a particular Committee) receives these reports from the appropriate risk owner within our company so that it can understand our risk identification, risk management and risk mitigation strategies. When a Committee receives the report, the Chairman of the relevant Committee reports on the discussion to the full Board. This enables the Board and its Committees to coordinate the risk oversight role. Our Board of Directors also administers its risk oversight function through the required approval by the Board (or a committee of the Board) of significant transactions and other material decisions, and regular periodic reports from our company's independent registered public accounting firm and other outside consultants regarding various areas of potential risk, including, among others, those relating to our internal controls and financial reporting. As part of its charter, the Audit Committee discusses with management and our independent registered public accounting firm significant risks and exposures and the steps management has taken to minimize those risks.

COMMITTEES OF THE BOARD OF DIRECTORS

Compensation/Stock Option Committee

Our Board of Directors has a Compensation/Stock Option Committee whose members are Jerald G. Fishman, Theodor Krantz, and Reuben Wasserman, Chairman. Each member of the Compensation/Stock Option Committee is independent as such term is defined in the applicable listing standards of Nasdaq. The Compensation/Stock Option Committee has a written charter, which is available on our website at www.cognex.com under Company Information Investor Information Corporate Governance.

In accordance with its written charter, the Compensation/Stock Option Committee:

- discharges the Board's responsibilities relating to compensation of Cognex's executives, including the determination of the compensation of our Chief Executive Officer and other executive officers;

- oversees our overall compensation structure, policies and programs;

- administers our stock option and other equity-based plans;

- reviews and makes recommendations to the Board regarding the compensation of our Directors; and

- is responsible for producing the annual report included in this proxy statement.

Our Chief Executive Officer, other Cognex executives, and the Cognex Human Resources department support the Compensation/Stock Option Committee in its duties and may be delegated authority to fulfill certain administrative duties regarding Cognex's compensation programs. In addition, our Chief Executive Officer makes recommendations to the Compensation/Stock Option Committee on an annual basis regarding salary increases, potential bonuses, and stock option grants for each of our other executive officers. Our Chief Executive Officer also has been delegated the authority to approve stock option grants of less than 20,000 shares to non-executive employees of Cognex.

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The Compensation/Stock Option Committee has sole authority under its charter to retain, approve fees for, determine the scope of the assignment of, and terminate advisors and consultants as it deems necessary to assist in the fulfillment of its responsibilities. The Compensation/Stock Option Committee typically does not retain compensation consultants, but may utilize independent third-party benchmarking surveys acquired by Cognex.

The agenda for meetings of the Compensation/Stock Option Committee is determined by its Chairman in consultation with the other members of the Committee and management. Committee meetings are regularly attended by the Chief Executive Officer, except when his compensation is being discussed, and may also include other executives at the invitation of the Committee. At each meeting, the Compensation/Stock Option Committee also meets in executive session. The Compensation/Stock Option Committee met five times in 2009.

The Chairman reports the actions and determinations of the Compensation/Stock Option Committee to the full Board on a regular basis. The full Board determines the compensation of our Directors, after considering any recommendations of the Compensation/Stock Option Committee.

The Compensation Discussion and Analysis section of this proxy statement provides further information regarding the processes and procedures of the Compensation/Stock Option Committee for establishing and overseeing our executive compensation programs.

Audit Committee

Our Board of Directors also has an Audit Committee whose members are Edward J. Smith, Reuben Wasserman and Theodor Krantz, Chairman. Each Director who served on the Audit Committee during 2009 is independent as such term is defined in the applicable listing standards of Nasdaq and rules of the SEC. The Board of Directors has also determined that all members of the Audit Committee are financially literate, and that Theodor Krantz qualifies as an audit committee financial expert under the rules of the SEC.

For 2009, among other functions, the Audit Committee reviewed with our independent registered public accounting firm the scope of the audit for the year, the results of the audit when completed and the independent registered public accounting firm's fees for services performed. The Audit Committee also appointed the independent registered public accounting firm and reviewed with management various matters related to our internal controls. The Audit Committee has a written charter, which is available on our website at www.cognex.com under Company Information Investor Information Corporate Governance. During 2009, the Audit Committee held seven meetings.

Nominating and Corporate Governance Committee

Our Board of Directors has a Nominating and Corporate Governance Committee whose members are Jerald G. Fishman, Reuben Wasserman and Edward J. Smith, Chairman. Each Director who served on the Nominating and Corporate Governance Committee during 2009 is independent as such term is defined in the applicable listing standards of Nasdaq. The Nominating and Corporate Governance Committee is responsible for identifying individuals qualified to serve as members of the Board and recommending to the Board nominees for election as directors at each annual meeting of shareholders and when vacancies in the Board occur for any reason. The Nominating and Corporate Governance Committee is also responsible for developing and recommending to the Board a set of corporate governance guidelines to assist and guide the Board in the exercise of its responsibilities, periodically reviewing these guidelines and recommending changes deemed appropriate, and coordinating any evaluations of the Board and its committees.

The Nominating and Corporate Governance Committee's written charter, as amended, is available on our website at www.cognex.com under Company Information Investor Information Corporate Governance. The Board also adopted

corporate governance guidelines during 2009, which are available on our website at

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www.cognex.com under Company Information Investor Information Corporate Governance. During 2009, there were two meetings of the Nominating and Corporate Governance Committee.

When considering a potential candidate for membership on our Board of Directors, the Nominating and Corporate Governance Committee will consider any criteria it deems appropriate, including, among other things, the experience and qualifications of any particular candidate as well as such candidate's past or anticipated contributions to the Board and its committees. At a minimum, each nominee is expected to have high personal and professional integrity and demonstrated ability and judgment, and to be effective, with the other Directors and management, in collectively serving the long-term interests of our shareholders. Each nominee is expected to be personable and support our "Work Hard, Play Hard and Move Fast" culture. And, each nominee is expected to have direct and significant experience in one or more industries or markets in which our company does, or plans to do, business, and/or significant senior-level management experience in functions or roles which are helpful to our company (such as, for example, finance, accounting, engineering, manufacturing, sales and marketing).

In addition to the minimum qualifications set forth for each nominee above, when considering potential candidates for our Board of Directors, the Nominating and Corporate Governance Committee seeks to ensure that the Board of Directors is comprised of a majority of independent Directors, that the committees of the Board are comprised entirely of independent Directors, and that at least one member of the Audit Committee qualifies as an "audit committee financial expert" under SEC rules. The Nominating and Corporate Governance Committee may also consider any other standards that it deems appropriate. Although there is no specific policy regarding diversity in identifying director nominees, both the Nominating and Corporate Governance Committee and the Board seek the talents and backgrounds that would be most helpful to the Company in selecting director nominees. In particular, the Committee, when recommending director candidates to the full Board for nomination, may consider whether a director candidate, if elected, assists in achieving a mix of Board members that represents a diversity of background and experience.

In practice, the Nominating and Corporate Governance Committee generally will evaluate and consider all candidates recommended by our Directors, officers and shareholders. The Nominating and Corporate Governance Committee intends to consider shareholder recommendations for Directors using the same criteria as potential nominees recommended by the members of the Nominating and Corporate Governance Committee or others. The Nominating and Corporate Governance Committee did not receive any shareholder nominees for election as Director with respect to the meeting.

Shareholders who wish to submit Director candidates for consideration as nominees for election at our 2011 Annual Meeting of Shareholders should send such recommendations to the Secretary of Cognex Corporation at our executive offices on or before November 10, 2010. These recommendations must include:

the name and address of record of the shareholder;

a representation that the shareholder is a record holder of our common stock, or if the shareholder is not a record holder, evidence of ownership in accordance with Rule 14a-8(b)(2) of the Securities Exchange Act of 1934, or the Exchange Act;

the name, age, business and residential address, educational background, current principal occupation or employment, and principal occupation or employment for the preceding ten full fiscal years of the proposed Director candidate;

a description of the qualifications and background of the proposed Director candidate which addresses the minimum qualifications described above and any other criteria for Board membership approved by the Board from time to time;

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a description of all arrangements or understandings between the shareholder and the proposed Director candidate; and

the consent of the proposed Director candidate to be named in the proxy statement, to serve as a Director if elected at such meeting, and to give our company the authority to carry out a detailed and thorough investigation of his/her educational, professional, financial and personal history.

