



UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

DIVISION OF  
CORPORATION FINANCE

Mail Stop 3030

July 29, 2016

Via E-mail

Mr. Richard A. Morin  
Executive Vice President and Chief Financial Officer  
Cognex Corporation  
One Vision Drive  
Natick, Massachusetts 01760

**Re: Cognex Corporation  
Form 10-K for Fiscal Year Ended December 31, 2015  
Filed February 10, 2016  
File No. 001-34218**

Dear Mr. Morin:

We have completed our review of your filings. We remind you that our comments or changes to disclosure in response to our comments do not foreclose the Commission from taking any action with respect to the company or the filings and the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States. We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filings to be certain that the filings include the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/Brian Cascio

Brian Cascio  
Accounting Branch Chief  
Office of Electronics and Machinery