AS FILED WITH THE SECURITIES AND EXCHANGE COMMISSION ON MAY 30, 1996 REGISTRATION NO. 333-

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-8

REGISTRATION STATEMENT

UNDER

THE SECURITIES ACT OF 1933

ANALOG DEVICES, INC.

(Exact name of issuer as specified in its charter)

Massachusetts ______

04-2348234

incorporation or organization)

(State or other jurisdiction of $(I.R.S.\ Employer\ Identification\ No.)$

One Technology Way, Norwood, MA

02062-9106

(Address of Principal Executive Offices)

(Zip Code)

AMENDED 1988 STOCK OPTION PLAN

(Full title of the plan)

Paul P. Brountas, Esq., c/o Hale and Dorr 60 State Street, Boston, Masssachusetts 02109

(Name and address of agent for service)

(617) 526-6000

(Telephone number, including area code, of agent for service)

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered	Proposed Maximum Offering Price Per Share (1)	Maximum Aggregate Offering Price (1)	Amount of Registration Fee (1)	
Common Stock, \$.16 2/3 par value	6,900,000 Shares	\$28.25	\$194,925,000	\$67,215.52	-

(1) Estimated solely for the purpose of calculating the registration fee in accordance with sections (c) and (h) of Rule 457 of the Securities Act of 1933, as amended, and based on the average of the high and low sale prices of the Common Stock on the New York Stock Exchange on May 24, 1996.

> Page 1 of 8 Exhibit Index on Page

Statement of Incorporation by Reference

This Registration Statement on Form S-8 incorporates by reference the contents of (i) a Registration Statement on Form S-8, File No. 33-22605, (ii) a Registration Statement on Form S-8, File No. 33-39852 and (iii) a Registration Statement on Form S-8, File No. 33-60642, such Registration Statements relating to the Registrant's 1988 Stock Option Plan.

Page 2 of 8 Exhibit Index on Page

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, 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 Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Norwood, Commonwealth of Massachusetts, on this 29th day of May, 1996.

ANALOG DEVICES, INC.

By: /s/ Ray Stata

Ray Stata

Chairman of the Board and Chief Executive Officer

Page 3 of 8 Pages

POWER OF ATTORNEY

We, the undersigned officers and directors of Analog Devices, Inc., hereby severally constitute and appoint Ray Stata, Jerald G. Fishman and Joseph E. McDonough, and each of them singly, our true and lawful attorneys with full power to them, and each of them singly, to sign for us and in our names, in the capacities indicated below, the Registration Statement filed herewith, and any and all amendments (including post-effective amendments) to said Registration Statement (or any other Registration Statement for the same offering that is to be effective upon filing pursuant to Rule 462(b) under the Securities Act of 1933) and generally to do all such things in our names and behalf in our capacities as officers and directors to enable Analog Devices, Inc. to comply with the Securities Act of 1933, and all requirements of the Securities and Exchange Commission, hereby ratifying and confirming our signatures as they may be signed by our said attorneys, or any of them, to any such Registration Statement and any and all amendments thereto.

Witness our hands and common seal on the date set forth below.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

	Signature	Title	Date			
(i)	Principal Executive Officers					
/s/	Ray Stata	Chairman of the Board	,)		
		Chief Executive Offic	er,)		
	Ray Stata	and Director	,) May 2	29,	1996
			;))		
/s/	Jerald G. Fishman	President, Chief Oper	ating ³)		
		Officer and Director	acing ;)		
	Jerald G. Fishman	orrigor and birector	;)		
			;)		

Page 4 of 8 Pages

(ii) Principal Financial Officer and Principal Accounting Officer))))
/s/ Joseph E. McDonough Joseph E. McDonough	Vice President-Finance and Chief Financial Officer	,))) May 29, 1996)
(iii) Board of Directors)))
/s/ John L. Doyle John L. Doyle	Director))))
/s/ Samuel H. Fuller Samuel H. Fuller	Director)) May 29, 1996))
/s/ Philip L. Lowe	Director))
Philip L. Lowe		
/s/ Gordon C. McKeague	Director)))
Gordon C. McKeague)))
/s/ Joel Moses	Director	,))
Joel Moses		
/s/ Lester C. Thurow	Director	,))
Lester C. Thurow	;))

Page 5 of 8 Pages

EXHIBIT INDEX

Exhibit Number	Description
4.01	Restated Articles of Organization of the Registrant, as amended.
4.02	By-Laws of the Registrant, as amended (incorporated herein by reference to the Registrant's Form 10-K for the fiscal year ended October 31, 1992).
4.03	Rights Agreement, as amended, between the Registrant and The First National Bank of Boston, as Rights Agent (incorporated herein by reference to a Form 8 filed on June 27, 1989 amending the Registration Statement on Form 8-A relating to Common Stock Purchase Rights).
5.01	Opinion of Hale and Dorr.
23.01	Consent of Hale and Dorr (included in Exhibit 5.01).
23.02	Consent of Ernst & Young LLP.
24.01	Powers of Attorney (included on pages 4-5).

Page 6 of 8 Pages

KEVIN H. WHITE

Secretary of the Commonwealth

STATE HOUSE BOSTON, MASS.

ARTICLES OF ORGANIZATION

We, Sylvia M. Sherriff, Lida P. Underhill, Burton L. Williams and John M. Barnes, Jr. being a majority of the directors of Analog Devices, Inc. elected at its first meeting, in compliance with the requirements of General Laws, Chapter 156, Section 10, hereby certify that the following is a true copy of the agreement of association to form said corporation, with the names of the subscribers thereto:

We, whose names are hereto subscribed, do, by this agreement, associate ourselves with the intention of forming a corporation under the provisions of General Laws, Chapter 156.

The name by which the corporation shall be known is Analog Devices, Inc.

The location of the principal office of the corporation in Massachusetts is to be in the city Cambridge, and outside Massachusetts,

[The business address of the corporation is to be

221 Fifth Street, Cambridge, Massachusetts

Street and number (if office building, give room number), city or town.

If such business address is not yet determined, give the name and business address of the treasurer or other officer to receive mail.

Name and title of officer to receive mail and his complete business address

The purpose for which the corporation is formed and the nature of the business to be transacted by it are as follows:

To carry on a general manufacturing and merchandising business and any business incidental thereto or in any way connected therewith, including, but without limiting the generality of the foregoing purpose, the trade or business of producing, manufacturing, adapting, preparing, forming, processing, treating, finishing, converting, testing, and otherwise acquiring, owing, holding, consuming, disposing of and dealing in, and in interests in, electronic devices and components and any and all other goods, articles, materials, equipment, compounds or substances required for, or convenient in connection with or incidental to any of the foregoing, and any other trade or business which can conveniently be carried on in conjunction with any of the matters aforesaid or in or upon the premises of the corporation.

To apply for, purchase or in any manner to acquire, outright or by way of lease, license or otherwise, patents, trademarks, trade names, copyrights, secret processes, inventions, formulae, and improvements of any and every nature which may be necessary, convenient, incidental or advantageous to the Corporation or for effecting any of its purposes; and to grant or license the same to others.

To construct, lease, purchase or otherwise acquire real estate and personal property of any nature, or any interest therein, without limit as to amount or value, reasonably necessary or convenient for effecting or furthering any or all of the purposes and powers of the Corporation. To purchase, lease or otherwise acquire, in whole or in part, as a going concern or otherwise, the business, good-will, rights, franchises, stocks, bonds or other securities issued by, and the property of every kind, and assume the whole or any part of the liabilities of, any person, firm, association or Corporation engaged in or authorized to conduct any business identical with or similar to any business authorized to be conducted by this Corporation or owning property necessary or suitable for its purposes, and to exercise all powers

necessary or incidental to the conduct of such business. To hold, own, use, manage, operate, improve, lease, license, mortgage, sell, dispose of or otherwise turn to account or deal with all or any part of the property of the Corporation or any interest therein.

Insofar as may be permitted by law, to borrow money or otherwise incur indebtedness or liability for effecting any of its corporate purposes or powers; to make, accept, indorse, execute and issue promissory notes, bills of exchange, bonds, debentures or other obligations from time to time, for the purchase of property, or for effecting any of its corporate purposes or powers; and, if deemed proper, to secure the payment of any such obligations by mortgage, pledge, deed of trust, or other hypothecation of any or all of the property of the Corporation. Insofar as may be permitted by law, to purchase, or otherwise acquire shares of its capital stock or its bonds, debentures or other obligations and to hold, reissue, resell, exchange, mortgage, pledge hypothecate, dispose of, cancel, retire or redeem the same.

Insofar as may be permitted by law, to enter into, make, perform and carry out contracts of any kind with, and to act as agent for, any person, firm, association or corporation, whether private, public, quasi-public or municipal, or body politic, whether foreign or domestic, and with and for any domestic or foreign state or government or territory or colony thereof. To conduct its business in all branches, so far as permitted by law, in the Commonwealth of Massachusetts, and in any other commonwealth or state in or of the United States, and in any Territory, district, dependency, colony or possession thereof, and in any foreign country, and to maintain offices and agencies in any part of the world, either within or without the Commonwealth of Massachusetts, and to purchase, hold, mortgage, convey, lease, sell or otherwise dispose of and deal with real and personal property in any such place or places.

In furtherance and not in limitation of these purposes and powers, to do any and all things and exercise any and all powers necessary, convenient or advisable to accomplish one or more of the purposes of the Corporation, or which shall at any time appear to be for the benefit of the Corporation in connection therewith, which may now or hereafter be lawful for the Corporation to do or exercise under and in pursuance of the laws of the Commonwealth of Massachusetts, but in no way to carry on the business of a real estate corporation as provided in G.L. Ch. 56-S.7.

To guarantee loans and other obligations of any person, firm or corporation, in which the Corporation has a financial interest.

The total capital stock to be authorized is as follows:

WITHOUT PAR VALUE WITH PAR VALUE

CLASS OF NUMBER OF NUMBER OF PAR VALUE AMOUNT SHARES ST0CK SHARES ______ Preferred None None None ______ 7,500 None None ______

Restrictions, if any, imposed upon the transfer of shares:

Any stockholder, including the heirs, assigns, executors or administrators of a deceased stockholder, desiring to sell or transfer any stock owned by him or them, shall first offer it to the corporation through the Board of Directors, in the manner following:

He shall notify the directors of his desire to sell or transfer by notice in writing, which notice shall contain the price at which he is willing to sell or transfer and the name of one arbitrator. The Directors shall within thirty (30) days thereafter either accept the offer, or by notice to him in writing name a second arbitrator, and these two shall name a third. It shall then be the duty of the arbitrators to ascertain the value of the stock, and if any arbitrator shall neglect or refuse to appear at any meeting appointed by the arbitrators, a majority may act in the absence of such arbitrator.

After the acceptance of the offer, or the report of the arbitrators as to the value of the stock, the directors shall have thirty days within which to purchase the same at such valuation, but if at the expiration of thirty days, the corporation shall not have exercised the rights so to purchase, the owner of the stock shall be at liberty to dispose of the same in any manner he may see fit.

No shares of stock shall be sold or transferred on the books of the corporation until these provisions have been complied with, but the Board of Directors may in any particular instance waive the requirement. A DESCRIPTION OF THE DIFFERENT CLASSES OF STOCK, IF THERE ARE TO BE TWO OR MORE CLASSES, AND A STATEMENT OF THE TERMS ON WHICH THEY ARE TO BE CREATED AND OF THE METHOD OF VOTING THEREON:

OTHER LAWFUL PROVISIONS, IF ANY, FOR THE CONDUCT AND REGULATION OF THE BUSINESS OF THE CORPORATION, FOR ITS VOLUNTARY DISSOLUTION, OR FOR LIMITING, DEFINING, OR REGULATING THE POWERS OF THE CORPORATION, OR OF ITS DIRECTORS OR STOCKHOLDERS, OR OF ANY CLASS OF STOCKHOLDERS:

[IF SEVEN DAY'S NOTICE IS GIVEN, COMPLETE THE FOLLOWING PARAGRAPH.]

THE FIRST MEETING SHALL BE CALLED BY OF

[IF NOTICE IS WAIVED, FILL IN THE FOLLOWING PARAGRAPH.]

We hereby waive all requirements of the General Laws of Massachusetts for notice of the first meeting of the incorporators for the purpose of organization, and appoint the 18th day of January, 1965, at 10:00 o'clock A.M., at Room 522, 80 Federal Street, Boston, Massachusetts as the time and place for holding such first meeting.

The names and residences of the incorporators and the amount of stock subscribed for by each are as follows:

NAME FIRST NAME MUST WRITTEN IN FULI		AMOUNT OF SUBSCRIBED PREFERRED	
Sylvia M. Sherri	ff 28 Dow Avenue Arlington, Mass.	0	0
Lida P. Underhil	l 56 South Russell S Boston, Mass.	Street 0	0
Burton L. William	ms 17 Dane Road Lexington, Mass.	0	0
John M. Barnes, .	Jr. 15 Oak Street Marblehead, Mass.	0	0

IN	WITNESS	WHEREOF	we	hereto	sign	our	names,	this	18th	day	of
January,	1965.										

/s/
Sylvia M. Sherriff
/s/
Lida P. Underhill
/s/
Burton L. Williams
/s/
John M. Barnes, Jr.

And we further certify that:

The first meeting of the subscribers to said agreement was held on the 18th day of January 1965.

