COHERENT INC Form SC 13G/A January 07, 2015

January 7, 2015 Securities and Exchange Commission 100 F Street NE Washington, DC 20549 Amended Schedule 13G RE: Coherent Inc. As of December 31, 2014 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, 2014, 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. 10)* Coherent Inc. (Name of Issuer) Common Stock (Title of Class of Securities)

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).

Page 1 of 5 Pages 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 OF5SOLE VOTING POWERSHARES1,584,770ENEFICIALLY6SHARED VOTING POWER BENEFICIALLY OWNED _ _ _ AS OF DECEMBER 31, 2014 7 SOLE DISPOSITIVE POWER BY EACH 1.584.770 BY EACH 1,584,770 REPORTING 8 SHARED DISPOSITIVE POWER PERSON WITH _ _ _ 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,584,770 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* 10 [____]

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11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

6.31%

12 TYPE OF REPORTING PERSON*

ΙA

*SEE INSTRUCTION BEFORE FILLING OUT! Page 2 of 5 Pages Item 1(a) Name of Issuer: Coherent Inc. Address of Issuer's Principal Executing Offices: Item 1(b) 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 Title of Class of Securities: Item 2(d) Common Stock Item 2(e) CUSIP Number: 192479103 Type of Reporting Person: Item 3 (e) Investment Adviser registered under Section 203 of the Investment Advisors Act of 1940 Page 3 of 5 Pages Ownership as of December 31, 2014 Item 4 (a) Amount Beneficially Owned: 1,584,770 shares of common stock beneficially owned including:

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	No. of Shares Eagle Asset Management, Inc.			1,584,770	
(b)	Percent of Class:		6	6.31%	
(c)	Deemed Voting Power and Disposition Power:				
	(i)	(ii)	(iii) Deemed	(iv) Deemed	
	Deemed	Deemed	to have	to have	
	to have	to have	Sole Power	Shared Power	
	Sole Power	Shared Power	to Dispose	to Dispose	
	to Vote or	to Vote or	or to	or to	
	to Direct	to Direct	Direct the	Direct the	
	to Vote	to Vote	Disposition	Disposition	
Eagle Asset Management, Inc			1,584,770		
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.					
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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				
Page 4 of 5 Pages 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 belief, the securities referred to above were acquired course of business and were not acquired for purpose of				

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 7, 2015

EAGLE ASSET MANAGEMENT, INC.

/s/ Damian Sousa

Damian Sousa Vice President Chief Compliance Officer

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