Shareholders must also submit any other information regarding the proposed Director candidate that is required to be included in a proxy statement filed pursuant to SEC rules. See also the information under the heading **Additional Information** **Deadlines for Submission of Shareholder Proposals**.

Table of Contents**STOCK OWNERSHIP****Security Ownership of Certain Beneficial Owners**

The following table shows as of February 26, 2010, any person who is known by us to be the beneficial owner of more than five percent of our common stock. For purposes of this proxy statement, beneficial ownership is defined in accordance with Rule 13d-3 under the Exchange Act. Accordingly, a beneficial owner of a security includes any person who, directly or indirectly, through any contract, agreement, understanding, relationship or otherwise has or shares the power to vote such security or to dispose of such security.

Name and Address of Beneficial Owner	Amount and Nature of Beneficial Ownership	Percent of Class(1)
Royce & Associates, LLC 745 Fifth Avenue New York, NY 10151	5,059,890(2)	12.8%
Robert J. Shillman Cognex Corporation One Vision Drive Natick, MA 01760	3,726,356(3)	9.4%
BlackRock, Inc. 40 East 52nd Street New York, NY 10022	2,949,101(4)	7.4%
Barrow, Hanley, Mewhinney & Strauss, LLC 2200 Ross Avenue, 31st Floor Dallas, TX 75201-2761	2,286,900(5)	5.8%

- (1) Percentages are calculated on the basis of 39,666,709 shares of our common stock outstanding as of February 26, 2010. The total number of shares outstanding used in this calculation also assumes that the currently exercisable options or options which become exercisable within 60 days of February 26, 2010 held by the specified person are exercised but does not include the number of shares of our common stock underlying options held by any other person.
- (2) Information regarding Royce & Associates, LLC is based solely upon a Schedule 13G filed by Royce & Associates with the SEC on January 22, 2010, which indicates that Royce & Associates held sole voting and dispositive power over 5,059,890 shares. Per the Schedule 13G, these shares were held in various accounts managed by Royce & Associates, with the interest of one account, Royce Premier Fund, amounting to 2,957,717 shares.
- (3) Except as noted below, Dr. Shillman held sole voting and dispositive power over the shares listed. Includes 184,750 shares which Dr. Shillman has the right to acquire upon the exercise of outstanding options, exercisable currently or within 60 days of February 26, 2010. Also includes 700 shares held by Dr. Shillman's wife and 7,000 shares held by Dr. Shillman's children, which Dr. Shillman may be deemed to beneficially own but as to

which he disclaims beneficial ownership.

- (4) Information regarding BlackRock, Inc. is based solely upon a Schedule 13G filed by BlackRock with the SEC on January 29, 2010, which indicates that BlackRock held sole voting and dispositive power over 2,949,101 shares.
- (5) Information regarding Barrow, Hanley, Mewhinney & Strauss, LLC is based solely upon a Schedule 13G filed by Barrow Hanley with the SEC on February 8, 2010, which indicates that Barrow Hanley held sole voting

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power over 929,400 shares, shared voting power over 1,357,500 shares, and sole dispositive power over 2,286,900 shares.

Security Ownership of Directors and Executive Officers

The following information is furnished as of February 26, 2010, with respect to our common stock beneficially owned within the meaning of Rule 13d-3 of the Exchange Act by each of our Directors, each Director nominee, each of the named executive officers (as described below) and by all of our Directors and executive officers as a group. Unless otherwise indicated, the individuals named held sole voting and investment power over the shares listed below. The address for each individual is c/o Cognex Corporation, One Vision Drive, Natick, Massachusetts 01760.

Name	Amount and Nature of Beneficial Ownership(1)	Percent of Class(2)
Robert J. Shillman	3,726,356(3)	9.4%
Anthony Sun	113,350	*
Richard A. Morin	82,844	*
Patrick A. Alias	56,391	*
Jerald G. Fishman	21,062	*
Reuben Wasserman	21,062	*
Robert Willett	17,500	*
Theodor Krantz	15,437	*
Edward J. Smith	7,437	*
All Directors and Executive Officers as a group (9 persons)	4,061,439(4)	10.1%

* Less than 1%

- (1) Includes the following shares which the specified individual has the right to acquire upon the exercise of outstanding options, exercisable currently or within 60 days of February 26, 2010: Dr. Shillman, 184,750 shares; Mr. Sun, 21,062 shares; Mr. Morin, 79,857 shares; Mr. Alias, 52,462 shares; Mr. Fishman, 21,062 shares; Mr. Wasserman, 21,062 shares; Mr. Willett, 17,500 shares; Mr. Krantz, 15,437 shares; and Mr. Smith, 5,437 shares.
- (2) Percentages are calculated on the basis of 39,666,709 shares of our common stock outstanding as of February 26, 2010. The total number of shares outstanding used in this calculation also assumes that the currently exercisable options or options which become exercisable within 60 days of February 26, 2010 held by the specified person are exercised but does not include the number of shares of our common stock underlying options held by any other person.
- (3) See Footnote (3) under Security Ownership of Certain Beneficial Owners.
- (4) Includes 418,629 shares which certain Directors and executive officers have the right to acquire upon the exercise of outstanding options, exercisable currently or within 60 days of February 26, 2010.

COMPENSATION POLICIES AND PROCEDURES

Cognex's approach to compensation and performance management is to provide a competitive total compensation package with periodic reviews to encourage ongoing high-quality performance. We strive to hire, retain and promote talented individuals based on their achievements, to reward employees based on their overall contribution to the success of our company, and to motivate employees to continue increasing shareholder value.

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In addition to salary, total compensation may include overtime pay, commissions, stock options and potential bonuses depending on the employee's job and level within the organization. Total compensation also includes benefits consistent with our "Work Hard, Play Hard and Move Fast" culture that recognize employee achievement and encourage new levels of success, such as President's Awards, which are given annually to our top performers, and Perseverance Awards, which reward employee longevity, commitment, and loyalty. Other benefits available to all employees include company-paid basic group term life insurance and basic accidental death and dismemberment insurance, an employer match of eligible compensation that employees invest in their 401(k) accounts, and tuition reimbursement.

The Compensation/Stock Option Committee of our Board of Directors oversees the compensation program for all Cognex employees. The Committee has discussed the concept of risk as it relates to our compensation program and does not believe that our compensation program is structured to encourage excessive or inappropriate risk taking for the following reasons:

Compensation consists of both fixed and variable components. The fixed portion (i.e. base salary) provides a steady income to our employees regardless of the performance of our company or stock price. The variable portion (i.e. annual company bonus and stock option awards) is based upon company and stock price performance. This mix of compensation is designed to motivate our employees, including our named executive officers, to produce superior short- and long-term corporate performance without taking unnecessary or excessive risks to the detriment of important business metrics.

For the variable portion of compensation, the company bonus is an annual program and is focused on profitability while the stock option program generally grants awards that have a four year service-based vesting period and is focused on stock price performance. We believe that these programs provide a check on excessive risk taking because to inappropriately benefit one would be a detriment to the other. In addition, we prohibit all hedging transactions involving Cognex stock by our named executive officers so that they cannot insulate themselves from the effects of poor stock performance.

In order for any employee, including our named executive officers, to be eligible for a company bonus, our company must first achieve a certain level of profitability that is established annually by the Compensation/Stock Option Committee (we refer to this metric as "operating margin"). We believe that focusing on profitability rather than other measures encourages a balanced approach to company performance and emphasizes consistent behaviour across the organization.

Our annual bonus program is capped, which we believe mitigates excessive risk taking by limiting bonus payouts even if our company dramatically exceeds its operating margin target.

Our annual bonus program has been structured around attaining a certain level of profitability for many years and we have seen no evidence that it encourages unnecessary or excessive risk taking.

