

COHERENT INC  
Form SC 13G/A  
January 25, 2016

January 25, 2016

Securities and Exchange Commission  
100 F Street NE  
Washington, DC 20549

RE: Amended Schedule 13G  
Coherent Inc.  
As of December 31, 2015

Gentlemen:

In accordance with Section 13(d)(5) of the Securities Exchange Act of 1934, attached please find a copy of Schedule 13G for the above named company showing beneficial ownership since the last filing, as of December 31, 2015, filed on behalf of Eagle Asset Management, Inc.

Very truly yours,

Damian Sousa  
Vice President  
Chief Compliance Officer  
Enclosures

cc: Office of the Corporate Secretary  
Coherent Inc.  
5100 Patrick Henry Drive  
Santa Clara, CA 95054

SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

Schedule 13G

Under the Securities Exchange Act of 1934  
(Amendment No. 11 )\*

Coherent Inc.  
(Name of Issuer)

Common Stock  
(Title of Class of Securities)

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192479103  
(CUSIP Number)

Check the following box if a fee is being paid with this statement \_\_\_\_\_. (A fee is not required only if the filing person: (1) has a previous statement on file reporting beneficial ownership of more than five percent of the class of securities described in Item 1; and (2) has filed no amendment subsequent thereto reporting beneficial ownership of five percent or less of such class.) (See Rule 13d-7.)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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CUSIP NO. 192479103 13G

1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Eagle Asset Management, Inc. 59-2385219

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\* (A) \_\_\_\_\_  
(B) \_\_\_\_\_

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

State of Florida

NUMBER OF SHARES	5	SOLE VOTING POWER	1,391,569
BENEFICIALLY OWNED	6	SHARED VOTING POWER	- - -
AS OF DECEMBER 31, 2015	7	SOLE DISPOSITIVE POWER	1,391,569
BY EACH REPORTING PERSON WITH	8	SHARED DISPOSITIVE POWER	- - -

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,391,569

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*  
[\_\_\_\_\_]

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11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

5.75%

12 TYPE OF REPORTING PERSON\*

IA

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\*SEE INSTRUCTION BEFORE FILLING OUT!

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Item 1(a) Name of Issuer:

Coherent Inc.

Item 1(b) Address of Issuer's Principal Executing Offices:

5100 Patrick Henry Drive  
Santa Clara, CA 95054

Item 2(a) Name of Person Filing:

Eagle Asset Management, Inc.

Item 2(b) Address of Principal Business Office:

880 Carillon Parkway  
St. Petersburg, Florida 33716

Item 2(c) Citizenship:

Florida

Item 2(d) Title of Class of Securities:

Common Stock

Item 2(e) CUSIP Number:

192479103

Item 3 Type of Reporting Person:

(e) Investment Adviser registered under Section 203 of the Investment  
Advisors Act of 1940

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Item 4 Ownership as of December 31, 2014

(a) Amount Beneficially Owned:

1,391,569 shares of common stock beneficially owned including:

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	No. of Shares			
	Eagle Asset Management, Inc.			1,391,569
(b)	Percent of Class:			5.75%
(c)	Deemed Voting Power and Disposition Power:			
	(i)	(ii)	(iii)	(iv)
	Deemed	Deemed	Deemed	Deemed
	to have	to have	to have	to have
	Sole Power	Shared Power	Sole Power	Shared Power
	to Vote or	to Vote or	to Dispose	to Dispose
	to Direct	to Direct	or to	or to
	to Vote	to Vote	Direct the	Direct the
			Disposition	Disposition

Eagle Asset Management, Inc.	1,391,569	----	1,391,569----
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Item 5                    Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following.

Item 6                    Ownership of More than Five Percent on Behalf of Another Person:

N/A

Item 7                    Identification and Classification of the Subsidiary which Acquired the Security Being Reported on by the Parent Holding Company:

N/A

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Item 8                    Identification and Classification of Members of the Group:    N/A

Item 9                    Notice of Dissolution of Group:    N/A

Item 10                  Certification:

By signing below I certify that to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

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Date: January 25, 2016

EAGLE ASSET MANAGEMENT, INC.

/s/ Damian Sousa

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Damian Sousa  
Vice President  
Chief Compliance Officer

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