MAXIM INTEGRATED PRODUCTS INC Form SC 13G/A February 10, 2012

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO. 5)*

Maxim Integrated Products, Inc.

(Name of Issuer)

Common Stock (Title of Class of Securities)

57772K101 (CUSIP Number)

December 31, 2011 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
x Rule 13d-1(b)
"Rule 13d-1(c)

" Rule 13d-1(d)

^{*} 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).

13G

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- 1 NAME OF REPORTING PERSON
 - S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON
 - Dodge & Cox 94-1441976
- 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
 - (a) " (b) "
 - N/A
- 3 SEC USE ONLY
- 4 CITIZENSHIP OR PLACE OF ORGANIZATION

California - U.S.A.

5 SOLE VOTING POWER

NUMBER OF

29,305,550

SHARES 6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY

0

7 SOLE DISPOSITIVE POWER

REPORTING

EACH

PERSON 31,461,350

8 SHARED DISPOSITIVE POWER

WITH

0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

31,461,350
CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

N/A
PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

10.8%
TYPE OF REPORTING PERSON*

ΙA

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Item 1(a) Maxim Integ	Name of Issuer: grated Products, Inc.
Item 1(b) 120 San Gal	Address of Issuer s Principal Executive Offices: oriel Drive
Sunnyvale,	CA 94086
Item 2(a) Dodge & Co	Name of Person Filing:
Item 2(b) 555 Californ	Address of the Principal Office or, if none, Residence: nia Street, 40th Floor
San Francisco	co, CA 94104
Item 2(c) California -	Citizenship: U.S.A.
Item 2(d) Common St	Title of Class of Securities:
Item 2(e) 57772K101	CUSIP Number:
Item 3	If the Statement is being filed pursuant to Rule 13d-1(b), or 13d-2(b), check whether the person filing is a:
	(e) x Investment Advisor registered under section 203 of the Investment Advisors Act of 1940
Item 4	Ownership:
31,461,350	(a) Amount Beneficially Owned:

(b) Percent of Class:

10.8%

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	(c) Number of shares as to which such person has:
	(i) sole power to vote or direct the vote: 29,305,550
	(ii) shared power to vote or direct the vote: 0
	(iii) sole power to dispose or to direct the disposition of: 31,461,350
	(iv) shared power to dispose or to direct the disposition of: 0
Item 5 Not applic	Ownership of Five Percent or Less of a Class: cable.
	Ownership of More than Five Percent on Behalf of Another Person: s of Dodge & Cox, including investment companies registered under the Investment Company Act of 1940 and other managed have the right to receive or power to direct the receipt of dividends from, and the proceeds from the sale of, Maxim Integrated Inc.
	Cox Stock Fund, an investment company registered under the Investment Company Act of 1940, has an interest of 17,296,400, or he class of securities reported herein.
Item 7 Not applic	Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company: cable.
Item 8 Not applic	Identification and Classification of Members of the Group: cable.
Item 9 Not applic	Notice of Dissolution of a Group: cable.
Item 10 By signing	Certification: g 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 the 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 purpose or effect.

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.

Dated: February 10, 2012

DODGE & COX

By: /s/ Thomas M. Mistele
Name: Thomas M. Mistele
Title: COO & Senior Counsel

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