The calculation of our operating margin target is defined annually by our Compensation/Stock Option Committee and is designed to keep it from being susceptible to manipulation by any employee, including our named executive officers. We have a Code of Business Conduct and Ethics that covers, among other things, accuracy of books and records. And, pre-dating this code is our company's ten corporate values, which include integrity, that are the basis for ensuring we maintain the highest ethical standards in all that we do.

COMPENSATION DISCUSSION AND ANALYSIS

The compensation program for our named executive officers utilizes a combination of base salaries, annual bonuses and stock option awards. Our philosophy is to pay our named executive officers a base salary that is in the mid-range

of benchmarks from the Radford Executive Compensation Report, which is an independent third-party

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survey of compensation practices by companies in the high-technology industry; to establish a potential annual bonus that is market competitive; and to grant stock options in a manner that aligns the interests of our named executive officers with those of our shareholders.

Total compensation for our named executive officers also includes only those benefits that are available to all Cognex employees generally. This includes Perseverance Awards (which reward employee longevity, commitment, and loyalty), company-paid basic group term life insurance and basic accidental death and dismemberment insurance, an employer match of eligible compensation that employees invest in their 401(k) accounts, and tuition reimbursement.

The Compensation/Stock Option Committee, which consists entirely of independent directors, reviews and approves all compensation for our named executive officers, using its judgment and experience in determining the mix of compensation. The Committee views salary and bonuses as short-term compensation to reward our named executive officers for meeting individual and company performance objectives, and stock option awards as a reward for increasing shareholder value and improving corporate performance over the long-term. The Compensation/Stock Option Committee also believes that the stock option program promotes the retention of talented employees.

Determinations with respect to compensation for a fiscal year are generally made in conjunction with our Board of Directors approval of Cognex's annual budget for that year, which typically takes place at the end of the prior fiscal year.

In its deliberations of compensation for our named executive officers, the Compensation/Stock Option Committee considers the following:

the levels of responsibility associated with each executive's position;

the past performance of the individual executive;

the extent to which any individual, departmental or company-wide goals have been met;

the overall competitive environment and the level of compensation necessary to attract and retain talented and motivated individuals in key positions; and

the recommendations of our Chief Executive Officer with respect to the salary increases, potential bonuses and stock option grants for the executive officers other than himself.

The Compensation/Stock Option Committee also considers ways to maximize deductibility of executive compensation under U.S. tax laws, while retaining the discretion of the Compensation/Stock Option Committee as is appropriate to compensate executive officers at levels commensurate with their responsibilities and achievements.

Neither Cognex nor the Compensation/Stock Option Committee typically uses compensation consultants other than independent third-party benchmarking surveys of annual compensation paid by companies in the high-technology industry such as the Radford Executive Compensation Report described above.

Base Salaries

In determining the base salaries paid to our named executive officers for the fiscal year ended December 31, 2009, the Compensation/Stock Option Committee considered, in particular, their levels of responsibility, salary increases awarded in the past, and the executive's experience and potential. The base salary approved for each of our named executive officers for fiscal year 2009 was made based on the following criteria:

the Radford Executive Compensation Report's benchmarking survey of annual compensation paid by companies in the high-technology industry that have between \$250 million and \$500 million of annual

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revenue, with our named executive officers' salaries targeted to be at approximately the 50th percentile of their position;

the past performance of the individual employee; and

the fact that no company-wide merit increase was approved by our Board of Directors in the fourth quarter of 2008 in conjunction with its approval of our annual budget for fiscal year 2009 due to the dismal outlook for the global economy at that time and the potential implications for our business.

Based on these criteria, our named executive officers did not receive salary increases for 2009 other than in connection with promotions. Rather, the Compensation/Stock Option Committee approved a 29% reduction to the salary paid to Dr. Shillman and a 10% reduction to our other named executive officers' salaries as part of our company's cost-cutting initiatives, which resulted in their salaries falling well below the 50th percentile for their position as stated in the Radford report described above. To compensate them for their salary reductions, Messrs. Morin and Willett were granted options in May 2009. Mr. Morin received an annual salary increase of 4% upon his promotion to Executive Vice President before his salary reduction took effect. Dr. Shillman elected to forgo his base compensation of \$250,000, and, as requested by him, we donated this amount to a public charity.

Annual Company Bonuses

The Compensation/Stock Option Committee views annual company bonuses as a way to reward employees for meeting performance objectives. All Cognex employees, including our named executive officers, are eligible to participate in the bonus program except for those employees on a sales commission plan. The Compensation/Stock Option Committee approves the annual company bonus plan in conjunction with our Board of Directors' approval of Cognex's annual budget, which typically takes place at the end of the prior fiscal year. In order for any employee to be eligible for an annual company bonus, Cognex must first achieve financial goals set forth in the annual budget related to our budgeted non-GAAP operating income as a percentage of revenue (we refer to this metric as "operating margin"). The Compensation/Stock Option Committee determined that operating margin was an appropriate metric because the Committee believes employee performance is integral in achieving desired levels of company profitability.

Non-GAAP operating income as used in the calculation of operating margin for purposes of our bonus program is calculated by adjusting our operating income as determined in accordance with generally accepted accounting principles (GAAP) for expense related to stock options and certain discrete events, such as restructuring charges.

The Compensation/Stock Option Committee establishes a minimum level of operating margin, which must be achieved for any cash bonus to be paid to an employee. Once the minimum threshold has been achieved, each employee's eligible bonus is calculated as follows:

if the actual operating margin is above the minimum threshold but below the operating margin target in the annual budget, each employee is eligible to receive a pro-rata portion of his or her target bonus;

if the actual operating margin is equal to the operating margin target in the annual budget, each employee is eligible to receive 100% of his or her target bonus; and

if the actual operating margin is above the operating margin target in the annual budget, all exempt employees are eligible to receive an additional amount depending upon his or her grade level and up to a maximum level approved by the Compensation/Stock Option Committee.

The Compensation/Stock Option Committee approves the target bonus for each employee at director level and above, which includes our named executive officers, and the amount by which each individual can participate in any increase due to company performance in excess of the operating margin target. Once the operating margin criterion

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is met, the amount each employee at director level and above, which includes our named executive officers, receives depends upon the achievement of individual performance goals, which are established annually. For fiscal year 2009:

the target bonus for Robert J. Shillman, our Chief Executive Officer, was \$210,000, with the opportunity to earn 0-300% of this amount based on company performance and the achievement of individual performance goals;

the target bonus for Richard A. Morin, our Executive Vice President, Chief Financial Officer and Treasurer, was \$135,000, with the opportunity to earn 0-200% of this amount based on company performance and the achievement of individual performance goals; and

the target bonus for Robert Willett, our Executive Vice President in 2009 and current President, was \$150,000, with the opportunity to earn 0-200% of this amount based on company performance and the achievement of individual performance goals.

The Compensation/Stock Option Committee believes that the payment of an annual company bonus based upon the achievement of company and individual performance goals is an appropriate way to reward our named executive officers for meeting performance objectives while also achieving desired levels of company profitability.

The operating margin target for 2009 was consistent with our long-term financial model of 20% to 30% of revenue. The actual operating margin was a loss of 3% and, as a result, no employee including our named executive officers received a bonus under the annual company bonus plan for fiscal year 2009.

Stock Option Awards

Cognex's stock option program is intended to reward the majority of our exempt employees, which includes our named executive officers, for their efforts in building shareholder value and improving corporate performance over the long term. The Compensation/Stock Option Committee views salary increases and bonuses as short-term compensation and stock option awards as long-term compensation. The Compensation/Stock Option Committee also believes that the stock option program promotes the retention of talented employees.

In determining the number of options to be granted to participating employees, including our named executive officers, the Compensation/Stock Option Committee first selects an appropriate dilution target. For each year for the past several years, the Compensation/Stock Option Committee has reduced the dilution target by 25 basis points per year. The Compensation/Stock Option Committee then determines a target number of options to be granted to current employees in the form of annual grants and a target number for employees hired or promoted during the year.