The amount of capital stock now to be issued is as follows:

NUMBER OF SHARES
CLASS OF STOCK WITHOUT PAR VALUE WITH PAR VALUE

Preferred 0 0

Common 95 0

Preferred Common

27

68

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TO BE PAID FOR:
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IN CASH:

In full

By installments

Amount of installment to be paid before commencing

business

IN PROPERTY:

REAL ESTATE

Location Area

PERSONAL PROPERTY:

Accounts receivable

Notes receivable

Merchandise

Supplies

Securities

Machinery

Motor vehicles and trailers

Equipment and tools

Furniture and fixtures

patent rights

Trademarks

Copyrights

Goodwill

(1) IN SERVICES

(2) IN EXPENSES

(1) No stock shall be at any time issued unless the cash, so far as due, or the property, services or expenses for which it was authorized to be issued, has been actually received or incurred by, or conveyed or rendered to, the corporation, or is in its possession as surplus; nor shall any note or evidence of indebtedness, secured or unsecured, of any person to whom stock is issued, be deemed to be payment therefor; and the president, treasurer and directors shall be jointly and severally liable to any stockholder of the corporation for actual damages caused to him by such issue.

(2) SERVICES and EXPENSES: Services must have been rendered and expenses incurred before stock is issued therefor. State clearly the nature of such services or expenses and the amount of stock to be issued therefor. The name, residence, and post office address of each of the officers of the corporation is as follows:

NAME	DOMICIL ACTUAL PLACE OF RESIDENCE MUST BE GIVEN	POST OFFICE ADDRESS HOME OR BUSINESS
PRESIDENT Sylvia M. Sherriff	28 Dow Avenue Arlington, Mass.	Same
TREASURER Matthew Lorber	60 Brattle Street Cambridge, Mass.	Same
CLERK Burton L. Williams	17 Dane Road Lexington, Mass.	Same
DIRECTORS Sylvia M. Sherriff	28 Dow Avenue Arlington, Mass.	Same
Lida P. Underhill	56 South Russell St. Boston, Mass.	Same
Burton L. Williams	17 Dane Road Lexington, Mass.	Same
John M. Barnes, Jr.	15 Oak St. Marblehead, Mass.	Same

- e. We, bring a majority of the directors of Analog Devices, Inc. do hereby certify that the provisions of sections eight and nine of Chapter 156 relative to the calling and holding of the first meeting of the corporation, and the election of a temporary clerk the adoption of by-laws and the election of officers have been complied with.
- f. The final day of the corporation's fiscal year is October 31 and the date provided in the by-laws for the annual meeting is the third Wednesday of November.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we hereto sign our names this 18th day of January, 1965.

/s/ Sylvia M. Sheriff

Sylvia M. Sherriff

/s/ Lida P. Underhill

Lida P. Underhill

/s/ Burton L. Williams

Burton L. Williams

/s/ John M. Barnes, Jr.

John M. Barnes, Jr.

ARTICLES OF ORGANIZATION

GENERAL LAWS, CHAPTER 156, SECTION 10

I hereby certify that, upon an examination of the within-written articles of organization, duly submitted to me, it appears that the provisions of the General Laws relative to the organization of corporations have been complied with, and I hereby approve said articles and cause them to be recorded and filed when validated.

/s/ Kevin H. White

Secretary of the Commonwealth

Kevin H. White

Secretary of the Commonwealth

State House, Boston, Mass.

ISSUE OF CAPITAL STOCK

This certificate must be submitted to the Secretary of the Commonwealth within thirty days after the date of the vote of the directors, in accordance with General Laws, Chapter 156, Section 16.

The filing fee to accompany this Certificate is \$25.00. Make check payable to THE COMMONWEALTH OF MASSACHUSETTS.

We, Sylvia M. Sherriff, President, Matthew Lorber, Treasurer

Sylvia M. Sherriff, Lida P. Underhill, John M. Barnes, Jr. and Burton L. Williams, being a majority of the directors of ANALOG DEVICES, INC.

located at 221 Fifth Street, Cambridge, Massachusetts in compliance with the provision of General Laws, Chapter 156, Section 16, do hereby certify that at a meeting of the stockholders of the corporation held on March 10, 1965 it was voted to issue five shares of Class A Common and one hundred shares of Class B Common shares without par value of its authorized capital stock, this amount being in addition to amounts previously issued and the certificates therefor filed in the office of the Secretary of the Commonwealth; and that

The total amount of capital stock (None shares common authorized is (7,500 common shares without (3750a and 3750b) (par value

(None shares preferred

The amount of capital stock (None shares common already issued for cash (None shares without par

payable by installments is

The amount paid thereon is \$	(\$ (\$	None None	paid o	on commo	ferred stoon on stock es without	
The amount of fully paid stock already issued for cash is	۲(None 27 cc	shares	a shares	า	
for property is	(None 68 cc	share		erred on s without	
for services and expenses	s is	s (None None	shares	preferred common without	d
We further certify that the an issued for cash, property, ser						ock to be
WITH PAR VALUE		(None	shares	preferred	d
\$		(None	shares	common	
Amount of additional issue WITHOUT PAR VALUE		(None 105	shares shares	preferred common	d
TO BE PAID FOR:				PREFE	ERRED	COMMON
IN CASH: In full By installments Amount of first inst IN PROPERTY: REAL ESTATE: Location Area	all	Lment.		27	7	
PERSONAL PROPERTY: Accounts receivable Notes receivable Merchandise Supplies	 	 		78	3	

Machinary	
Machinery	
Motor vehicles and trailers	
Equipment and tools	
Furniture and fixtures	
Patent rights	
Trademarks	
Copyrights	
Goodwill	
Stock Dividend	
(Show Balance Sheet on Page 3)	
2)IN SERVICES	
2)IN EXPENSES	
,	

- (1) No stock shall be at any time issued unless the cash, so far as due, or the property, services or expenses for which it was authorized to be issued, has been actually received or incurred by, or conveyed or rendered to, the corporation, or is in its possession as surplus; nor shall any note or evidence of indebtedness, secured or unsecured, of any person to whom stock is issued, be deemed to be payment therefor; and the president, treasurer and directors shall be jointly and severally liable to any stockholder of the corporation for actual damages caused to him by such issue.
- (2) SERVICES AND EXPENSES: Services must have been rendered and expenses incurred before stock is issued therefor. State clearly the nature of such services or expenses and the amount of stock to be issued therefor.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names, this tenth day of March in the year 1965.

/s/ Sylvia M. Sherriff

Sylvia M. Sherriff

/s/ Matthew Lorber

Matthew Lorber

/s/ Lida P. Underhill

Lida P. Underhill

/s/ John M. Barnes, Jr.

John M. Barnes, Jr.

/s/ Burton L. Williams

Burton L. Williams

-4-

ISSUE OF CAPITAL STOCK

GENERAL LAWS, CHAPTER 156, SECTION 16

I hereby and herewith approve and file the within certificate this tenth day of March 1965.

/s/ Kevin H. White Secretary of the Commonwealth

DEPARTMENT OF CORPORATION AND TAXATION

240 State House, Boston 33, Mass.

ISSUE OF CAPITAL STOCK

This certificate must be submitted to the Commissioner of Corporation and Taxation within thirty days after the date of the vote of the directors, in accordance with General Laws, Chapter 156, Section 16.

The filing fee to accompany this Certificate is \$25.00. Make check payable to THE COMMONWEALTH OF MASSACHUSETTS.

We, MATTHEW LORBER, President, RAYMOND STATA, Treasurer

MATTHEW LORBER RAYMOND STATA SYLVIA M. SHERRIFF

being a majority of the directors of

ANALOG DEVICES, INC.

located at 221 Fifth Street, Cambridge, Massachusetts in compliance with the provision of General Laws, Chapter 156, Section 16, do hereby certify that at a meeting of the directors of the directors of the corporation held on the twenty-fourth day of March, 1965 it was voted to issue 7 Class A Common and dollars and 7 Class B Common shares without par value of its authorized capital stock, this amount being in addition to amounts previously issued and the certificates therefor filed in the office of the Secretary of the Commonwealth; and that

None shares preferred

The total amount of capital stock (None shares common authorized is (7,500 shares without par value)

(None shares preferred

The amount of capital stock already(None shares common issued for cash payable by (None shares without par installments is (value

The amount	paid thereon is	(\$	None	paid on preferred stock paid on common stock \$ paid on shares without par value
	of fully paid stock issued for cash is	k	(((None shares preferred None shares common 54 common shares without par value
for p	property is (No	one 46 (shaı	res preferred res common n shares without lue
for s	services and expense	s i	(S (None shares preferred None shares common None shares without par value
	certify that the arcash, property, se			additional capital stock to be or expenses is:
	WITH PAR VALUE	(None None None	•
Amount of	additional issue	(
	WITHOUT PAR VALUE	(shares preferred
		(14	shares common
TO BE PAID	FOR:			PREFERRED COMMON
IN CA	ASH: In full By installments Amount of first ins			
IN PF	ROPERTY: REAL ESTATE: Location Area			

PERSONAL PROPERTY:
Accounts receivable
Notes receivable
Merchandise
Supplies
Securities
Machinery
Motor vehicles and trailers
Equipment and tools
Furniture and fixtures
Patent rights
Trademarks
Copyrights
Goodwill
Stock Dividend
(Show Balance Sheet on Page 3)

(2)IN	SERVICES for	consu	ulting	services	in	
	the amou	ınt of	\$5,185	5.32		1
(2)N	EXPENSES					

- (1) No stock shall be at any time issued unless the cash, so far as due, or the property, services or expenses for which it was authorized to be issued, has been actually received or incurred by, or conveyed or rendered to, the corporation, or is in its possession as surplus; nor shall any note or evidence of indebtedness, secured or unsecured, of any person to whom stock is issued, be deemed to be payment therefor; and the president, treasurer and directors shall be jointly and severally liable to any stockholder of the corporation for actual damages caused to him by such issue.
- (2) SERVICES AND EXPENSES: Services must have been rendered and expenses incurred before stock is issued therefor. State clearly the nature of such services or expenses and the amount of stock to be issued therefor.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names, this twenty-fourth day of March in the year 1965.

/s/ Matthew Lorber					
Matthew Lorber					

/s/ Ray Stata
Ray Stata
/s/ Sylvia M. Sherriff
Sylvia M. Sherriff

THE COMMONWEALTH OF MASSACHUSETTS

WRITE NOTHING BELOW

Analog Devices, Inc.

JOHN F. X. DAVOREN SECRETARY OF THE COMMONWEALTH

STATE HOUSE, BOSTON, MASS.

RESTATED ARTICLES OF ORGANIZATION

GENERAL LAWS, CHAPTER 156B, SECTION 74

This certificate must be submitted to the Secretary of the Commonwealth within sixty days after the date of the vote of stockholders adopting the restated articles or organization. The fee for filing this certificate is prescribed by General Laws, Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts.

We, Matthew Lorber, President and J. Barry Morrissey, Assistant clerk of

ANALOG DEVICES, INC.

located at 241 Binney Street, Cambridge, Massachusetts do hereby certify that the following restatement of the articles of organization of the corporation was duly adopted by unanimous consent on October 29, 1968, by vote of 170 shares of Class A Common out of 170 shares outstanding, and 166 shares of Class B Common Stock out of 166 shares outstanding being at least two-thirds of each class of stock outstanding and entitled to vote and of each class of series of stock adversely affected thereby:

- 1. The name by which the corporation shall be known is: Analog Devices, Inc.
- 2. The purposes for which the corporation is formed are as follows: To manufacture, produce, assemble, fabricate, import, lease, purchase or otherwise acquire; to invest in, own, hold, use, license the use of, install, handle, maintain, service or repair; to sell, pledge, mortgage, exchange, export, distribute, lease, assign and otherwise dispose of, and generally to trade and deal in and with, the principal or agent, at wholesale, retail, on commission or otherwise, electronic systems, equipment and components, and electrical and electro-mechanical apparatus and equipment of all kinds and descriptions, electronics, telecommunications, communications and similar equipment of all descriptions, supplies, parts, equipment, apparatus, machinery improvements, appliances, tools, and goods, wares, merchandise,

commodities, articles of commerce and property of every kind and description, and any and all products, machinery, equipment and supplies used or useful in connection therewith: and

To have and to exercise, without limitation, all of the powers granted by Massachusetts law to business corporations, including those powers set forth in section 9 of G.L., Ch. 156B, and in any amendment thereof or addition thereto.

3. The total number of shares and par value, if any, of each class of stock which the corporation is authorized to issue is as follows:

WITHOUT PAR	VALUE	WITH PAR VALUE	
CLASS OF STOCK	NUMBER OF SHARES	NUMBER OF SHARES	PAR VALUE
Preferred			
Common	1,500,000	\$.25	

*4. If more than one class is authorized, a description of each of the different classes of stock with, if any, the preferences, voting powers, qualifications, special or relative rights or privileges as to each class thereof and any series now established:

None.

*5. The restrictions, if any, imposed by the articles of organization upon the transfer of shares of stock of any class are as follows:

None.

*6. Other lawful provisions, if any, for the conduct and regulation of the business and affairs of the corporation, for its voluntary dissolution, or for limiting, defining, or regulating the powers of the corporation, or of its directors or stockholders, or of any class of stockholders:

See continuation sheet, items 6A through 6C.

6A. INDEMNIFICATION.

