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ANALOG DEVICES INC Form S-8 POS June 29, 2010

As filed with the Securities and Exchange Commission on June 29, 2010

Registration No. 333-46520

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Post-Effective Amendment No. 1

to

FORM S-8 REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933 Analog Devices, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Massachusetts

(State or other jurisdiction of incorporation or organization)

One Technology Way, Norwood, MA

(Address of principal executive offices)

Analog Devices, Inc. 1992 Employee Stock Purchase Plan (Full Title of the Plan) Margaret K. Seif One Technology Way Norwood, MA 02062 (Name and Address of Agent For Service)

(781) 329-4700

(Telephone Number, Including Area Code, of Agent For Service)

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act.

Large accelerated filer þ	Accelerated filer o	Non-accelerated filer o	Smaller reporting
			company o
		(Do not check if a smaller	
		reporting company)	

04-2348234

(I.R.S. Employer Identification No.)

02062-9106

(Zip Code)

DEREGISTRATION OF UNSOLD SECURITIES

Pursuant to the undertakings made by Analog Devices, Inc. (the Company) in the Registration Statement on Form S-8 (File No. 33-46520) (the Registration Statement) filed in connection with the Company s 1992 Employee Stock Purchase Plan (the ESPP), this Post-Effective Amendment No. 1 to the Registration Statement is being filed to deregister the remaining 717,086 unsold shares of common stock of the Company, \$0.16 2/3 par value per share, offered under the ESPP. The ESPP was terminated by the Board of Directors of the Company on June 8, 2010.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933 and Rule 478 thereunder, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this post-effective amendment to the registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in Norwood, Massachusetts, on this 29th day of June, 2010.

ANALOG DEVICES, INC.

By: /s/ Jerald G. Fishman Jerald G. Fishman President and Chief Executive Officer (Principal Executive Officer)