The Compensation/Stock Option Committee determined the targeted dilution for the 2009 annual option grants to be 2.25%, which is a reduction of 25 basis points from 2.5% for 2008. This resulted in a target stock option pool of approximately 975,000 shares on a net basis. The annual grant of options typically occurs each year in the first quarter of such year. However, the 2009 annual option grants were completed in the first quarter of 2008 in order to utilize options available under our 1998 Stock Incentive Plan, which expired in February 2008. Because of the early grant date, these options were granted with extended vesting periods. Any employee who received 2009 annual option grants, including our named executive officers, are not eligible to participate in our annual option grants until fiscal year 2010.

Option grants to our named executive officers must be approved by the Compensation/Stock Option Committee on an individual basis. In 2009, the Compensation/Stock Option Committee approved a 10% reduction to Messrs. Morin and Willett's salaries as part of our company's cost-cutting initiatives, which resulted in their salaries falling well below the

50th percentile for their position as stated in the Radford report described above. To

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compensate them for their salary reductions, in May 2009, Mr. Morin was granted options to purchase 6,750 shares that vest on May 6, 2010 and Mr. Willett was granted options to purchase 17,500 shares that vested on June 15, 2009.

In determining the exercise price for all options granted in 2009, including options granted to our named executive officers, the Compensation/Stock Option Committee used the fair market value of our common stock on Nasdaq on the date of grant.

Our Board of Directors has adopted a policy regarding the granting of stock options on certain fixed dates. The annual grants are predetermined to occur each year on the fourth Monday in January of such year. The options for employees hired or promoted during a month are granted on the last Monday of that month. If any such Monday falls within a designated quiet period, then the grants will instead be made on the first Monday following the completion of the quiet period. If Nasdaq is closed on the appropriate Monday as described above, then the grants will instead be made on the next day that Nasdaq is open for trading. The Compensation/Stock Option Committee retains the discretion to grant options at such other times as it may otherwise deem appropriate.

The Compensation/Stock Option Committee believes that the primary purpose of stock option awards is to align employee interests with the interests of our shareholders, and to provide our employees, including our named executive officers, with incentives to increase shareholder value over time. Change of control transactions typically represent events where our shareholders are realizing the value of their equity interests in our company. We believe it is appropriate for our Directors and named executives officers to share in this realization of shareholder value.

As such, the stock options of our Directors (including Dr. Shillman) and Mr. Morin are subject to immediate vesting upon a change of control. In providing for the vesting of Mr. Morin's options, the Compensation/Stock Option Committee noted that, given Mr. Morin's role with Cognex, it was likely that his employment with Cognex would not be continued following a change of control transaction. In addition, certain stock option grants of Mr. Willett provide for the acceleration of vesting if the following conditions are met:

for the grant of 50,000 options, which become exercisable on June 17, 2013: (1) there is a change of control of Cognex within Mr. Willett's fifth year of employment; and (2) Mr. Willett is not given the opportunity to remain in his role following the change of control; and

for the grant of 50,000 options, which become exercisable on June 17, 2014: (1) there is a change of control of Cognex within Mr. Willett's sixth year of employment; and (2) Mr. Willett is not given the opportunity to remain in his role following the change of control.

In providing for the vesting of Mr. Willett's options, the Compensation/Stock Option Committee decided that it was appropriate for Mr. Willett to share in the realization of shareholder value, particularly if his employment or association with Cognex is terminated or his role is changed in connection with the change of control transaction.

We do not have a stock ownership policy for our named executive officers or members of our Board of Directors.

Cash Tender Offer for Certain Underwater Stock Options

On December 15, 2009, we completed an offer to purchase from eligible employees, including our named executive officers and Directors, certain underwater stock options (meaning the stock option exercise price exceeded the market price of Cognex common stock) for a cash payment. The eligible options included those options with an exercise price equal to or greater than \$23.00 per share, which represented a 29% increase over the 52-week high sale price of our common stock preceding the start of the offer. Pursuant to this offer, Cognex accepted the tender of 4,900,694 options, representing 95% of the eligible options, for which Cognex paid out an aggregate of \$9,158,426.

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Since our founding almost thirty years ago, Cognex has always been driven to be the best. During that time, we have succeeded in developing the best technology and products and in delivering financial performance that has been consistently superior to all of our competitors around the world. Stock options have played an instrumental role in our success, and they have proven to be an effective means of aligning the interests of our employees with those of our shareholders. We've become the world's largest and most successful machine vision company because of the leadership provided by our Board of Directors and our named executive officers, and because of the efforts of our employees around the world, each of whom was carefully chosen, trained and motivated to work hard and to work smart for the continued success of our company.

The number of highly-educated, creative, productive and self-motivated candidates for employment worldwide is limited, and we pride ourselves in our ability to get more than our fair share of them. We have been able to do that by offering them a challenging and vibrant work environment and a competitive compensation package...but not a very high salary. Although we target individuals who are in the top 10 percentile of the distribution, we offer salary levels that are in the bottom 60th percentile. And, although we supplement the base salary with the potential for an annual company bonus (based on both Cognex and individual performance), our employees' annual expected cash compensation is still quite a bit lower than what they could earn elsewhere. Nevertheless, we are able to recruit and retain the highest caliber employees by providing them with the opportunity via stock options to profit in a meaningful way in the company's future growth.

In deciding to extend the offer, our Board of Directors considered the following facts:

99% of our outstanding stock options were underwater at the time of the offer due to a number of factors in recent years having nothing to do with our efforts, such as the recent precipitous downturn in the economy, and were not providing the incentive or retention value that was originally intended;

as part of our cost-cutting efforts for 2009, we did not provide any salary increases to our employees (other than in connection with promotions), the salary paid to Dr. Shillman was cut by 29%, and the salaries or fees paid to our other named executive officers and to our Directors were cut by 10%;

in 2009, the employer match of eligible compensation that employees invest in their 401(k) accounts was cut by 50%;

we were not going to pay an annual company bonus for 2009; and

we instituted a mandatory shutdown schedule for 2009 whereby most employees, including our named executive officers, were required to take certain days as vacation time or as unpaid time off.

In deciding to extend the offer, our Board of Directors considered these facts and concluded that the offer was consistent with the original intention of the stock option awards. Over the average life of the tendered options, the cash savings for Cognex from our compensation philosophy have been significant, and much greater than the aggregate tender offer payout. Moreover, not all of our underwater options were included in the offer. The offer included only those options that were at least 29% above the 52-week high sale price of our common stock preceding the start of the offer. The offer also provided the added benefit of reducing our outstanding stock options by 50%.

In regard to Mr. Willett, we determined it was appropriate for him to be eligible to participate in the tender offer even though his tenure with our company is limited because when he joined in June 2008 he was initially provided with an annual base salary that was set below the 50th percentile for his position per the Radford report described above.

The amount offered for each tendered option was determined based upon a binomial lattice model, which is what we use to value our stock options for financial reporting purposes as we believe this model results in a better estimate of fair value. The per share amount for the eligible options ranged from \$0.05 to \$3.42 per share due to their

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differing exercise prices and remaining term until expiration, and was subject to a \$0.05 per share minimum. The terms of the offer that was made to our named executive officers and Directors was consistent with the terms offered to all eligible employees. Pursuant to this offer, the following payments were made to our named executive officers for stock options tendered and accepted by Cognex: Dr. Shillman, \$584,375; Mr. Morin, \$275,633; and Mr. Willett, \$270,000.

REPORT OF THE COMPENSATION/STOCK OPTION COMMITTEE

The Compensation/Stock Option Committee administers the compensation program for Cognex's executive officers. The Compensation/Stock Option Committee is composed of Directors who qualify as independent under the applicable listing standards of Nasdaq.

The Compensation/Stock Option Committee has reviewed and discussed the Compensation Discussion and Analysis included in this proxy statement with management. Based on that review and discussion, the Compensation/Stock Option Committee recommended to the Board of Directors that the Compensation Discussion and Analysis be included in this proxy statement.

The foregoing report has been approved by all members of the Compensation/Stock Option Committee.

COMPENSATION/STOCK OPTION COMMITTEE

Reuben Wasserman, *Chairman*

Jerald G. Fishman

Theodor Krantz

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The following table sets forth the total compensation awarded to, earned by or paid to our Chief Executive Officer, our Chief Financial Officer, and our other executive officers in fiscal years 2009, 2008 and 2007 (who we refer to collectively as the named executive officers).