The Corporation shall indemnify any and all of its directors or officers or former directors or officers or any person who may have served at its request as a director or officer of another corporation (and his heirs or personal representatives) in which it owns shares of capital stock or of which it is a creditor against expenses, including the amount of any judgement, payment in settlement, and attorney's fees, actually and reasonably incurred by them in connection with the defense of any action, suit or proceeding in which they, or any of them are made parties, or a party, by reason of being or having been directors or officers or a director or officer of the Corporation, or of such other corporation, except in relation to matters as to which any such director or officer or former director or officer or person shall be adjudged in such action, suit or proceeding (or by independent counsel, if the matter is settled or compromised) not to have acted in good faith in the performance of duty.

6B. STOCKHOLDERS' MEETINGS

Meetings of Stockholders of the Corporation may be held any where in the United States.

6C. AMENDMENT OF BY-LAWS

The power to make, amend or repeal by-laws shall be in the Stockholders, provided, however, that the by-laws may provide that the directors may make, amend or repeal the by-laws in whole or in part, except with respect to any provisions thereof which according to law, the Articles of Organization or by-laws requires action by the Stockholders.

*We further certify that the foregoing restated articles of organization effect no amendments to the articles or organization of the corporation as heretofore amended, except amendments to the following articles 2, 3, 4, 5 and 6. (*If there are no such amendments, state "None".)

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this 30th day of October, in the year 1968.

/s/ Matthew Lorber	President
/s/ Barry Morrissey	Assistant Clerk

RESTATED ARTICLES OF ORGANIZATION (General Laws, Chapter 156B, Section 74)

I hereby approve the within restated articles of organization and the filing fee in the amount of \$850.00 having been paid, said articles are deemed to have been filed with me this 31st day of October, 1968.

/s/ John T. X. Davoren

Secretary of the Commonwealth State House, Boston, Mass.

Return to:

J. Barry Morrissey, Esq. Hale and Dorr 60 State Street Boston, Massachusetts

JOHN F.X. DAVOREN

Secretary of the Commonwealth STATE HOUSE, BOSTON, MASS.

ARTICLES OF AMENDMENT

General Laws, Chapter 156B, Section 72

This certificate must be submitted to the Secretary of the Commonwealth within sixty days after the date of the vote of stockholders adopting the amendment. The fee for filing this certificate is prescribed by General Laws, Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts.

We, Emil B. Rechsteiner, President and Paul P. Brountas, clerk of

ANALOG DEVICES, INC.

located at 241 Binney Street, Cambridge, Massachusetts do hereby certify that the following amendment to the articles of organization of the corporation was duly adopted at a meeting held on January 24, 1969, by vote of 766,278 shares of Common Stock out of 791,556 shares outstanding,

CROSS OUT being at least two-thirds of each class outstanding

INAPPLICABLE and entitled to vote thereon and of each class or

CLAUSE series of stock whose rights are adversely affected

thereby:

See continuation sheets 2A, 2B and 2C hereto.

FOR INCREASE IN CAPITAL FILL IN THE FOLLOWING:

The total amount of capital stock already authorized is	(<u>1,500,000</u> (<pre>preferred) common))</pre>	with par value
2000. 42. 644, 446	(<pre>preferred) common))</pre>	without par value
The amount of additional capital stock authorized is	(500,000 (1,500,000 (<pre>preferred) common))</pre>	with par value
•	(<pre>preferred) common))</pre>	without par value

VOTED: To amend the Articles of Organization of this corporation, as amended, by (1) increasing the authorized Common Stock, \$.25 par value, of the corporation by 1,500,000 shares, (2) authorizing a new class of Preferred Stock of 500,000 shares, \$1.00 par value, and (3) reducing the par value per share of the Common Stock of the corporation from \$.25 to \$.16 2/3 par value per share, so that after the effective date of this amendment the total number of shares of capital stock which the corporation shall have authority to issue shall be as follows:

Class of Stock	Number of Shares	Par Value Per Share
Preferred Stock	500,000	\$1.00
Common Stock	3,000,000	.16 2/3

FURTHER

VOTED: To further amend the Articles of Organization of this corporation, as amended, by amending Section 4 of said Articles of Organization to read as follows:

"4. If more than one class is authorized, a description of each of the different classes of stock with, if any, the preferences, voting powers, qualifications, special or relative rights or privileges as to each class thereof and any series now established:

Rights, Preferences, Limitations and Restrictions on Capital Stock.

The following is a statement of the designations and the powers, preferences and rights and the qualifications, limitations or restrictions thereof, in respect of the authorized capital stock of the corporation.

A. Issuance in Series.

The Preferred Stock may be issued in one or more series at such time or times and for such consideration or considerations as the Board of Directors may determine. Each series shall be so designated as to distinguish the shares thereof from the shares of all other series and classes. Except as to the relative rights and preferences referred to in paragraph B below, in respect of any or all of which there may be variations between different series, all shares of Preferred Stock shall be identical. Different series of Preferred Stock shall not be construed to constitute different classes of shares for the purpose of voting by classes.

B. Authority to Establish Variations Between Series.

The Board of Directors is expressly authorized, subject to the limitations prescribed by law and the provisions of these Articles of Organization, to provide by adopting a vote or votes, a certificate of which shall be filed in accordance with the Business Corporation Law of the Commonwealth of Massachusetts for the issue of the Preferred Stock in one or more series, each with such designations, preferences and relative, participating, optional or other special rights, and qualifications, limitations or restrictions thereof as shall be stated in the vote or votes creating such series. The authority of the Board of Directors with respect to each such series shall include without limitation of the foregoing the right to determine and fix:

(1) the distinctive designation of such series and the number of shares to constitute such series;

- (2) The rate at which dividends on the shares of such series shall be declared and paid, or set aside for payment, whether dividends at the rate so determined shall be cumulative, and whether the shares of such series shall be entitled to any participating or other dividends in addition to dividends at the rate so determined, and if so on what terms;
- (3) The right, if any, of the corporation to redeem shares of the particular series and, if redeemable, the price, terms and manner of such redemption;
- (4) The special and relative rights and references, if any, and the amount of amounts per share, which the shares of such series shall be entitled to receive upon any voluntary or involuntary liquidation, dissolution or winding up of the corporation;
- (5) the terms and conditions, if any, upon which shares of such series shall be convertible into, or exchangeable for, shares of stock of any other class or exchangeable for, shares of stock of any other class or classes, including the price or prices or the rate or rates of conversion or exchange and the terms of adjustment, if any;
- (6) The obligation, if any, of the corporation to retire or purchase shares of such series pursuant to a sinking fund or fund of a similar nature or otherwise, and the terms and conditions of such obligations;
- (7) Voting rights, if any, provided that the shares of all series with voting rights shall not have more than one vote per share;
- (8) limitations, if any, on the issuance of additional shares of such series or any shares of any other series of Preferred Stock; and
- (9) Such other preferences or restrictions or qualifications thereof as the Board of Directors may deem advisable and are not inconsistent with law and the provisions of these Articles.
- C. Statement of Limitations, Relative Rights and Powers in Respect of Shares of Common Stock.
- (1) After the requirements with respect to preferential dividends on the Preferred Stock (fixed in accordance with the provisions of paragraph 5 above) shall have been met and after the

corporation shall have complied with all the requirements, if any, with respect to the setting aside of sums as sinking funds or redemption or purchase accounts (fixed in accordance with the provisions of said paragraph B), then and not otherwise the holders of Common Stock shall be entitled to receive such dividends as may be declared from time to time by the Board of Directors.

- (2) After distribution in full of the preferential amount (fixed in accordance with the provisions of said paragraph B) to be distributed to the holders of Preferred Stock in the event of voluntary or involuntary liquidation, distribution or sale of assets, dissolution or winding up of this corporation, the holders of the Common Stock shall be entitled to receive all the remaining assets of this corporation, tangible and intangible, of whatever kind available for distribution to the stockholders ratably in proportion to the number of shares of Common Stock held by them respectively.
- (3) Except as may otherwise be required by law or the provisions of these Articles, or by the Board of Directors pursuant to authority granted in these Articles, each holder of Common Stock shall have one vote in respect of each share of stock held by him in all matters voted upon by the stockholders.

D. Denial of Preemptive rights.

No holder of shares of the Common Stock or of the Preferred Stock shall be entitled as such, as a matter of right, to subscribe for or purchase any part of any new or additional issue of stock of any class whatsoever of the corporation, or of securities convertible into stock of any class, whether now or hereafter authorized, or whether issued for cash or other consideration or by way of dividend."

The foregoing amendment will become effective when these articles of amendment are filed in accordance with the vote adopting the amendment, a later effective date not more than thirty days after such filing, in which event the amendment will become effective on such later date.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this 24th day of January, in the year 1969.

/s/ Emil B. Re	echsteiner 	President
/s/ Paul P. Br	rountas	Clerk

ARTICLES OF AMENDMENT

(General Laws, Chapter 156B, Section 72)

I hereby approve the within articles of amendment and, the filing fee in the amount of \$1,025.00 having been paid, said articles are deemed to have been filed with me this 24th day of January, 1969.

/s/ John F.X. Davoren Secretary of the Commonwealth State House, Boston, Mass.

TO BE FILLED IN BY CORPORATION

PHOTO COPY OF AMENDMENT TO BE SENT

TO: Paul P. Brountas, Esq. c/o Hale and Dorr 60 State Street Boston, Massachusetts 02109

Copy mailed 1-28-69

Secretary of the Commonwealth

State House, Boston, Mass.

ARTICLES OF

MERGER OF PARENT AND SUBSIDIARY CORPORATIONS Pursuant to General Laws, Chapter 156B, SECTION 82

This certificate must be submitted to the Secretary of the Commonwealth within sixty days after the meeting of the board of directors at which the merger is voted. The fee for filing this certificate is prescribed by General laws, Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts.

We, Ray S. Stata and Paul P. Brountas, President and Clerk of Analog Devices, Inc. organized under the laws of Massachusetts and herein called the parent corporation, do hereby certify as follows:

1. That the subsidiary corporation(s) to be merged into the parent corporations is as follows:

State of Date of Name Organization Organization

Resistor Products, Inc. Massachusetts 12/4/72

- 2. That the parent corporation owns at least ninety percent of the outstanding shares of each class of the stock of each subsidiary corporation to be merged into the parent corporation.
- 3. That at a meeting of the directors of the parent corporation held on January 26, 1973, the following vote pursuant to subsection (a) of General Laws, Chapter 156B, Section 62, was duly adopted:

VOTED: That Resistor Products, Inc., a wholly owned subsidiary of this corporation, be merged with and into this corporation and that following such merger, this corporation shall be the surviving corporation.

FURTHER

VOTED:

That the effective date of such merger shall be February 5, 1973 and on that date all of the property, real, personal and mixed, and the rights, privileges and franchises of said Resistor Products, Inc., subject, however, to all of the liabilities and obligations (including taxes) of Resistor Products, Inc. and the rights of creditors and Resistor Products, Inc., for which this corporation shall be liable in the same manner and to the same extent as if it had itself incurred such liabilities and obligations.

FURTHER

VOTED:

That the President and Clerk of this Corporation, and each of them acting singly, be and hereby is authorized to execute and deliver, in the name and on behalf of this corporation, any and all documents and instruments required, or incidental, to effectuate and implement the merger of Resistor Products, Inc. into this corporation in such form as the officer so acting may deem necessary and advisable.

4. The effective date of the merger as specified in the vote set out under Paragraph 4 is February 5, 1973.

IN WITNESS WHEREOF and the penalties of perjury we have hereto signed our names this 1st day of February, 1973.

COMMONWEALTH OF MASSACHUSETTS ARTICLES OF MERGER OF PARENT AND SUBSIDIARY CORPORATIONS (General Laws, Chapter 156B, Section 82)

I hereby approve the within articles of merger of parent and subsidiary corporation and, the filing fee in the amount of \$100.00 having been paid, said articles are deemed to have been filed with me this 5th day of February, 1973.

/s/ John F.X. Davoren

Secretary of the Commonwealth State House, Boston, Mass.

Atty John E. Ryan Hale and Dorr 28 State St. Boston, Mass. 02109

February 14, 1973

Secretary of the Commonwealth State House Boston, Mass.

ARTICLES OF MERGER OF PARENT AND SUBSIDIARY CORPORATIONS

PURSUANT TO GENERAL LAWS, CHAPTER 156B, SECTION 82

This certificate must be submitted to the Secretary of the Commonwealth within sixty days after the meeting of the board of directors at which the merger is voted. The fee for filing this certificate is prescribed by General Laws Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts.

We, Ray Stata and Paul P. Brountas President and Clerk of Analog Devices, Inc. organized under the laws of Massachusetts and herein called the parent corporation, do hereby certify as follows:

1. That the subsidiary corporation to be merged into the parent corporations is as follows:

State of Date of Name Organization Organization

Nova Devices, Inc. Delaware 9/17/69

- 2. That the parent corporation owns at least ninety per cent of the outstanding shares of each class of the stock of each subsidiary corporation to be merged into the parent corporation.
- 3. That in the case of each of the above-named corporations the laws of the state of its organization, if other than Massachusetts, permit the merger herein provided for and that all action required under the laws of each such state in connection with this merger has been duly taken. (If all the corporations are organized under the laws of Massachusetts and if General Laws, Chapter 156B is applicable to them, then Paragraph 3 may be deleted.)

