DODGE & COX Form SC 13G/A February 11, 2009

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO. _2_)*

Maxim Integrated Products, Inc.

(Name of Issuer)

Common shares

(Title of Class of Securities)

57772K101

(CUSIP Number)

December 31, 2008

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

(however, see the Notes).

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			

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CUSIP No. 57772K101

1	Name of Reporting Person		
	S.S. OR I.R.S. I	dentification No. of above person	
2		x 94-1441976 opriate Box if a Member of a Group*	
	N/A SEC Use Only Citizenship or P	Place of Organization	
	California	U.S.A. 5 Sole Voting Power	
N	IUMBER OF	39,913,100 6 Shared Voting Power	
BE	SHARES	102,9007 Sole Dispositive Power	
	OWNED BY	42,567,600 8 Shared Dispositive Power	
	EACH REPORTING	0	
	PERSON		
	WITH		
9	Aggregate Amo	ount Beneficially Owned by Each Reporting Person	

42,567,600

¹⁰ Check box if the Aggregate Amount in Row (9) Excludes Certain Shares*

N/A
11 Percent of Class Represented by Amount in Row 9

13.5%
12 Type of Reporting Person*

IΑ

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Name of Issuer: Item 1(a) Maxim Integrated Products, Inc. Item 1(b) Address of Issuer s Principal Executive Offices: 120 San Gabriel Drive Sunnyvale, CA 94086 Item 2(a) Name of Person Filing: Dodge & Cox Item 2(b) Address of the Principal Office or, if none, Residence: 555 California Street, 40th Floor San Francisco, CA 94104 Item 2(c) Citizenship: California U.S.A. Item 2(d) Title of Class of Securities: Common shares Item 2(e) **CUSIP Number:** 57772K101 If the Statement is being filed pursuant to Rule 13d-1(b), Item 3 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:

(b) Percent of Class: 13.5%

42,567,600

Amount Beneficially Owned:

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- (c) Number of shares as to which such person has:
- (i) sole power to vote or direct the vote: 39,913,100
- (ii) shared power to vote or direct the vote: 102,900
- (iii) sole power to dispose or to direct the disposition of: 42,567,600
- (iv) shared power to dispose or to direct the disposition of: 0
- Item 5 Ownership of Five Percent or Less of a Class: Not applicable.
- Item 6 Ownership of More than Five Percent on Behalf of Another

Person:

Securities reported on this Schedule 13G are beneficially owned by clients of Dodge & Cox, which clients may include investment companies registered under the Investment Company Act and/or employee benefit plans, pension funds, endowment funds or other institutional clients.

- Item 7

 Identification and Classification of the Subsidiary Which
 Acquired the Security Being Reported on By the Parent
 Holding Company:
 Not applicable.
- Item 8 <u>Identification and Classification of Members of the Group:</u> Not applicable.
- Item 9 <u>Notice of Dissolution of a Group:</u> Not applicable.
- Item 10 <u>Certification:</u>

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 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.

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.

Dated: February 11, 2009

DODGE & COX

By: /S/ THOMAS M. MISTELE Name: Thomas M. Mistele Title: General Counsel & COO

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