Name and Principal Position	Year	Salary(1)	Bonus(1)	Non-Equity Incentive			Total Compensation
				Option Awards(2)	Plan Compensation(3)	All Other Compensation(3)	
Robert J. Shillman Chief Executive Officer	2009	(4) \$	0	\$ 0	(4) \$	594,856	\$ 844,856(4)
	2008	(4) \$	0	\$ 482,134	(4) \$	10,507	\$ 886,741(4)
	2007	(4) \$	0	\$ 358,381	(4) \$	9,078	\$ 769,959(4)
Richard A. Morin(5) Chief Financial Officer, Executive Vice President, and Treasurer	2009	\$ 249,623	\$ 0	\$ 30,510	\$ 0	\$ 288,811	\$ 568,944
	2008	\$ 257,038	\$ 0	\$ 398,687	\$ 27,300	\$ 9,231	\$ 692,256
	2007	\$ 248,469	\$ 25,000	\$ 265,624	\$ 26,250	\$ 8,943	\$ 574,286
Robert Willett(6) President and Chief Operating Officer	2009	\$ 255,981	\$ 0	\$ 70,700	\$ 0	\$ 405,915	\$ 732,596
	2008	\$ 123,750	\$ 0	\$ 3,741,750	\$ 17,089	\$ 1,825	\$ 3,884,414
Eric A. Ceyrolle(7) Former Executive Vice President, Worldwide Sales & Marketing, MVSD	2009	\$ 145,919	\$ 0	\$ 0	\$ 0	\$ 254,537	\$ 400,456
	2008	\$ 272,077	\$ 0	\$ 0	\$ 0	\$ 10,335	\$ 282,412
	2007	\$ 276,289	\$ 0	\$ 0	\$ 35,250	\$ 16,304	\$ 327,843
Justin A. Testa(8)(9) Former Executive Vice President, and Business Unit Manager, Vision Systems	2009	\$ 192,570	\$ 0	\$ 0	\$ 0	\$ 19,138	\$ 211,708
	2008	\$ 230,759	\$ 0	\$ 344,381	\$ 15,757	\$ 8,864	\$ 599,761

- (1) Salary and bonus amounts are presented in the year earned. The payment of such amounts may have occurred in other years.
- (2) Represents the aggregate grant date fair value of options granted to each named executive officer in 2009, 2008 and 2007, but disregarding for this purpose the estimate of forfeitures related to service-based vesting conditions. The methodology and assumptions used to calculate the grant date fair value are described in Note 14, Stock-Based Compensation appearing on page 68 of our Annual Report on Form 10-K for the fiscal year ended December 31, 2009. The grant date fair value is recognized by Cognex as an expense for financial reporting purposes over the service-based vesting period. In 2009, Dr. Shillman forfeited 62,400 option shares and Mr. Morin forfeited 80,000 option shares because the exercise prices were well below the market price of our common stock on the grant expiration dates, and Mr. Ceyrolle forfeited 243,071 option shares and Mr. Testa forfeited 255,500 option shares in connection with each individual's resignation from Cognex. No stock option grants to a named executive officer were forfeited in 2008 or 2007.

(3) Amounts listed in this column for 2009 that individually equal or exceed \$10,000 include:

payments made by Cognex for options tendered and accepted in our tender offer to purchase certain underwater stock options completed on December 15, 2009 as follows: Dr. Shillman tendered options to purchase an aggregate of 291,700 shares at a weighted average exercise price of \$29.18, and received in exchange \$584,375; Mr. Morin tendered options to purchase an aggregate of 128,250 shares at a weighted

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average exercise price of \$28.64, and received in exchange \$275,633; and Mr. Willett tendered options to purchase an aggregate of 250,000 shares at a weighted average exercise price of \$27.13, and received in exchange \$270,000;

relocation payments of \$130,452 made by Cognex attributable to Mr. Willett's relocation to our Natick, Massachusetts headquarters;

a payment of \$15,204 for accrued, unused Paid Time Off (PTO) made by Cognex to Mr. Ceyrolle in connection with his resignation from Cognex;

separation payments of \$233,750 made by Cognex to Mr. Ceyrolle; and

a payment of \$13,549 for accrued, unused PTO made by Cognex to Mr. Testa in connection with his resignation from Cognex.

- (4) Dr. Shillman elected to forgo his base salary of \$250,000 in 2009 and \$350,000 in 2008 and 2007, as well as his annual company bonus of \$44,100 and \$52,500 in 2008 and 2007, respectively, and, as requested by him, we donated these amounts to a public charity. Although these amounts were donated, they are included in the amount shown in the Total Compensation column.
- (5) Mr. Morin was promoted to Executive Vice President of Cognex in April 2009.
- (6) Mr. Willett joined Cognex on June 16, 2008 as our Executive Vice President and President, MVSD. He was promoted to President and Chief Operating Officer of Cognex in January 2010.
- (7) Mr. Ceyrolle, our former Executive Vice President of Worldwide Sales & Marketing, MVSD, resigned from Cognex effective July 15, 2009.
- (8) Mr. Testa, our former Executive Vice President and Business Unit Manager, Vision Systems, ceased to be an executive officer of Cognex effective April 23, 2009. A portion of Mr. Testa's salary for 2009 of \$192,570 was attributable to his employment with Cognex after he ceased to be an executive officer of our company and until he resigned from Cognex effective October 29, 2009.
- (9) Mr. Testa became an executive officer of Cognex upon his promotion to Executive Vice President on April 17, 2008. A portion of Mr. Testa's salary for 2008 of \$230,759 was attributable to his employment with Cognex prior to his promotion to Executive Vice President.

Grants of Plan-Based Awards Table 2009

The following table sets forth information on non-equity incentive plans and option grants to our named executive officers in fiscal 2009.

Estimated Future Payouts Under Non-Equity Incentive Plan Awards(1) Grant	All Other Option Awards: Number of Securities	Exercise or Base Price of Option Awards	Grant Date Fair Value of
---	--	--	---

Name	Date	Threshold	Target	Maximum	Underlying Options	(per Share)	Option Awards(2)
Robert J. Shillman		\$ 0	\$ 210,000	\$ 630,000			
Richard A. Morin		\$ 0	\$ 135,000	\$ 270,000			
	5/6/09				6,750(3)	\$ 13.45	\$ 30,510
Robert Willett		\$ 0	\$ 150,000	\$ 300,000			
	5/6/09				17,500(4)	\$ 13.45	\$ 70,700
Eric A. Ceyrolle		\$ 0	\$ 141,000	\$ 317,250(5)			
Justin A. Testa		\$ 0	\$ 75,000	\$ 150,000(5)			

(1) These columns indicate the range of payouts targeted for 2009 performance under Cognex's annual company bonus program as described under the heading Compensation Discussion and Analysis. The actual payout

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with respect to 2009 for each named executive officer is shown in the Summary Compensation Table in the column titled Non-Equity Incentive Plan Compensation.

- (2) The methodology and assumptions used to calculate the grant date fair value of the options granted to each named executive officer in 2009 are described in Note 14, Stock-Based Compensation appearing on page 68 of our Annual Report on Form 10-K for the fiscal year ended December 31, 2009, but disregarding for this purpose the estimate of forfeitures related to service-based vesting conditions.
- (3) These options have a ten-year term and become exercisable in one installment on May 6, 2010.
- (4) These options have a ten-year term and became exercisable in one installment on June 15, 2009.
- (5) Messrs. Ceyrolle and Testa were not eligible to receive an annual bonus for 2009 because neither individual was an employee of Cognex at the time his bonus would have been paid.

Discussion of Summary Compensation and Grants of Plan-Based Awards Tables

Compensation to our named executive officers consists primarily of salary, bonus and stock option awards as well as those benefits which are available to all Cognex employees generally. These benefits include company-paid basic group term life insurance and basic accidental death and dismemberment insurance, an employer match of eligible compensation that employees invest in their 401(k) accounts, and tuition reimbursement, and benefits consistent with our Work Hard, Play Hard and Move Fast culture such as Perseverance Awards, which reward employee longevity, commitment, and loyalty. Cognex's executive compensation policies, pursuant to which the compensation set forth in the Summary Compensation Table and Grants of Plan-Based Awards Table was paid or awarded, are described under the heading Compensation Discussion and Analysis.