4. That by unanimous written consent of the directors of the parent corporation executed on October 23, 1973, the following vote pursuant to subsection (a) of General Laws, Chapter 156B Section 82, was duly adopted:

VOTED: That Nova Devices, Inc., a wholly owned subsidiary of this corporation, be merged with and into this corporation and that following such merger, this corporation shall be the surviving corporation; and

FURTHER

VOTED: That the effective date of such merger shall be November 5, 1973 and on that date all of the property, real, personal and mixed, and the rights, privileges and franchises of Nova Devices, Inc. shall vest in and be held by this corporation, as the same were held and owned by Nova Devices, Inc., subject, however, to all of the liabilities and obligations (including taxes) of Nova Devices, Inc., for which this corporation shall be liable in the same manner and to the same extent as if it had itself incurred such liabilities and obligations; and

FURTHER

VOTED: That the President and Clerk of this corporation, and each of them acting singly, be and hereby is authorized to execute and deliver, in the name and on behalf of this corporation, any and all documents and instruments required, or incidental, to effectuate and implement the merger of Nova Devices, Inc. into this corporation in such form as the officer so acting may deem necessary and advisable.

5. The effective date of the merger as specified in the vote set out under Paragraph 4 is November 5, 1973.

IN WITNESS WHEREOF and the penalties of perjury we have hereto signed our names this 23rd day of October, 1973.

> /s/ Ray Stata President

/s/ Paul P. Brountas Clerk

COMMONWEALTH OF MASSACHUSETTS

ARTICLES OF MERGER OF PARENT AND SUBSIDIARY CORPORATIONS

(General Laws, Chapter 156B, Section 82)

I hereby approve the within articles of merger of parent and subsidiary corporations and the filing fee in the amount of \$100.00 having been paid, said articles are deemed to have been filed with me this 2nd day of November, 1973.

> /s/ John F.X. Davoren Secretary of the Commonwealth State House, Boston, Mass.

Atty John E. Ryan Hale and Dorr 28 State Street Boston, Mass. 02109

MICHAEL JOSEPH CONNOLLY

Secretary of State

FEDERAL IDENTIFICATION NO.

ONE ASHBURTON PLACE, BOSTON, MASS. 02108

ARTICLES OF AMENDMENT

General Laws, Chapter 156B, Section 72

This certificate must be submitted to the Secretary of the Commonwealth within sixty days after the date of the vote of stockholders adopting the amendment. The fee for filing this certificate is prescribed by General Laws, Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts.

We, Ray Stata, President, and Paul P. Brountas, Clerk of

ANALOG DEVICES, INC.

located at Route 1 Industrial Park, Norwood, MA do hereby certify that the following amendment to the articles or organization of the corporation was duly adopted at a meeting held on March 13, 1979, by vote of 1,703,461 shares of Common Stock out

of 2,373,186 shares outstanding, being at least a majority of each class outstanding and entitled to vote thereon.

FOR INCREASE IN CAPITAL FILL IN THE FOLLOWING:

The total amount of capital stock already authorized is

500,000 shares preferred))with par value 3,000,000 shares common)

_____ shares preferred)

_____)without par value
____ shares common)

The amount additional authorized	stock	shares preferred))with par value 7,000,000 shares common)
		shares preferred) shares common)

VOTED:

To amend the Articles of Organization of the corporation, as amended, to increase the authorized Common Stock, \$.16 2/3 par value per share, of the corporation from 3,000,000 shares to 10,000,000 shares, so that after the effective date of such amendment the total number of authorized shares of Common Stock, \$.16 2/3 par value per share, of the corporation shall be

10,000,000 shares.

The foregoing amendment will become effective when these articles of amendment are filed in accordance with Chapter 156B of The General Laws unless these articles specify, in accordance with the vote adopting the amendment, a later effective date not more than thirty days after such filing, in which event the amendment will become effective on such later date.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this thirteenth (13th) day of March, in the year 1979.

/s/ Ray Stata President -----/s/ Paul P. Brountas Clerk

ARTICLES OF AMENDMENT

(General Laws, Chapter 156B, Section 72)

I hereby approve the within articles of amendment and, the filing fee in the amount of 3,500.00 having been paid, said articles are deemed to have been filed with me this 20th day of March, 1979.

/s/ Michael Joseph Connolly

MICHAEL JOSEPH CONNOLLY Secretary of State

TO BE FILLED IN BY CORPORATION

PHOTOCOPY OF AMENDMENT TO BE SENT

TO: Mark G. Borden Hale and Dorr 60 State Street Boston, MA 02109 Telephone: 742-9100

Copy mailed March ____, 1981

MICHAEL JOSEPH CONNOLLY

Secretary of the Commonwealth

STATE HOUSE, BOSTON, MASS.

FEDERAL IDENTIFICATION NO.

CERTIFICATE OF VOTE OF DIRECTORS ESTABLISHING
A SERIES OF A CLASS OF STOCK

General Laws, Chapter 156B, Section 26

The filing fee to accompany this certificate is \$50.00. Make check payable to the Commonwealth of Massachusetts.

We, Ray Stata, President and Paul P. Brountas, Clerk of ${\tt ANALOG\ DEVICES,\ INC.}$

located at Route 1 Industrial Park, Norwood, MA 02062 do hereby certify that at a meeting of the directors of the corporation held on September 11, 1980, the following vote establishing and designating a series of a class of stock and determining the relative rights and preferences thereof was duly adopted.

ANALOG DEVICES, INC.

Votes of Board of Directors Creating Series A Convertible Preferred Stock

VOTED:

That pursuant to authority expressly vested in the Board of Directors of the Corporation by Article 4 of the Articles of Organization of the Corporation, as amended, the Board of Directors hereby authorizes the issuance of a series of Preferred Stock, \$1.00 par value per share, of the Corporation, consisting of 10,000 shares and designated as "Series A Convertible Preferred Stock" of the Corporation; and

FURTHER

VOTED:

That the relative rights, preferences, powers, qualifications, limitations and restrictions of the Series A Convertible Preferred Stock (hereinafter referred to as the "Series A Stock") authorized to be issued pursuant to the foregoing vote shall be as follows:

- 1. Dividends. In each fiscal year of the Corporation holders of shares of Series A Stock shall be entitled to receive, before any cash dividends shall be declared and paid upon or set aside for the Common stock in such fiscal year, when and as declared by the Board of Directors of the Corporation, out of funds legally available for that purpose, dividends payable in cash in an amount per share for such fiscal year at least equal to the per share amount, if any, of any cash dividend for the Common Stock during such fiscal year. All dividends declared upon Series A Stock shall be declared pro rata per share.
- 2. Liquidation, Dissolution or Winding Up. In the event of any liquidation, dissolution or winding up of the Corporation, the holders of shares of Series A Stock then outstanding shall, unless they elect to convert their Series A Stock into Common Stock as set forth in Section 4(d) hereof, be entitled to be paid out of the assets of the Corporation available for distribution to its stockholders, whether from capital, surplus or earnings, before any payment shall be made to the holders of any stock ranking on liquidation junior to the Series A Stock (with respect to rights on liquidation, dissolution or winding up, the Series A

Stock shall rank prior to the Common Stock) an amount equal to One Thousand Dollars (\$1,000) per share. If upon any liquidation, dissolution or winding up of the Corporation the assets of the Corporation available for the distribution to its stockholders shall be insufficient to pay the holders of shares of Series A Stock the full amounts to which they respectively shall be entitled, the holders of shares of Series A Stock and any class of stock ranking on liquidation on a parity with the Series A Stock shall share ratably in any distribution of assets according to the respective amounts which would be payable in respect of the shares held by them upon such distribution if all amounts payable on or with respect to said shares were paid in full. The merger or consolidation of the Corporation into or with another corporation, the merger or consolidation of any other corporation into or with the Corporation, or the sale, transfer, mortgage, pledge or lease of all or substantially all the assets of the Corporation shall not be deemed to be a liquidation, dissolution or winding up of the Corporation.

Voting. The shares of Series A Stock shall have no voting rights or power and the holders of such shares shall not be entitled to vote such shares upon or in respect of any matter submitted to stockholders for vote or action, except (a) as otherwise required by law and (b) that the affirmative vote or consent of the holders of sixty-six and two-thirds percent (66-2/3%) of the shares of outstanding Series A Stock shall be required to authorize any issuance of Common Stock or securities convertible into shares of Common Stock by the Corporation in a transaction or series of related transactions designed to increase the Corporation's equity ownership in an entity (or the assets of an entity) in which the Corporation's initial investment was funded with the proceeds of the sale of shares of Series A Stock and such issuance increases the number of outstanding shares of Common Stock on a fully converted basis (treating as outstanding for this purpose all common stock equivalents determined in accordance with generally accepted accounting principles) by two percent (2%) or more. If any matter is to be submitted to the vote or consent of the holders of Series A Stock pursuant to the provisions of this Section 3, the Corporation shall provide such holders with not less than ten (10) days' prior written notice thereof and each share of Series A Stock shall be entitled to one vote (in person or by proxy) with respect to

matter, voting in the manner provided for in the By-laws of the Corporation.

4. Conversion.

(a) Shares of Series A Stock may be converted, at the option of the holder thereof, in the manner hereinafter provided, into fully paid and non-assessable shares of Common Stock of the Corporation, at any time during the one-year period (the "Conversion Period") commencing (i) on the day ("Conversion Date") which is five (5) years from the date of issue of such shares of Series A Stock by the Corporation ("Issue Date") and ending (ii) on the day ("Expiration Date") which is six (6) years from the Issue Date of such shares of Series A Stock. If any holder of such shares does not elect to convert such shares at any time during the Conversion Period, such shares shall automatically, without any action on the part of the holder thereof, be converted into shares of Common Stock of the Corporation on the Expiration Date for such shares of Series A Stock. The Series A Stock shall be converted into Common Stock of the Corporation during the Conversion Period, whether such conversion is voluntary or involuntary, by the Corporation's issuance of that number of shares of Common Stock determined by multiplying the number of shares of Series A Stock then being converted by a fraction of which the numerator shall be \$2,000 and the denominator shall be the greater of (x) the fair market value per share of Common Stock on the Conversion Date or (y) one and one-half (1-1/2) times the book value per share of Common Stock, as such book value per share is shown on the balance sheet of the Corporation as of the end of the fiscal quarter immediately preceding the Conversion Date. For the purpose hereof, "fair market value per share" shall mean the average closing price per share of the Common stock of the Corporation on the New York Stock Exchange Composite Tape for the sixty (60) day period ending ten (10) days prior to the Conversion Date; provided, however, that if the Common Stock of the Corporation is not then listed on the New York Stock Exchange such fair market value shall be the average of the mean between the closing bid and asked prices of the Common Stock of the Corporation for such 60-day period in the over-the-counter market or, if such shares are not then traded in the over-the-counter market or any other national securities exchange, such fair market value shall be determined by the Board of Directors of the Corporation.

- (b) In case of any consolidation of the corporation with, or merger of the Corporation into, another corporation (other than a consolidation or merger in which the Corporation is the continuing corporation) or in case of any sale or conveyance to another corporation of the assets of the Corporation as an entirety or substantially as an entirety, which shall occur while any shares of Series A Stock are outstanding, each share of Series A Stock shall automatically, without any action on the part of the holder thereof, be converted into Common Stock, immediately prior to or contemporaneously with such consolidation, merger, sale or conveyance, and the holders of Series A Stock shall thereafter be entitled to receive, together with all other holders of Common Stock, the kind and amount of shares of stock and other securities and property receivable upon such consolidation, merger, sale or conveyance by the holders of Common Stock. The conversion of Series A Stock for purposes of this paragraph (b) shall be effected by the Corporation's issuance of that number of shares of Common Stock determined by multiplying the number of shares of Series A Stock then being converted by a fraction of which the numerator shall be the sum of \$1,000 plus the product of (x) $$16.66\ 2/3\ multiplied$ by (y) the number of months (but not in excess of sixty (60) months in the aggregate) which elapse during the period commencing with the Issue Date and ending as of the end of the month immediately preceding the date of such consolidation, merger, sale or conveyance, and the denominator shall be the average closing price per share of the Common Stock of the Corporation on the New York Stock Exchange Composite Tape for the sixty (60) day period ending thirty (30) days prior to the date that the Corporation shall have first publicly announced the proposed consolidation, merger, sale or conveyance; provided, however, that if the Common Stock of the Corporation is not then listed on the New York Stock Exchange, such per share price shall be determined, on the basis of such 60-day period, as set forth in Section 4(a) hereof.
- (c) In case any person shall make a tender offer to purchase at least fifty-one percent (51%) of the then outstanding shares of Common Stock of the Corporation ("Tender Offer") at any time while Series A Stock is outstanding, each holder of shares of Series A Stock shall have the right, at his election, to convert such shares into Common Stock of the Corporation during the period commencing with the first public announcement of

the Tender Offer ("Offer Date") and ending on the date of expiration of the Tender Offer. If any holder elects to so convert his Series A Stock pursuant to this paragraph (c), the conversion shall be effected by the Corporation's issuance of that number of shares of Common Stock determined by multiplying the number of shares of Series A Stock then being converted by a fraction of which the numerator shall be the sum of \$1,000 plus the product of (x) \$16.66 2/3 multiplied by (y) the number of months (but not in excess of sixty (60) months in the aggregate) which elapse during the period commencing with the Issue Date and ending as of the end of the month immediately preceding the Offer Date, and the denominator shall be the average closing price per share of the Common Stock of the Corporation on the new York Stock Exchange Composite Tape for the sixty (60) day period ending thirty (30) days prior to the Offer Date; provided, however, that if the Common Stock of the Corporation is not then listed on the New York Stock Exchange, such per share price shall be determined, on the basis of such 60-day period, as set forth in Section 4(a) hereof.

- (d) In case of any liquidation, dissolution or winding up of the Corporation ("liquidation"), whether voluntary or involuntary, in lieu of the right to receive the payments specified in Section 2 hereof, the holders of shares of Series A Stock then outstanding shall have the right to convert the Series A Stock into Common Stock, up to and until the close of business on the full business day next preceding the date fixed for the liquidation of the Corporation, the conversion thereof to be effected by the Corporation's issuance of that number of shares of Common Stock of the Corporation determined by multiplying the number of shares of Series A Stock then being converted by a fraction of which the numerator shall be the sum of \$1,000 plus the product of (x) \$16.66 2/3 multiplied by (y) the number of months (but not in excess of 60 months in the aggregate) which elapse during the period commencing with the Issue Date and ending as of the end of the month immediately preceding the date of such liquidation, and the denominator shall be the amount (or value if other than cash) per share of Common Stock to be distributed to the holders of Common Stock in liquidation of the Corporation.
- (e) The Corporation shall not issue fractions of shares of Common Stock upon conversion of Series A Stock or scrip in lieu thereof. If any fraction of a share of

Common Stock would, except for the provisions of this paragraph (e), be issuable upon conversion of Series A Stock, the Corporation shall in lieu thereof pay to the person entitled thereto an amount in cash equal to the current value of such fraction, calculated to the nearest one-thousandth (1/1000) of a share, to be computed (i) if the Common Stock is listed on any national securities exchange on the basis of the last sales price of the Common Stock on such exchange (or the quoted closing bid price if there shall have been no sales) on the Conversion Date (or Merger Date, Offer Date or date of liquidation, as the case may be), or (ii) if the Common Stock shall not be so listed, on the basis of the mean between the closing bid and asked prices for the Common Stock on the Conversion Date (or Merger Date, Offer Date or date of liquidation, as the case may be) as reported by NASDAQ, or its successor, and if there are no such closing bid and asked prices, on the basis of the fair market value per share as determined by the Board of Directors of the Corporation.

- (f) In order to exercise the conversion privilege, the holder of any Series A Stock to be converted shall surrender his or its certificate or certificates therefor to the principal office of the transfer agent for the Series A Stock (or if no transfer agent be at the time appointed, then to the Corporation at its principal office), and shall give written notice to the Corporation at such office that the holder elects to convert the Series A Stock represented by such certificates. Such notice shall also state the name or names (with address) in which the certificate or certificates for shares of Common Stock which shall be issuable on such conversion shall be issued. As soon as practicable after receipt of such notice and the surrender of the certificate or certificates for Series A Stock as aforesaid, the Corporation shall cause to be issued and delivered at such office to such holder, or on his or its written order, a certificate or certificates for the number of full shares of Common Stock issuable on such conversion in accordance with the provisions hereof and cash as provided in paragraph (e) hereof in respect of any fraction of a share of Common Stock otherwise issuable upon such conversion.
- (g) On the date that any conversion takes effect hereunder, all shares of Series A Stock then to be converted shall cease to have any rights with respect to such stock, and the sole rights of the holders of such stock shall be with respect to the Common Stock into

which such shares have been so converted. Each holder of an outstanding certificate of Series A Stock which, prior to conversion represented shares of Series A Stock, shall be entitled to receive therefor, on and after the date that any such conversion takes effect, a certificate or certificates representing the number of shares of Common Stock into which such shares shall have been converted, upon surrender of such certificate or certificates to such agent or agents as may be appointed by the Corporation. If so required by the Corporation, certificates surrendered for conversion shall be endorsed or accompanied by a written instrument or instruments of transfer in form satisfactory to the Corporation, duly executed by the registered holder or by his attorney duly authorized in writing. All certificates evidencing shares of Series A Stock which are required to be surrendered for conversion in accordance with the provisions hereof shall, from and after the date such certificates are so required to be surrendered, be deemed to have been retired and cancelled and the shares of Series A Stock represented thereby converted into Common Stock for all purposes, notwithstanding the failure of the owner or owners thereof to surrender such certificates on or prior to said date.

(h) In case:

- (i) of any consolidation or merger to which the Corporation is a party and for which approval of any stockholders of the Corporation is required, or of the sale or transfer of all or substantially all of the assets of the Corporation; or
- (ii) of the involuntary or voluntary dissolution, liquidation or winding up of the Corporation;

then the Corporation shall cause to be filed at the office of the transfer agent of the Series A Stock and shall cause to be mailed to the holders of the Series A Stock, at their last addresses as they shall appear upon the record of such transfer agent at least twenty (20) days before the date specified herein below, a notice stating the date on which such consolidation, merger, sale, transfer, dissolution, liquidation or winding up is expected to become effective, and the date as of which it is expected that holders of Common Stock of record shall be entitled to exchange their shares of Common Stock for securities or other property

deliverable upon such consolidation, merger, sale, transfer, dissolution, liquidation or winding up.

- (i) The Corporation shall use its best efforts, at all times when the Series A Stock shall be outstanding, to reserve and keep available out of its authorized but unissued stock, for the purpose of effecting the conversion of the Series A Stock, such number of its duly authorized shares of Common Stock as shall from time to time be sufficient to effect the conversion of all outstanding Series A Stock. Before taking any action which would cause an adjustment reducing the conversion price below the then par value of the shares of Common Stock issuable upon conversion of the Series A Stock, the Corporation will take any corporate action which may, in the opinion of its counsel, be necessary in order that the Corporation may validly and legally issue fully paid and non-assessable shares of such Common Stock at such adjusted conversion price.
- (j) Upon any such conversion, no adjustment shall be made for accrued and unpaid dividends on the Series A Stock surrendered for conversion or on the Common Stock delivered.
- (k) All shares of Series A Stock which shall have been surrendered for conversion as herein provided shall no longer be deemed to be outstanding and all rights with respect to such shares, including the rights, if any, to receive notices and to vote, shall forthwith cease and terminate except only the right of the holders thereof to receive Common Stock in exchange therefor. Any shares of Series A Stock so converted shall be retired and cancelled and shall not be reissued, and the Corporation may from time to time take such appropriate action as may be necessary to reduce the authorized Series Stock accordingly.
- 5. Definitions. The term "Common Stock" shall be deemed to refer to the Common Stock, \$.16 2/3 par value per share, authorized by the Articles of Organization of the Corporation, as amended and in effect on the date hereof, and to any additional share of stock of any class of the Corporation other than preferred stock with a fixed limit on dividends and a fixed amount payable in the event of any voluntary or involuntary liquidation, dissolution or winding up of the Corporation.

FURTHER

VOTED:

That the President or any Vice Present and the Clerk or an Assistant Clerk be and hereby are authorized to execute, on behalf of the Corporation and under its corporate seal, a certificate setting forth a copy of the foregoing votes, and to cause such certificate to be filed with Secretary of State of the Commonwealth of Massachusetts all in accordance with the provisions of the Business Corporation Law of the Commonwealth of Massachusetts.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this 14th day of October in the year 1980.

/s/ Ray Stata	President
,	
/s/ Paul P. Brountas	Clerk

CERTIFICATE OF VOTE OF DIRECTORS ESTABLISHING

A SERIES OF A CLASS OF STOCK

(General Laws, Chapter 156B, Section 26)

I hereby approve the within certificate and, the

filing fee in the amount of \$50.00

having been paid, said certificate is hereby filed this 16th of October, 1980.

/s/ Michael Joseph Connolly MICHAEL JOSEPH CONNOLLY Secretary of the Commonwealth of Massachusetts

State House, Boston, Mass.

TO BE FILED IN BY CORPORATION

PHOTOCOPY OF CERTIFICATE TO BE SENT

T0:

Paul Brountas Hale and Dorr 60 State Street Boston, MA 02109

Copy Mailed Oct. 20, 1980

ISSUE OF CAPITAL STOCK

GENERAL LAWS, CHAPTER 156, SECTION 16

Filed in the office of the Secretary of the Commonwealth

Kevin H. White

I hereby approve the within certificate, this 6th day of April, 1965

/s/ Kevin H. White Secretary of State

THE COMMONWEALTH OF MASSACHUSETTS

MICHAEL JOSEPH CONNOLLY

Secretary of State

FEDERAL IDENTIFICATION NO.

ONE ASHBURTON PLACE, BOSTON, MASS. 02108

ARTICLES OF AMENDMENT

General Laws, Chapter 156B, Section 72

This certificate must be submitted to the Secretary of the Commonwealth within sixty days after the date of the vote of stockholders adopting the amendment. The fee for filing this certificate is prescribed by General Laws, Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts.

We, Ray Stata , President and Paul P. Brountas , Clerk of

Analog Devices, Inc.

located at Route 1 Industrial Park, Norwood, MA do hereby certify that the following amendment to the articles or organization of the corporation was duly adopted at a meeting held on March 10, 1981, by vote of 4,625,863 shares of Common Stock out of 6,850,507

shares outstanding, being at least a majority of each class outstanding and entitled to vote thereon. $\,$

See Vote on Page 3

FOR INCREASE IN CAPITAL FILL IN THE FOLLOWING:

	(500,000 shares preferred) with (10,000,000 shares common) par
The total amount of capital stock already authorized is	() value (shares preferred) without
	(shares common) par
	() value
	(shares preferred) with
The amount of additional capital stock authorized is	(20,000,000 shares common) par () value
capital Stock authorized 13	(shares preferred) without
	(shares common) par
	() value

VOTED:

To amend the Articles of Organization of the corporation, as amended, to increase the authorized Common Stock, \$.16 2/3 par value per share, of the corporation from 10,000,000 shares to 30,000,000 shares, so that after the effective date of such amendment the total number of authorized shares of Common Stock, \$.16 2/3 par value per share, of the corporation shall be 30,000,000 shares.

The foregoing amendment will become effective when these articles of amendment are filed in accordance with Chapter 156B, Section 6 of The General Laws unless these articles specify, in accordance with the vote adopting the amendment, a later effective date not more than thirty days after such filing, in which event the amendment will become effective on such later date.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this tenth (10th) day of March, in the year 1981.

/s/ Ray Stata President /s/ Paul P. Brountas Clerk -----

THE COMMONWEALTH OF MASSACHUSETTS

ARTICLES OF AMENDMENT

(General Laws, Chapter 156B, Section 72)

I hereby approve the within articles of amendment and, the filing fee in the amount of \$10,000.00 having been paid, said articles are deemed to have been filed with me this 16th day of March, 1981.

> /s/ Michael Joseph Connolly MICHAEL JOSEPH CONNOLLY Secretary of State

TO BE FILLED IN BY CORPORATION PHOTOCOPY OF AMENDMENT TO BE SENT

TO: Mark G. Borden Hale and Dorr 60 State Street Boston, MA 02109 Telephone: 742-9100

Copy mailed March ____, 1981

MICHAEL JOSEPH CONNOLLY

FEDERAL IDENTIFICATION

No. 04-2348234

Secretary of the Commonwealth ONE ASHBURTON PLACE, BOSTON, MASS. 02108

CERTIFICATE OF VOTE OF DIRECTORS ESTABLISHING
A SERIES OF A CLASS OF STOCK

General Laws, Chapter 156B, Section 26

The Filing fee to accompany this certificate is \$50. Make check payable to the Commonwealth of Massachusetts

We, Ray Stata, President and Paul P. Brountas, Clerk of Analog Devices, Inc. located at Route 1 Industrial Park, Norwood, Massachusetts do hereby certify that at a meeting of the directors of the corporation held on October 2, 1981, the following vote establishing and designating a series of a class of stock and determining the relative rights and preferences thereof was duly adopted:

WHEREAS, pursuant to authority expressly vested in the Board of Directors of the corporation by Article 4 of the Articles of Organization of the corporation, as amended, the Board of Directors, by votes adopted at a meeting of the Board of Directors held September 11, 1980, authorized the issuance of a series of Preferred Stock, \$1.00 par value per share, of the corporation, consisting of 10,000 shares and designated as "Series A Convertible Preferred Stock" of the corporation; and

WHEREAS, the Board of Directors of the corporation desires to increase the number of shares of Series A Convertible Preferred Stock by an additional 10,000 shares;

NOW, THEREFORE, it is hereby unanimously

VOTED: That the number of shares of Series A Convertible Preferred Stock established and authorized for issuance by action of the Board of Directors of the corporation on September 11, 1980

be and hereby is increased from 10,000 to 20,000 shares, and that the relative rights, preferences, powers, qualifications, limitations and restrictions of such additional 10,000 shares shall be the same as those established with respect to the original 10,000 shares by vote of the Board of Directors adopted September 11, 1980.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this 2nd day of November in the year 1981.

/s/ Ray Stata, President
/s/ Paul P. Brountas, Clerk

Certificate of Vote of Directors Establishing A Series of Class of Stock

(General Laws, Chapter 156B, Section 26)

I hereby approve the within certificate and, the filing fee in the amount of \$75.00 having been paid, said certificate is hereby filed this 10th day of November, 1981.

/s/ Michael Joseph Connolly

Secretary of the Commonwealth State House, Boston, Mass.

TO BE FILED IN BY CORPORATION

PHOTO COPY OF CERTIFICATE TO BE SENT

T0:

Mark G. Borden, Esq. Hale and Dorr 60 State Street Boston, MA 02109

Copy Mailed Nov 16, 1981

FEDERAL IDENTIFICATION NO. 04-2348234

MICHAEL JOSEPH CONNOLLY Secretary of State

ONE ASHBURTON PLACE FEDERAL BOSTON, MASS. 02108 IDENTIFICATION NO. 87-0366029

ARTICLES OF MERGER
PURSUANT TO GENERAL LAWS, CHAPTER 156B, SECTION 79

The fee for filing this certificate is prescribed by General Laws, Chapter 156B, Section 114.