In particular, our named executive officers did not receive salary increases for 2009 other than in connection with promotions due to the dismal outlook for the global economy at the time the Board of Directors approved our annual budget for fiscal year 2009 and the potential implications for our business. Rather, Dr. Shillman's salary was reduced by 29%, and Messrs. Morin and Willett's salaries were reduced by 10%, as part of our company's cost-cutting initiatives. Mr. Morin received an annual salary increase of 4% upon his promotion to Executive Vice President before his salary reduction took effect. (These percentages may not be able to be recalculated based upon the salaries set forth in the Summary Compensation Table if the salary change took place during the fiscal year.) Dr. Shillman elected to forgo his base compensation of \$250,000 for 2009, and, as requested by him, we donated this amount to a public charity.

Total compensation for Mr. Ceyrolle, who resigned from Cognex effective July 15, 2009, includes separation payments totalling \$233,750. This payment was made by Cognex in accordance with the terms of a separation agreement entered into by Cognex with Mr. Ceyrolle on April 24, 2009.

Cognex provides each named executive officer with the opportunity to earn a cash bonus pursuant to a performance-based annual company bonus program. The Compensation/Stock Option Committee approves the target bonus for each named executive officer. The named executive officer may earn his bonus based on the achievement of certain financial goals set forth in Cognex's annual budget related to non-GAAP operating income as a percentage of revenue (we refer to this metric as operating margin), and on the achievement of individual performance goals, which are also established annually. For 2009, the target bonus for Dr. Shillman was \$210,000, with the opportunity to earn 0-300% of this amount; the target bonus for Mr. Morin was \$135,000, with the opportunity to earn 0-200% of this amount; and the target bonus for Mr. Willett was \$150,000, with the opportunity to earn 0-200% of this amount.

During 2009, Cognex's actual operating margin was a loss of 3%, which was below the operating margin target. As a result, no employee, including our named executive officers, received a bonus under the annual company bonus plan for fiscal year 2009.

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A total of 92,750 options were granted to Cognex employees in fiscal year 2009, which consisted primarily of options for employees who were hired or promoted during the year. The annual option grants for fiscal year 2009, which typically would be completed in the first quarter of such year, were completed in 2008 with extended vesting periods in order to utilize options available under our 1998 Stock Incentive Plan, which expired in February 2008. Any employee who received 2009 annual option grants in 2008, including our named executive officers, are not eligible to participate in our annual option grants until fiscal year 2010. In fiscal year 2009, Mr. Willett was granted options to purchase 17,500 shares, and Mr. Morin was granted options to purchase 6,750 shares, in order to compensate them for their 2009 salary reduction as discussed above.

As described under the heading "Compensation Discussion and Analysis - Cash Tender Offer for Certain Underwater Stock Options," on December 15, 2009, we completed an offer to purchase from eligible employees, including our named executive officers and Directors, certain underwater stock options for a cash payment. The payments made to our named executive officers for the stock options they tendered and that were accepted by Cognex are set forth under "All Other Compensation" in the Summary Compensation Table. The terms of the offer that was made to our named executive officers and Directors were consistent with the terms offered to all eligible employees.

Table of Outstanding Equity Awards at Fiscal Year-End 2009

The following table sets forth the number of options to purchase shares of our common stock held by the named executive officers at December 31, 2009. Messrs. Ceyrolle and Testa resigned from Cognex during 2009 and, as a result, any unexercised options held by each individual expired prior to December 31, 2009.

Name	Number of Securities Underlying Unexercised Options (Exercisable)	Number of Securities Underlying Unexercised Options (Unexercisable)	Option Exercise Price	Option Expiration Date	Footnote
Robert J. Shillman	2,250	0	\$ 22.69	3/13/11	(1)
	41,250	0	\$ 21.20	4/2/13	(2)
	60,000	0	\$ 18.13	12/21/15	(3)
	24,000	0	\$ 21.74	2/11/12	(4)
	21,250	21,250	\$ 21.66	1/29/17	(5)
	8,750	26,250	\$ 18.70	2/19/18	(6)
	0	31,500	\$ 18.70	2/19/18	(7)
Richard A. Morin	18,250	0	\$ 21.20	4/2/13	(2)
	4,000	0	\$ 21.74	2/11/12	(4)
	15,750	15,750	\$ 21.66	1/29/17	(5)
	5,625	16,875	\$ 18.70	2/19/18	(6)
	1,610	4,830	\$ 18.87	8/5/18	(6)
	0	20,250	\$ 18.70	2/19/18	(7)
	0	5,800	\$ 18.87	8/5/18	(7)
	13,000	0	\$ 18.13	12/21/15	(8)
0	6,750	\$ 13.45	5/6/19	(9)	
Robert Willett	17,500	0	\$ 13.45	5/6/19	(10)
	0	50,000	\$ 27.13	6/17/18	(11)
	0	50,000	\$ 27.13	6/17/18	(12)

- (1) This option became exercisable in one installment on April 1, 2002.
- (2) This option became exercisable in four equal annual installments commencing on January 1, 2004.
- (3) This option became exercisable in one installment on April 27, 2005.

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- (4) This option became exercisable in four annual installments as follows: 40% on January 1, 2003, and 20% on each January 1st for the subsequent three years.
- (5) This option became exercisable in four equal annual installments commencing on January 29, 2008.
- (6) This option became exercisable in four equal annual installments commencing on February 19, 2009.
- (7) This option became exercisable in four equal annual installments commencing on February 19, 2010.
- (8) This option became exercisable in two annual installments. The first installment for 4,000 shares became exercisable on April 27, 2005, and the second installment for 13,000 shares became exercisable on April 27, 2006.
- (9) This option becomes exercisable in one installment on May 6, 2010.
- (10) This option became exercisable in one installment on June 15, 2009.
- (11) This option becomes exercisable in one installment on June 17, 2013.
- (12) This option becomes exercisable in one installment on June 17, 2014.

Employment Agreement with Robert Willett

We entered into an employment agreement with Mr. Willett in June 2008 when he joined our company as Executive Vice President and President, MVSD which entitles him to receive all of Cognex's standard employee benefits. In addition, under the employment agreement, certain options to purchase shares of our common stock that he was granted in connection with his appointment to an executive officer when he joined our company, and which were outstanding at December 31, 2009, are subject to accelerated vesting under certain circumstances following a change of control of Cognex as described in more detail below under the heading Potential Payments Upon Termination or Change of Control.

Potential Payments Upon Termination or Change of Control

All stock option agreements covering unvested options held by our Directors, including Dr. Shillman, and Mr. Morin provide for such options to vest immediately upon a change of control of Cognex, which is defined as a corporate transaction in which the holders of Cognex common stock before the transaction control less than 51% of the stock of Cognex or any successor corporation after the transaction.

The employment agreement between Cognex and Mr. Willett provides for the unvested options held by Mr. Willett that were granted upon his hire in June 2008 to become fully vested if the following conditions are met:

for the grant of 50,000 options, which become exercisable on June 17, 2013: (1) there is a change of control of Cognex within Mr. Willett's fifth year of employment; and (2) Mr. Willett is not given the opportunity to remain in his role following the change of control; and

for the grant of 50,000 options, which become exercisable on June 17, 2014: (1) there is a change of control of Cognex within Mr. Willett's sixth year of employment; and (2) Mr. Willett is not given the opportunity to remain in his role following the change of control.

For purposes of Mr. Willett's agreement, a change of control means that control of Cognex has been moved from a board of directors selected by public shareholders to individuals who are appointed by a new owner of Cognex, other than a change in the Board pursuant to a purchase of Cognex by a financial buyer.

The following table indicates the amount of unvested shares held by each individual that would have become fully exercisable assuming that with respect to Dr. Shillman and Mr. Morin, a change in control of Cognex occurred at December 31, 2009, and with respect to Mr. Willett, the termination of his employment occurred in the circumstances described above at December 31, 2009 following a change in control. These amounts are estimates

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only and do not necessarily reflect the actual number of shares that would accelerate or their value, which would only be known at the time that the individual becomes entitled to the accelerated vesting of his options.