Make checks payable to the Commonwealth of Massachusetts.

* * * *

MERGER OF M Signal Processing Circuits, Inc., a Delaware Corporation, and

S Analog Devices, Inc., a Massachusetts Corporation

the constituent corporations

into Analog Devices, Inc.

one of the constituent corporations organized under the laws of Massachusetts as specified in the agreement referred to in Paragraph 1 below.

The undersigned officers of each of the constituent corporations certify under the penalties of perjury as follows:

1. An agreement of merger has been duly adopted in compliance with the requirements of subsections (b) and (c) of General Laws, Chapter 156B, Section 79, and will be kept as provided by subsection (c) thereof. The surviving corporation will furnish a copy of said agreement to any of its stockholders, or to any person who was a stockholder of any constituent corporation, upon written request and without charge.

2. The effective date of the merger determined pursuant to the agreement referred to in paragraph 1 shall be October 31, 1983.

(For a merger)

The following amendments to the articles of organization of the SURVIVING corporation have been affected pursuant to the agreement of merger referred to in paragraph 1:

NONE

4. (This paragraph 4 may be deleted if the surviving corporation is organized under the laws of a state other than Massachusetts.)

The following information shall not for any purpose be treated as a permanent part of the articles of organization of the surviving corporation:

- (a) The post office address of the initial principal office of the surviving corporation in Massachusetts is: Route 1 Industrial Park, Norwood, Massachusetts 02062
- (b) The name, residence and post office address of each of the initial directors and President, Treasurer and Clerk of the surviving corporation is as follows:

Name	Residence	Post Office Address
President Ray Stata	80 Sears Road Brookline, MA 02146	Same
Treasurer James R.F. Kunkemueller	2 Raleigh Road Dover, MA 02030	Same
Clerk Paul P. Brountas	22 Conant Rd. Weston, MA 02193	Same

Directors SEE ATTACHMENT 4(b)

(c) The date initially adopted on which the fiscal year of the surviving corporation ends is: Saturday closest to last day of October

(d) The date initially fixed in the by-laws for the Annual Meeting of stockholder of the surviving corporation is: 2nd Tuesday in March

Attachment 4(b)

Directors

Name	Residence Post Office A	ddress
Ray Stata	80 Sears Road Brookline, MA 02146	Same
Philip L. Lowe	330 Beacon Street Boston, MA 02116	Same
Gordon C. McKeague	20332 Arcadia Drive Olympia Fields, IL 60461	Same
Matthew Lorber	180 Beacon Street Boston, MA 02116	Same
Joel Moses	5 Bryant Road Lexington, MA 02173	Same

FOR MASSACHUSETTS CORPORATIONS

The undersigned President, Vice President and Clerk, Assistant Clerk of Analog Devices, Inc., a corporation organized under the laws of Massachusetts further state under the penalties of perjury that the agreement of merger referred to in paragraph 1 has been duly executed on behalf of such corporation and duly approved in the manner required by General Laws, Chapter 156B, Section 79.

Assistant Clerk

FOR CORPORATIONS ORGANIZED OTHER THAN IN MASSACHUSETTS

The undersigned President and Secretary/Treasurer of Signal Processing Circuits, Inc. a corporation organized under the laws of Delaware further state under the penalties of perjury that the agreement of consolidation merger referred to in paragraph 1, has been duly adopted by such corporation in the manner required by the laws of Delaware.

/s/ John W. Hansen	President
/s/	Secretary/Treasurer

ARTICLES OF MERGER (General Laws, Chapter 156B, Section 79)

I hereby approve the within articles of consolidation/merger and, the filing fee in the amount of \$200,000 having been paid, said articles are deemed to have been filed with me this 31st day of October, 1983.

Effective Date

TO BE FILLED IN BY CORPORATION Photocopy of Articles of Merger To Be Sent

TO: Philip J. Flink, Esq. Hale and Dorr 60 State Street Boston, Massachusetts 02109

Telephone: 742-9100

Copy Mailed

OFFICE OF THE MASSACHUSETTS SECRETARY OF STATE MICHAEL JOSEPH CONNOLLY, Secretary ONE ASHBURTON PLACE, BOSTON, MA 02105

FEDERAL IDENTIFICATION NO. 04-2348234

CERTIFICATE OF VOTE OF DIRECTORS INCREASING

A SERIES OF A CLASS OF STOCK

General Laws, Chapter 156B, Section 26

We, Ray Stata, President and Paul P. Brountas, Clerk of ANALOG DEVICES, INC. located at Route 1 Industrial Park, Norwood, Massachusetts 02142 do hereby certify that at a meeting of the directors of the corporation held on December 14, 1984 the following vote established and designating a series of a class of stock and determining the relative rights and preferences thereof was duly adopted:

WHEREAS, pursuant to authority expressly vested in the Board of Directors of the corporation by Article 4 of the Articles of Organization of the corporation, as amended, the Board of Directors, by votes adopted at a meeting of the Board of Directors held September 11, 1980, authorized the issuance of a series of Preferred Stock, \$1.00 par value per share, of the corporation, consisting of 10,000 shares and designated as "Series A Convertible Preferred Stock" of the corporation; and

WHEREAS, by votes adopted at a meeting of the Board of Directors held October 2, 1981, the number of shares of Series A Convertible Preferred Stock was increased by 10,000 shares to 20,000 shares; and

WHEREAS, the Board of Directors of the corporation desires to further increase the number of shares of Series A Convertible Preferred Stock by an additional 10,000 shares;

NOW, THEREFORE, it is hereby unanimously

VOTED: That the number of shares of Series A Convertible Preferred Stock established and authorized for issuance by actions of the Board of Directors of the corporation on September 11, 1980

and October 2, 1981 be and hereby is increased from 20,000 to 30,000 shares, and that the relative rights, preferences, powers, qualifications, limitations and restrictions of such additional 10,000 shares shall be the same as those established with respect to the 20,000 shares by votes of the board of Directors adopted September 11, 1980 and October 2, 1981.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this 4th day of January in the year 1984.

/s/ Ray Stata, President
-----/s/ Paul P. Brountas, Clerk

OFFICE OF THE MASSACHUSETTS SECRETARY OF STATE

MICHAEL JOSEPH CONNOLLY

Secretary

FEDERAL IDENTIFICATION NO. 04-2348234

ONE ASHBURTON PLACE, BOSTON, MASS. 02108

ARTICLES OF AMENDMENT

General Laws, Chapter 156B, Section 72

This certificate must be submitted to the Secretary of the Commonwealth within sixty days after the date of the vote of stockholders adopting the amendment. The fee for filing this certificate is prescribed by General Laws, Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts.

We, Ray Stata, President and Paul P. Brountas, Clerk of Analog Devices, Inc.

located at Route 1 Industrial Park, Norwood, Massachusetts do hereby certify that the following amendment to the articles of organization of the corporation was duly adopted at a meeting held on March 13, 1984, by vote of

14,579,305 shares of Common Stock out of 18,875,482 shares outstanding, being at least a majority of each class outstanding and entitled to vote thereon.

See Vote on Page 2

TO CHANGE the number of shares and the par value, if any, of each class of stock within the corporation fill in the following:

The total presently authorized is:

KIND OF STOCK	NO PAR VALUE NUMBER OF SHARES	WITH PAR VALUE NUMBER OF SHARES	PAR VALUE
COMMON		30,000,000	\$.16 2/3
PREFERRED		500,000	\$1.00

CHANGE the total to:

KIND OF STOCK	NO PAR VALUE NUMBER OF SHARES	WITH PAR VALUE NUMBER OF SHARES	PAR VALUE
COMMON		100,000,000	\$.16 2/3
PREFERRED		500,000	\$1.00

VOTED:

To amend the Articles of Organization of the corporation, as amended, to increase the authorized Common Stock, \$.16 2/3 par value per share, of the corporation from 30,000,000 shares to 100,000,000 shares, so that after the effective date of such amendment the total number of authorized shares of Common Stock, \$.16 2/3 par value per share, of the corporation shall be 100,000,000 shares.

The foregoing amendment will become effective when these articles of amendment are filed in accordance with Chapter 156B, Section 6 of The General Laws unless these articles specify, in accordance with the vote adopting the amendment, a later effective date not more than thirty days after such filing, in which event the amendment will become effective on such later date.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this 20th day of March, in the year 1984.

/s/ Ray Stata President
----/s/ Paul P. Brountas Clerk

THE COMMONWEALTH OF MASSACHUSETTS

ARTICLES OF AMENDMENT

(General Laws, Chapter 156B, Section 72)

I hereby approve the within articles of amendment and, the filing fee in the amount of \$35,000.00 having been paid, said articles are deemed to have been filed with me this 21st day of March, 1984.

/s/ Michael Joseph Connolly MICHAEL JOSEPH CONNOLLY Secretary of State

TO BE FILLED IN BY CORPORATION PHOTOCOPY OF AMENDMENT TO BE SENT

TO: Mark G. Borden
Hale and Dorr
60 State Street
Boston, MA 02109
Telephone: 742-9100

Copy mailed

TO BE FILED IN BY CORPORATION:

CHARTER TO BE SENT TO

Maloney, Williams, Boser & Doukas 80 Federal Street Boston, Massachusetts

FILING FEE: 1/20 of 1% of the total amount of the authorized capital stock with par value, and one cent a share for all authorized shares without par value, but not less than \$75. General Laws, Chapter 156, Section 53.

FEDERAL IDENTIFICATION NO. 04-2348234

THE COMMONWEALTH OF MASSACHUSETTS

OFFICE OF THE MASSACHUSETTS SECRETARY OF STATE

MICHAEL JOSEPH CONNOLLY, SECRETARY

ONE ASHBURTON PLACE, BOSTON, MASS. 02108

CERTIFICATE OF VOTE OF DIRECTORS INCREASING

A SERIES OF A CLASS OF STOCK

General Laws, Chapter 156B, Section 26

We, Ray Stata, President, and Paul P. Brountas, Clerk of ANALOG DEVICES, INC. located at Route 1 Industrial Park, Norwood, Massachusetts 02062 do hereby certify that at a meeting of the directors of the corporation held on February 6, 1985, the following vote establishing the designating a series of a class of stock and determining the relative rights and preferences thereof was duly adopted.

WHEREAS, pursuant to authority expressly vested in the Board of Directors of the corporation by Article FOURTH of the Articles of Organization of the corporation, as amended, the Board of Directors, by votes adopted at a meeting of the Board of Directors held September 11, 1980, authorized the issuance of a series of preferred stock, \$1.00 par value per share, of the corporation, consisting of 10,000 shares and designated as "Series A Convertible Preferred Stock" of the corporation; and

WHEREAS, the Board of Directors has previously increased the authorized number of shares of Series A Convertible Preferred Stock to 30,000 shares; and

WHEREAS, the Board of Directors of the corporation desires to further increase the number of shares of Series A Convertible Preferred Stock by an additional 5,000 shares;

NOW, THEREFORE, it is hereby unanimously

VOTED:

/s/ RAY STATA

That the number of shares of Series A Convertible Preferred Stock established and authorized for issuance by actions of the Board of Directors of the corporation on September 11, 1980, October 2, 1981 and December 14, 1983, be and hereby is increased from 30,000 to 35,000 shares, and that the relative rights, preferences, powers, qualifications, limitations and restrictions on such additional 5,000 shares shall be the same as those established with respect to the previously-authorized 30,000 shares.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this 6th day of March in the year 1985.

Ray Stata	
/s/ PAUL P. BROUNTAS	Clerk
Paul P Brountas	

President

CERTIFICATE OF VOTE OF DIRECTORS INCREASING A SERIES OF A CLASS OF STOCK

(General Laws, Chapter 156B, Section 26)

I hereby approve the within certificate and, the filing fee in the amount of 575.00 having been paid, said certificate is hereby filed this 7th day of March, 1985.

/s/ Michael Joseph Connolly
----Michael Joseph Connolly
Secretary of State

TO BE FILED IN BY CORPORATION

PHOTOCOPY OF CERTIFICATE TO BE SENT

TO: Mark G. Borden, Esq. Hale and Dorr 60 State Street Boston, MA 02109 742-9100

OFFICE OF THE MASSACHUSETTS SECRETARY OF STATE

MICHAEL JOSEPH CONNOLLY, Secretary

One Ashburton Place, Boston, Mass. 02108

FEDERAL IDENTIFICATION NO. 04-2348234

ARTICLES OF AMENDMENT

General Laws, Chapter 156B, Section 72

This certificate must be submitted to the Secretary of the Commonwealth within sixty days after the date of the vote of stockholders adopting the amendment. The fee for filing this certificate is prescribed by General Laws, Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts.

We, Joseph M. Hinchey, Vice President, and Paul P. Brountas, Clerk of Analog Devices, Inc. located at One Technology Way, P.O. Box 9106, Norwood, MA 02062-9106 do hereby certify that the following amendment to the articles of organization of the corporation was duly adopted at a meeting held on March 10, 1987, by vote of 34,389,050 shares of Common Stock out of 44,000,130 shares outstanding (increase authorized), 34,037,403 shares of Common Stock out of 44,000,130 shares outstanding (director's liability), and 35,159,309 shares of Common Stock out of 44,000,130 shares outstanding (Indemnification) being at least a majority of each class outstanding and entitled to vote thereon: two-thirds of each class outstanding and entitled to vote thereon and of each class or series of stock whose rights are adversely affected thereby:

See Continuation Sheets A-1 through A-6

For amendments adopted pursuant to Chapter 156B, Section 70.

For amendments adopted pursuant to Chapter 156B, Section 71.

TO CHANGE the number of shares and the par value, if any, of each class of stock within the corporation fill in the following: $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{$

The total presently authorized is:

KIND OF STOCK	NO PAR VALUE NUMBER OF SHARES	WITH PAR VALUE NUMBER OF SHARES	PAR VALUE
COMMON		100,000,000	\$.16 2/3
PREFERRED		500,000	\$1.00

CHANGE the total to:

KIND OF STOCK	NO PAR VALUE NUMBER OF SHARES	WITH PAR VALUE NUMBER OF SHARES	PAR VALUE
COMMON		150,000,000	\$.16 2/3
PREFERRED		500,000	\$1.00

CONTINUATION SHEET

VOTED: That Article 3 of the Articles of Organization of the Corporation shall be amended by increasing the authorized shares of Common Stock, \$.16 2/3 par value per share, of the Corporation from 100,000,000 shares to 150,000,000 shares, so that after the effective date of such amendment the total number of shares and the par value of each class of capital stock which the Corporation shall have the authority to issue shall be as follows:

Class of Stock	Number of Shares	Par Value Per Share
Common Stock Preferred Stock	150,000,000 500,000	\$.16 2/3 \$1.00

FURTHER

VOTED: That Article 6 of the Articles of Organization of the Corporation shall be amended by deleting in its entirety the current Article 6A, and by substituting new Article 6A therefor, to read as follows:

6A. INDEMNIFICATION

Section 1. Actions, Suits and Proceedings. Except as otherwise provided below, the Corporation shall, to the fullest extent authorized by Chapter 156B of the Massachusetts General Laws, as the same exists or may hereafter be amended (in the case of any such amendment, only to the extent that such amendment either (i) permits the Corporation to provide broader indemnification rights than such laws permitted prior to such amendment or (ii) prohibits or limits any of the indemnification rights previously set forth in such laws), indemnify each person who is, or shall have been, a director or officer of the Corporation or who is or was a director or employee of the Corporation and is serving, or shall have served, at the request of the Corporation, as a director or officer of another organization or in any capacity with respect to any employee benefit plan of the Corporation, against all liabilities and expenses (including judgments, fines, penalties, amounts paid or to be paid in settlement, and reasonable attorneys' fees) imposed upon or incurred by any such person (the "Indemnitee") in connection with, or arising out of, the defense or disposition of any action, suit or other proceeding, whether civil or criminal, in which he may be a defendant or with which he may be threatened

or otherwise involved, directly or indirectly, by reason of his being or having been such a director or officer or as a result of his serving or having served with respect to any such employee benefit plan; provided, however, that the Corporation shall provide no indemnification with respect to any matter as to which any such Indemnitee shall be finally adjudicated in such action, suit or proceeding not to have acted in good faith in the reasonable belief that his action was (i) in the best interests of the Corporation or (ii) to the extent such matter relates to service with respect to an employee benefit plan, in the best interests of the participants or beneficiaries of such employee benefit plan.

Section 2. Settlements. The right to indemnification conferred in this Article shall include the right to be paid by the Corporation for liabilities and expenses incurred in connection with the settlement or compromise of any such action, suit or proceeding, pursuant to a consent decree or otherwise, unless a determination is made, within 45 days after receipt by the Corporation of a written request by the Indemnitee for indemnification, that such settlement or compromise is not in the best interests of the Corporation or, to the extent such matter relates to service with respect to an employee benefit plan, that such settlement or compromise is not in the best interests of the participants or beneficiaries of such plan. Any such determination shall be made (i) by the Board of Directors of the corporation by a majority vote of a quorum consisting of disinterested directors, or (ii) if such quorum is not obtainable, by a majority of the disinterested directors of the Corporation then in office. Notwithstanding the foregoing, if there are less than two disinterested directors then in office, the Board of Directors shall promptly direct that independent legal counsel (who may be regular legal counsel to the Corporation) determine, based on facts known to such counsel at such time, whether such Indemnitee acted in good faith in the reasonable belief that his action was in the best interests of the Corporation or the participants or beneficiaries of any such employee benefit plan, as the case may be; and, in such event, indemnification shall be made to such Indemnitee unless, within 45 days after receipt by the Corporation of the request by such Indemnitee for indemnification, such independent legal counsel in a written opinion to the Corporation determines that such Indemnitee did not act in good faith in the reasonable belief that his action was in the best interests of the Corporation or the participants or beneficiaries of any such employee benefit plan, as the case may be.

Section 3. Notification and Defense of Claim. As a condition precedent to his right to be indemnified, the Indemnitee must give to the Corporation notice in writing as soon as

practicable of any action, suit or proceeding involving him for which indemnity will or could be sought. With respect to any action, suit or proceeding of which the Corporation is so notified, the Corporation will be entitled to participate therein at its own expense and/or to assume the defense thereof at its own expense, with legal counsel reasonably acceptable to such Indemnitee. After notice from the Corporation to the Indemnitee of its election so to assume such defense, the Corporation shall not be liable to such Indemnitee for any legal or other expenses subsequently incurred by such Indemnitee in connection with such claim, but the fees and expenses of such counsel incurred after notice from the Corporation of its assumption of the defense thereof shall be at the expense of the Indemnitee unless (i) the employment of counsel by the Indemnitee has been authorized by the Corporation, (ii) counsel to the Indemnitee shall have reasonably concluded that there may be a conflict of interest or position on any significant issue between the Corporation and the Indemnitee in the conduct of the defense of such action or (iii) the Corporation shall not in fact have employed counsel to assume the defense of such action, in each of which cases, the fees and expenses of counsel for the Indemnitee shall be at the expense of the Corporation, except as otherwise expressly provided by this Article. The Corporation shall not be entitled to assume the defense of any claim brought by or on behalf of the Corporation or as to which counsel for the Indemnitee shall have reasonably made the conclusion provided for in (ii) above.

Section 4. Advance of Expenses. Subject to Section 3 above, the right to indemnification conferred in this Article shall include the right to be paid by the Corporation for expenses (including reasonable attorneys' fees) incurred in defending a civil or criminal action, suit or proceeding in advance of its final disposition, subject to receipt of an undertaking by the Indemnitee to repay such payment if it is ultimately determined that the Indemnitee is not entitled to indemnification under this Article. Such undertaking may be accepted without reference to the financial ability of such Indemnitee to make such repayment. Notwithstanding the foregoing, no advance shall be made by the Corporation under this Section 4 if a determination is reasonably and promptly made by the Board of Directors by a majority vote of a quorum consisting of disinterested directors or, if such quorum is not obtainable, by a majority of the disinterested directors of the Corporation then in office or, if there are not at least two disinterested directors then in office, by independent legal counsel (who may be regular legal counsel to the Corporation) in a written opinion that, based on facts known to the Board or counsel at such time, such Indemnitee did not act in good faith in the reasonable belief that his action was in the best interests of the Corporation or the participants or beneficiaries of an employee benefit plan of the Corporation, as the case may

Section 5. Partial Indemnity. If an Indemnitee is entitled under any provision of this Article to indemnification by the Corporation for some or a portion of the liabilities or expenses imposed upon or incurred by such indemnitee in the investigation, defense, appeal or settlement of any action, suit or proceeding but not, however, for the total amount thereof, the Corporation shall nevertheless indemnify the Indemnitee for the portion of such iabilities or expenses to which such Indemnitee is entitled.

Section 6. Rights Not Exclusive. The right to indemnification and the payment of expenses incurred in defending any action, suit or proceeding in advance of its final disposition conferred in this Article shall not be exclusive of any other right which any person may have or hereafter acquire under any statute, provision of the Articles of Organization, By-Laws, agreement, vote of stockholders or directors or otherwise. Without limiting the generality of the foregoing, the Corporation, acting through its Board of Directors, may enter into agreements with any director, officer, employee or agent of the Corporation providing for indemnification rights equivalent to or greater than the indemnification rights set forth in this Article.

Section 7. Insurance. The Corporation may purchase and maintain insurance, at its expense, to protect itself and any director, officer, employee or agent of the Corporation or another organization or employee benefit plan against any expense or liability incurred by him in any such capacity, or arising out of the status as such, whether or not the Corporation would have the power to indemnify such person against such expense or liability under Chapter 156B of the Massachusetts General Laws.

Section 8. Insurance Offset. The Corporation's obligation to provide indemnification under this Article shall be offset to the extent of any other source of indemnification or any otherwise applicable insurance coverage under a policy maintained by the Corporation or any other person.

Section 9. Amendment. Without the consent of a person entitled to the indemnification and other rights provided in this rticle (unless otherwise required by Chapter 156B of the Massachusetts General Laws), no amendment modifying or terminating such rights shall adversely affect such person's rights under this Article with respect to the period prior to such Amendment.

Section 10. Mergers, Etc. If the Corporation is merged into or consolidated with another corporation and the Corporation is not the surviving corporation, or if substantially all of the assets of the Corporation are acquired by any other corporation, or in the event of any other similar reorganization involving the

Corporation, the Board of Directors of the Corporation or the board of directors of any corporation assuming the obligations of the Corporation shall assume the obligations of the Corporation under this Article, through the date of such merger, consolidation, sale or reorganization, with respect to each person who is entitled to indemnification rights under this Article as of such date.

Section 11. Savings Clause. If this Article or any portion hereof shall be invalidated on any ground by any court of competent jurisdiction, then the Corporation shall nevertheless indemnify each Indemnitee as to any liabilities and expenses with respect to any action, suit or proceeding to the full extent permitted by any applicable portion of this Article that shall not have been invalidated and to the full extent permitted by applicable law.

Section 12. Definitions. As used in this Article, the term "director", "officer" and "person" include their respective heirs, executors, administrators, and legal representatives, and an "interested" director is one against whom in such capacity the proceedings in question or another proceeding on the same or similar grounds is then pending.

FURTHER

VOTED: That Article 6 of the Articles of Organization of the Corporation shall be amended by adding new Article 6D, to read as follows:

6D. LIMITATION OF DIRECTOR LIABILITY

To the fullest extent permitted by Chapter 156B of the Massachusetts General Laws, as it may be amended from time to time, a director of the Corporation shall not be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, notwithstanding any provision of law imposing such liability.

The foregoing amendment will become effective when these articles of Amendment are filed in accordance with Chapter 156B, Section 6 of The General Laws unless these articles specify, in accordance with the vote adopting the amendment, a later effective date not more than thirty days after such filing, in which event the amendment will become effective on such later date.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this 27th day of March, in the year 1987 $\,$

/s/ Joseph M. Hinchey Vice President
----/s/ Paul P. Brountas Clerk

MICHAEL JOSEPH CONNOLLY Secretary of State

- -----Examiner Federal Identification No. 95-3562937 ONE ASHBURTON PLACE BOSTON, MASS. 02108

ARTICLES OF MERGER OF PARENT AND SUBSIDIARY CORPORATIONS

Pursuant to General Laws, Chapter 156B, Section 82

The fee for filing this certificate is prescribed by General Laws, Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts

* * * *

We, Ray Stata and Paul P. Brountas, President and Clerk of Analog Devices, Inc. organized under the laws of the Commonwealth of Massachusetts and herein called the parent corporation, do hereby certify as follows:

1. That the subsidiary corporation(s) to be merged into the parent corporations are/is as follows:

	State of	Date of
Name	Organization	Organization
Precision Monolithics, Inc.	Delaware	12/15/80

2. That the parent corporation owns at least ninety percent of the outstanding shares of each class of the stock of each subsidiary corporation to be merged into the parent corporation.

- 3. That in the case of each of the above-named corporations the laws of the state of its organization, if other than Massachusetts, permit the merger herein provided for and that all action required under the laws of each such state in connection with this merger has been duly taken. (If all the corporations are organized under the laws of Massachusetts and if General Laws, Chapter 156B is applicable to them, then Paragraph 5 may be deleted.)
- 4. That at a meeting of the directors of the parent corporation the following vote, pursuant to subsection (a) of General Laws, Chapter 156B, Section 82, was duly adopted:

VOTED: That pursuant to Section 82 of Chapter 156B of the Massachusetts General Laws and Section 253 of the Delaware General Corporation Law, the Corporation is hereby authorized to merge Precision Monolithics, Inc., a Delaware corporation, which is a wholly-owned subsidiary of the Corporation, into the Corporation on the terms and conditions set forth in the Agreement of Merger between the Corporation and Precision Monolithics, Inc. in substantially the form presented to the directors at this meeting, with such changes and additions as the President of the Corporation shall approve, the execution and delivery thereof by the President or any Vice President of the Corporation to be conclusive evidence of such approval (the "Agreement of Merger") it being the intention that said merger qualifies as a complete liquidation of a subsidiary under Sections 332 and 337 of the Internal Revenue Code of 1986, as amended;

FURTHER

VOTED: That the President and any Vice President of the Corporation be, and each of them acting singly hereby is, authorized and directed to execute and deliver the Agreement of Merger, to make and execute a Certificate of Ownership and Merger setting forth a copy of the votes with respect to the merger of Precision Monolithics, Inc. into the Corporation, and the date of adoption thereof, and to cause the same to be filed with the Secretary of State and a certified copy recorded in the office of the Recorder of Deeds of New Castle County, to make and execute Articles of Merger of Parent and Subsidiary Corporations with respect to the merger of Precision Monolithics, Inc. into the Corporation and to cause the same to be filed with the Secretary of State of the Commonwealth of Massachusetts and to take all such other actions and to execute all such other instruments and agreements which may be in any way necessary or proper to effect said merger; and

FURTHER

VOTED: That the merger of Precision Monolithics, Inc. into the Corporation shall be effective at 5:00 p.m., California time, on November 3, 1990.