Name	Number of Option Shares That Would Have Accelerated Vesting	Value of Option Shares That Would Have Accelerated Vesting(1)
Robert J. Shillman	79,000	\$ 0
Richard A. Morin	70,255	\$ 28,755
Robert Willett	0	\$ 0

(1) Any amount shown in this column would have been based on the positive difference, if any, between the closing price of our common stock on Nasdaq on December 31, 2009, or \$17.71, and the exercise prices for such options.

The per share exercise prices of all unvested options held by Dr. Shillman were greater than \$17.71, and therefore no payments are shown for the accelerated vesting of those options.

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REPORT OF THE AUDIT COMMITTEE

The following is the report of the Audit Committee with respect to Cognex's audited financial statements for the fiscal year ended December 31, 2009. The Audit Committee acts pursuant to a written charter. Each of the members of the Audit Committee qualifies as an independent Director under the applicable listing standards of Nasdaq and rules of the SEC.

The Audit Committee has reviewed and discussed Cognex's audited financial statements with management. The Audit Committee has discussed with Grant Thornton LLP, Cognex's independent registered public accounting firm, the matters required to be discussed by Statement of Auditing Standards No. 61, *Communication with Audit Committees*, which provides that certain matters related to the conduct of the audit of Cognex's financial statements are to be communicated to the Audit Committee. The Audit Committee has also received the written disclosures and the letter from Grant Thornton required by applicable requirements of the Public Company Accounting Oversight Board regarding Grant Thornton's communications with the Audit Committee concerning independence, and has discussed with Grant Thornton the independent registered public accounting firm's independence from Cognex.

Based on the review and discussions referred to above, the Audit Committee recommended to the Board of Directors that Cognex's audited financial statements be included in Cognex's Annual Report on Form 10-K for the fiscal year ended December 31, 2009.

The foregoing report has been approved by all members of the Audit Committee.

AUDIT COMMITTEE

Theodor Krantz, *Chairman*
Edward J. Smith
Reuben Wasserman

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The Audit Committee has appointed Grant Thornton LLP as Cognex's independent registered public accounting firm to examine the consolidated financial statements of Cognex and its subsidiaries for the fiscal year ended December 31, 2010. Grant Thornton served as Cognex's independent registered public accounting firm for fiscal years 2009 and 2008. A representative of Grant Thornton is expected to be present at our Special Meeting in lieu of the 2010 Annual Meeting of Shareholders, and will have the opportunity to make a statement if he or she so desires and to respond to appropriate questions.

Fees Paid to Independent Registered Public Accounting Firm

The aggregate fees charged or expected to be charged by Grant Thornton for services rendered in auditing our annual financial statements for the fiscal year ended December 31, 2009 and reviewing our financial statements included in our quarterly reports on Form 10-Q for the fiscal year, as well as the fees charged or expected to be charged by Grant Thornton for other professional services rendered during 2009 are as follows:

Fees for fiscal 2009:

Audit Fees	\$ 924,654
Audit-Related Fees	\$ 0
Tax Fees:	
Tax Compliance, Planning and Preparation	\$ 0
Tax Consulting, Advisory and Other Services	\$ 0
Total Tax Fees	\$ 0
All Other Fees	\$ 0

The aggregate fees charged by Grant Thornton for services rendered in auditing our annual financial statements for the fiscal year ended December 31, 2008 and reviewing our financial statements included in our quarterly report on Form 10-Q for the fiscal year, as well as the fees charged by Grant Thornton for other professional services rendered during 2008 are as follows:

Fees for fiscal 2008:

Audit Fees	\$ 1,044,533
Audit-Related Fees	\$ 0
Tax Fees:	
Tax Compliance, Planning and Preparation	\$ 0
Tax Consulting, Advisory and Other Services	\$ 0
Total Tax Fees	\$ 0
All Other Fees	\$ 0

Pre-approval Policies

The Audit Committee pre-approves all auditing services and the terms of such services and non-audit services provided by Cognex's independent registered public accounting firm, but only to the extent that the non-audit services are not prohibited under applicable law and the Audit Committee reasonably determines that the non-audit services do not impair the independence of the independent registered public accounting firm. The authority to pre-approve non-audit services may be delegated to one or more members of the Audit Committee, who present all decisions to pre-approve an activity to the full Audit Committee at its first meeting following such decision.

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The pre-approval requirement is waived with respect to the provision of non-audit services for Cognex if:

the aggregate amount of all such non-audit services provided to us constitutes not more than 5% of the total amount of revenues paid by us to the independent registered public accounting firm during the fiscal year in which such non-audit services were provided;

those services were not recognized at the time of the engagement to be non-audit services; and

those services are promptly brought to the attention of the Audit Committee and approved prior to the completion of the audit by the Audit Committee or by one or more of its members to whom authority to grant such approvals has been delegated by the Audit Committee.

All of the audit-related, tax and all other services provided to Cognex by our independent registered public accounting firm for fiscal years 2009 and 2008 were approved by the Audit Committee by means of either specific approval or pursuant to the procedures contained in the pre-approval policy. There were no non-audit services provided to Cognex by our independent registered public accounting firm for fiscal years 2009 and 2008 that required review by the Audit Committee.

COMPENSATION/STOCK OPTION COMMITTEE INTERLOCKS AND INSIDER PARTICIPATION

The Directors who served on the Compensation/Stock Option Committee at any time during 2009 were Mr. Fishman, Mr. Krantz and Mr. Wasserman. No member has served as an officer or employee of Cognex or any of its subsidiaries, nor had any business relationship or affiliation with Cognex or any of its subsidiaries other than his service as a Director.

CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS

In June 2000, Cognex became a limited partner in Venrock Associates III, L.P., a venture capital fund. Cognex has committed to a total investment in the limited partnership of up to \$20,500,000, with an expiration date of December 31, 2010. We do not have the right to withdraw from the partnership prior to December 31, 2010. As of December 31, 2009, we had contributed \$19,886,000 to the partnership, including \$398,000 during 2009. Mr. Sun, a member of our Board of Directors, was a managing general partner of Venrock Associates until his retirement on December 31, 2009. In the Board's opinion, Cognex's relationship with Venrock Associates will not interfere with Mr. Sun's exercise of independent judgment in carrying out his responsibilities as a Director of Cognex.

In accordance with its charter, the Audit Committee conducts an appropriate review of all related party transactions for potential conflict of interest situations on an ongoing basis, and the approval of the Audit Committee is required for all related party transactions. Under our Code of Business Conduct and Ethics, any transaction or relationship engaged in by our employees, including our named executive officers and Directors, that reasonably could be expected to give rise to a conflict of interest should be reported promptly to our Compliance Officer, who may notify our Board of Directors or a committee thereof as he deems appropriate. Actual or potential conflicts of interest involving a Director or named executive officer are required to be disclosed directly to the Chairman of our Board of Directors.

SECTION 16(a) BENEFICIAL OWNERSHIP REPORTING COMPLIANCE

Section 16(a) of the Exchange Act requires our officers and Directors and persons owning more than 10% of our outstanding common stock to file reports of ownership and changes in ownership with the SEC. Officers,

Directors and greater than 10% holders of our common stock are required by SEC regulations to furnish us with copies of all forms they file with the SEC under Section 16(a).

Based solely on copies of such forms furnished to us as provided above, we believe that during fiscal 2009, all Section 16(a) filing requirements applicable to our officers, Directors and owners of greater than 10% of our common stock were complied with.

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ADDITIONAL INFORMATION

Deadlines for Submission of Shareholder Proposals

Under regulations adopted by the SEC, any proposal submitted for inclusion in our proxy statement relating to our 2011 Annual Meeting of Shareholders must be received at our principal executive offices in Natick, Massachusetts on or before November 10, 2010. Our receipt of any such proposal from a qualified shareholder in a timely manner will not ensure its inclusion in the proxy material because there are other requirements in the proxy rules for such inclusion.

In addition to the SEC's requirements regarding shareholder proposals, our by-laws contain provisions regarding matters to be brought before shareholder meetings. If shareholder proposals, including proposals regarding the election of Directors, are to be considered at the 2011 Annual Meeting of Shareholders, notice of them whether or not they are included in our proxy statement and form of proxy, must be given by personal delivery or by U.S. mail, postage prepaid, to the Secretary of Cognex Corporation on or before February 11, 2011. The notice must set forth:

information concerning the shareholder, including his or her name and address;

a representation that the shareholder is entitled to vote at such meeting and intends to appear in person or by proxy at the meeting to present the matter specified in the notice; and

such other information as would be required to be included in a proxy statement soliciting proxies for the presentation of such matter to the meeting.

Shareholder proposals with respect to the election of Directors must also contain other information set forth in our by-laws. Proxies solicited by our Board of Directors will confer discretionary voting authority with respect to these proposals subject to the SEC's rules governing the exercise of this authority. We suggest that any shareholder proposal be submitted by certified mail, return receipt requested.

Other Matters

Management knows of no matters which may properly be and are likely to be brought before the meeting other than the matters discussed in this proxy statement. However, if any other matters properly come before the meeting, the persons named in the enclosed proxy will vote in accordance with their best judgment.

Expenses and Solicitation

The cost of this solicitation will be borne by Cognex. It is expected that the solicitation will be made primarily by mail, but regular employees or representatives of Cognex (none of whom will receive any extra compensation for their activities) may also solicit proxies by telephone, telegraph and in person and arrange for brokerage houses and other custodians, nominees and fiduciaries to send proxy material to their principals at our expense.

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Form 10-K Report

We will provide shareholders with a copy of our annual report on Form 10-K, including the financial statements and schedules to such report, required to be filed with the SEC for our most recent fiscal year, without charge, upon receipt of a written request from such person. Such request should be sent to Department of Investor Relations, Cognex Corporation, One Vision Drive, Natick, Massachusetts 01760.

By Order of the Board of Directors

Anthony J. Medaglia, Jr., *Secretary*

Natick, Massachusetts

March 10, 2010

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**Admission Ticket
 Electronic Voting Instructions
 You can vote by Internet or telephone!
 Available 24 hours a day, 7 days a week!**

Instead of mailing your proxy, you may choose one of the two voting methods outlined below to vote your proxy. **VALIDATION DETAILS ARE LOCATED BELOW IN THE TITLE BAR.**
Proxies submitted by the Internet or telephone must be received by 11:59 p.m., EDT, on Wednesday, April 21, 2010.

Vote by Internet
 Log on to the Internet and go to
www.envisionreports.com/CGNX

 Follow the steps outlined on the secured website.

Vote by telephone
 Call toll free 1-800-652-VOTE (8683) within the USA, US territories & Canada any time on a touch tone telephone. There is **NO CHARGE** to you for the call.

 Follow the instructions provided by the recorded message.

Using a **black ink** pen, mark your votes with an **X** as shown in this example. Please do not write outside the designated areas. x

Special Meeting in Lieu of the 2010 Annual Meeting of Shareholders Proxy Card

6 IF YOU HAVE NOT VOTED VIA THE INTERNET OR TELEPHONE, FOLD ALONG THE PERFORATION, DETACH AND RETURN THE BOTTOM PORTION IN THE ENCLOSED ENVELOPE. 6

A Election of Directors The Board of Directors recommends a vote FOR all the nominees listed.

1. Nominees: 01 - Robert J. Shillman 02 - Anthony Sun +

- Mark here to vote FOR all nominees**
 - Mark here to WITHHOLD vote from all nominees**
 - For All EXCEPT - To withhold a vote for one or more nominees, mark the box to the left and the corresponding numbered box(es) to the right.**
- | | |
|-----------------------|-----------------------|
| 01 | 02 |
| <input type="radio"/> | <input type="radio"/> |

2. The consideration of any other business that may properly come before the meeting or any adjournment or postponement thereof.

B Non-Voting Items

Change of Address Please print your new address below.

Comments Please print your comments below.

Meeting Attendance

Mark box to the right if you plan to attend the Annual Meeting.

C Authorized Signatures This section must be completed for your vote to be counted. Date and Sign Below

Please sign exactly as name(s) appears hereon. Joint owners should each sign. When signing as attorney, executor, administrator, corporate officer, trustee, guardian, or custodian, please give full title.

Date (mm/dd/yyyy) Please print date below.

/ /

Signature 1 Please keep signature within the box.

Signature 2 Please keep signature within the box.

1 U P X

+

015LBC

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**Special Meeting in Lieu of the 2010 Annual Meeting of Shareholders Admission Ticket
Special Meeting in Lieu of the 2010 Annual Meeting of
Cognex Corporation Shareholders
Thursday, April 22, 2010 at 10:00 a.m. Local Time
Goodwin Procter LLP
Exchange Place
53 State Street
Boston, Massachusetts
Upon arrival, please present this admission ticket
and photo identification at the registration desk.**

DIRECTIONS TO THE BOSTON OFFICE OF GOODWIN PROCTER LLP

Exchange Place

53 State Street

Boston, MA 02109

From Points West:

Take Mass Pike (I-90) to I-93 North

Take exit 23, Government Center

At the end of the ramp, take left onto North Street

Follow Continuation From Points South, West and Logan Airport

Please note: Exchange Place does not have a parking garage. Parking is available next door at 75 State Street (parking garage entrance on Broad Street).

From Points North:

Take I-93 South to exit 24A, Government Center

At the end of exit, bear left onto Atlantic Avenue

Take first right onto State Street

Take left onto Broad Street and make right into the 75 State Street garage

Take elevator up to 75 State Street lobby, and exit onto Kilby Street (by Rebecca's Café)

An entrance for 53 State Street (Exchange Place) is immediately across the street

From Points South:

Take I-93 North to exit 23, Government Center

At the end of the ramp, take left onto North Street

Follow Continuation From Points South, West and Logan Airport

From Logan Airport:

Follow signs for the Ted Williams Tunnel/Mass Pike/I-90 West

Take the Ted Williams Tunnel to the Mass Pike (I-90) West

Use Exit 24-25 after leaving the Ted Williams Tunnel

The exit ramp runs parallel to I-90 for approximately 1/2 mile until it enters the northbound Central Artery tunnel

Proceed north about 1/2 mile to exit 23, Government Center

Take left onto North Street

Follow Continuation From Points South, West and Logan Airport

Continuation From Points South, West and Logan Airport:

Take left onto Congress Street

Take left onto Milk Street

Take left onto Broad Street

Take left into 75 State Street garage (just before State Street)

Take elevator up to 75 State Street lobby, and exit onto Kilby St (by Rebecca's Café)

An entrance for 53 State Street (Exchange Place) is immediately across the street

6 IF YOU HAVE NOT VOTED VIA THE INTERNET OR TELEPHONE, FOLD ALONG THE PERFORATION, DETACH AND RETURN THE BOTTOM PORTION IN THE ENCLOSED ENVELOPE. 6

Proxy Cognex Corporation

Notice of Special Meeting in Lieu of the 2010 Annual Meeting of Shareholders

Proxy Solicited by Board of Directors for Special Meeting April 22, 2010

Important Notice Regarding the Availability of Proxy Materials for the Special Meeting in Lieu of the 2010 Annual Meeting of Shareholders to be held on April 22, 2010: The proxy statement and annual report to shareholders are available at: www.envisionreports.com/CGNX.

The undersigned hereby appoints Robert J. Shillman and Anthony J. Medaglia, Jr., and each of them, with full power of substitution, as proxies to represent and vote the shares of the undersigned, with all the powers which the undersigned would possess if personally present, at the Special Meeting in Lieu of the 2010 Annual Meeting of Shareholders of Cognex Corporation to be held on April 22, 2010 or at any postponement or adjournment thereof.

Shares represented by this proxy will be voted as directed by the shareholder. If no such directions are indicated, the shares represented by this proxy will be voted FOR the election of Robert J. Shillman and Anthony Sun.

In their discretion, the Proxies are authorized to vote upon such other business as may properly come before the meeting.

(Items to be voted appear on reverse side.)