- 5. The effective date of the merger as specified in the vote set out under Paragraph 4 is November 3, 1990.
- $6.\ (This\ Paragraph\ 6\ may\ be\ deleted\ if\ the\ parent\ corporation\ is\ organized\ under\ the\ laws\ of\ Massachusetts.)$

IN WITNESS WHEREOF and under the penalties of perjury we have hereto signed our names this 31st day of October, 1990.

/s/ Ray Stata President

Ray Stata

/s/ Paul P. Brountas Clerk

Paul P. Brountas

ARTICLES OF AMENDMENT

(General Laws, Chapter 156B, Section 72)

I hereby approve the within articles of amendment and, the filing fee in the amount of \$25,075.00 having been paid, said articles are deemed to have been filed with me this 7th day of April, 1987.

/s/ Michael Joseph Connolly
Michael Joseph Connolly
Secretary of State

TO BE FILLED IN BY CORPORATION

PHOTOCOPY OF AMENDMENT TO BE SENT

TO: John E. Osborn, Esq. c/o Hale and Dorr 60 State Street Boston, MA 02109 Telephone (617) 742-9100

MICHAEL JOSEPH CONNOLLY Secretary of State

Examiner

Federal Identification ONE ASHBURTON PLACE

BOSTON, MASS. 02108

No. 95-3562;937

ARTICLES OF MERGER OF PARENT AND SUBSIDIARY CORPORATIONS

Pursuant to General Laws, Chapter 156B, Section 82

The fee for filing this certificate is prescribed by General Laws, Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts

We, Ray Stata and Paul P. Brountas, President and Clerk of Analog Devices, Inc. organized under the laws of the Commonwealth of Massachusetts and herein called the parent corporation, do hereby certify as follows:

1. That the subsidiary corporation(s) to be merged into the parent corporations are/is as follows:

> State of Date of Name Organization **Organization**

Precision Monolithics, Inc. Delaware 12/15/80

2. That the parent corporation owns at least ninety percent of the outstanding shares of each class of the stock of each subsidiary corporation to be merged into the parent corporation.

- 3. That in the case of each of the above-named corporations the laws of the state of its organization, if other than Massachusetts, permit the merger herein provided for and that all action required under the laws of each such state in connection with this merger has been duly taken. (If all the corporations are organized under the laws of Massachusetts and if General Laws, Chapter 156B is applicable to them, then Paragraph 5 may be deleted.)
- 4. That at a meeting of the directors of the parent corporation the following vote, pursuant to subsection (a) of General Laws, Chapter 156B, Section 82, was duly adopted:

VOTED: That pursuant to Section 82 of Chapter 156B of the Massachusetts General Laws and Section 253 of the Delaware General Corporation Law, the Corporation is hereby authorized to merge Precision Monolithics, Inc., a Delaware corporation, which is a wholly-owned subsidiary of the Corporation, into the Corporation on the terms and conditions set forth in the Agreement of Merger between the Corporation and Precision Monolithics, Inc. in substantially the form presented to the directors at this meeting, with such changes and additions as the President of the Corporation shall approve, the execution and delivery thereof by the President or any Vice President of the Corporation to be conclusive evidence of such approval (the "Agreement of Merger") it being the intention that said merger qualifies as a complete liquidation of a subsidiary under Sections 332 and 337 of the Internal Revenue Code of 1986, as amended;

FURTHER

VOTED:

That the President and any Vice President of the Corporation be, and each of them acting singly hereby is, authorized and directed to execute and deliver the Agreement of Merger, to make and execute a Certificate of Ownership and Merger setting forth a copy of the votes with respect to the merger of Precision Monolithics, Inc. into the Corporation, and the date of adoption thereof, and to cause the same to be filed with the Secretary of State and a certified copy recorded in the office of the Recorder of Deeds of New Castle County, to make and execute Articles of Merger of Parent and Subsidiary Corporations with respect to the merger of Precision Monolithics, Inc. into the Corporation and to cause the same to be filed with the Secretary of State of the Commonwealth of Massachusetts and to take all such other actions and to execute all such other instruments and agreements which may be in any way necessary or proper to effect said merger; and

FURTHER

VOTED:

That the merger of Precision Monolithics, Inc. into the Corporation shall be effective at 5:00 p.m., California time, on November 3, 1990.

- 5. The effective date of the merger as specified in the vote set out under Paragraph 4 is November 3, 1990.
- 6. (This Paragraph 6 may be deleted if the parent corporation is organized under the laws of Massachusetts.)

IN WITNESS WHEREOF and under the penalties of perjury we have hereto signed our names this 31 st day of October, 1990.

/s/Ray Stata President

Ray Stata

/s/Paul P. Brountas Clerk

ARTICLES OF MERGER OF PARENT AND SUBSIDIARY CORPORATIONS

(General Laws, Chapter 156B, Section 82)

I hereby approve the within articles of merger of parent and subsidiary corporations and, the filing fee in the amount of \$250.00 having been paid, said Articles are deemed to have been filed with me this 2nd day of November, 1990.

/s/ Michael Joseph Connolly Secretary of State

TO BE FILLED IN BY CORPORATION Photo Copy of Merger To Be Sent

TO: Paul P. Brountas, Esq. Hale and Dorr 60 State Street Boston, MA 02109 (617) 742-9100

Examiner

Name Approved OFFICE OF THE MASSACHUSETTS SECRETARY OF STATE MICHAEL J. CONNOLLY, Secretary
ONE ASHBURTON PLACE, BOSTON, MASSACHUSETTS 02108

ARTICLES OF AMENDMENT GENERAL LAWS, CHAPTER 156B, SECTION 72

We, Jerald G. Fishman, President and Paul P. Brountas, Clerk of Analog Devices, Inc. located at One Technology Way, P.O. Box 9106 Norwood, MA 02062-9106 do hereby certify that these ARTICLES OF AMENDMENT affecting Articles NUMBERED: 3 of the Articles of -- Organization were duly adopted at a Name meeting held on March 14, 1995, by vote of 57,071,806 shares Approved of Common Stock out of 75,434,102 shares outstanding, being at least a majority of each type, class or series outstanding and entitled to vote thereon:(1)

IDENTIFICATION

NO. 04-2348234

To CHANGE the number of shares and the par value (if any) of any type, class or series of stock which the corporation is authorized to issue, fill in the following:

The total presently authorized is:

WITHOUT PAR VALUE STOCKS			WITH PAR VA	LUE STOCKS
	IBER OF IARES	TYPE	NUMBER OF SHARES	PAR VALUE
COMMON:		COMMON:	150,000,000	\$.16 2/3
PREFERRED:		PREFERRED	500,000	\$1.00
CHANGE the total authorized to:				
(1) F Section 70.	or amendments	adopted pursu	uant to Chapte	r 156B,

WITHOUT PAR VALUE STOCKS		WITH PAR VALUE STOCKS		
NUMBER OF TYPE SHARES	TYPE	NUMBER OF SHARES	PAR VALUE	
COMMON:	COMMON:	300,000,000	\$.16 2/3	
PREFERRED:	PREFERRED	500,000	\$1.00	

VOTED: To amend the Articles of Organization of the Corporation, as amended, to increase the authorized Common Stock, $\$.16\ 2/3$ par value per share, of the Corporation from 150,000,000 shares to 300,000,000 shares, so that after the effective date of such amendment the total authorized capital stock of the Corporation shall consist of 300,000,000 shares of Common Stock, $\$.16\ 2/3$ par value per share, and 500,000 shares of Preferred Stock, \$1.00 par value per share.

The foregoing amendment will become effective when these articles of amendment are filed in accordance with Chapter 156B, Section 6 of The General Laws unless these articles specify, in accordance with the vote adopting the amendment, a later effective date not more than thirty days after such filing, in which event the amendment will become effective on such later date. LATER EFFECTIVE DATE:

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereunto signed our names this 28th day of April, in the year 1995.

/s/ Jerald G. Fishman	D
/s/ Paul P. Brountas	President
	Clerk

ARTICLES OF AMENDMENT

GENERAL LAWS, CHAPTER 156B, SECTION 72

- -----

I hereby approve the within articles of amendment and, the filing fee in the amount of \$15,000 having been paid, said articles are deemed to have been filed with me this 2nd day May of 1995.

MICHAEL J. CONNOLLY Secretary of State

TO BE FILLED IN BY CORPORATION

PHOTOCOPY OF ARTICLES OF AMENDMENT TO BE SENT

TO: Jay E. Bothwick, Esq. Hale and Dorr 60 State Street Boston, MA 02109 (617) 526-6000

ARTICLES OF AMENDMENT (General Laws, Chapter 156B, Section 72)

I hereby approve the within Articles of Amendment and, the filing fee in the amount of \$150,000 having been paid, said articles are deemed to have been filed with me this 2nd day of April, 1996.

Effective date: _____

WILLIAM FRANCIS GALVIN Secretary of the Commonwealth

TO BE FILLED IN BY CORPORATION Photocopy of document to be sent to:

Ms. Katherine Fogarty Hale and Dorr 60 State Street Boston, MA 02109 THE COMMONWEALTH OF MASSACHUSETTS
WILLIAM FRANCIS GALVIN
SECRETARY OF THE COMMONWEALTH
ONE ASHBURTON PLACE, BOSTON, MASSACHUSETTS 02108-1512

ARTICLES OF AMENDMENT (GENERAL LAWS, CHAPTER 156B, SECTION 72)

We,	Jerald G. Fishman	, President
	Paul P. Brountas	, Clerk
	Analoy Devices, Inc.	·
	(Exact name of corporation)	
located	at One Technology Way, P.O. Box 9106, Norwood, MA 02062	-9106
	(Street address of corporation in Massachusetts))
•	that these Articles of Amendment affecting articles numb	
	(Number those articles 1, 2, 3, 4, 5 and/or 6 being	
	rticles of Organization were duly adopted at a meeting h , 1996, by vote of:	neld on
100,526,	641 shares of Common Stock of 114,754,541 share	es outstanding,
	(type, class & series, if any)	
0	shares of Preferred Stock of 0 shares of	outstanding, and
	(type, class & series, if any)	
	shares of of shares of	outstanding,
	(type, class & series, if any)	

being at least a majority of each type, class or series outstanding and entitled to vote thereon:

To CHANGE the number of shares and the par value (if any) of any type, class or series of stock which the corporation is authorized to issue, fill in the following:

The total PRESENTLY authorized is:

WITHOUT PAR VALUE STOCKS	WIT	H PAR VALUE STOCKS	3
TYPE NUMBER OF SHARES	TYPE	NUMBER OF SHARES	PAR VALUE
Common:	Common:	300,000,000	\$.16 2/3
Preferred:	Preferred:	500,000	\$1.00

Change the total authorized to:

					_
WITHOUT PAR VALUE STOCKS		WITH PAR VALUE STOCKS			
TYPE	NUMBER OF SHARES	TYPE	NUMBER OF SHARES	PAR VALUE	
Common:		Common:	450,000,000	\$.16 2/3	
Preferred:		Preferred:	500,000	\$1.00	

VOTED:

To amend the Articles of Organization of the Corporation, as amended, to increase the authorized Common Stock, \$.16 2/3 par value per share, of the Corporation from 300,000,000 shares to 450,000,000 shares, so that after the effective date of such amendment the total authorized capital stock of the Corporation shall consist of 450,000,000 shares of Common Stock, \$.16 2/3 par value per share, and 500,000 shares of Preferred Shock, \$1.00 par value per share.

The foregoing amendment(s) will become effective when these Articles of Amendment are filed in accordance with General Laws, Chapter 156B, Section 6 unless these articles specify, in accordance with the vote adopting the amendment, a later effective date not more than thirty days after such filing, in which event the amendment will become effective on such later date.

Later effective date:			
SIGNED UNDER THE PENALTIES O	F PERJURY,	this 2nd day of	April, 1996,
/s/ Jerald G. Fishman	,	President	
Jerald G. Fishman			
/s/ Paul P. Brountas	,	Clerk	
Paul P. Brountas			

ARTICLES OF AMENDMENT (GENERAL LAWS, CHAPTER 156B, SECTION 72)

I hereby approve the within Articles of Amendment and, the filing fee in the amount of \$150,000 having been paid, said articles are deemed to have been filed with me this 2nd day of April 1996.

Effective date: _____

/s/ William Francis Galvin

William Francis Galvin Secretary of the Commonwealth

TO BE FILLED IN BY CORPORATION PHOTOCOPY OF DOCUMENT TO BE SENT TO:

Ms. Katherine Fogarty Hale and Dorr 60 State Street Boston, MA 02109 HALE AND DORR
Counsellors at Law
60 State Street, Boston, Massachusetts 02109
617-526-6000 FAX 617-526-5000

May 30, 1996

Analog Devices, Inc. One Technology Way Norwood, MA 02062-9106

Ladies and Gentlemen:

We have assisted in the preparation of a Registration Statement on Form S-8 (the "Registration Statement") to be filed with the Securities and Exchange Commission relating to 6,900,000 shares of Common Stock, \$.16 2/3 par value per share (the "Shares"), of Analog Devices, Inc., a Massachusetts corporation (the "Company"), issuable under the Company's Amended 1988 Stock Option Plan (as amended, the "Plan").

We have examined the Restated Articles of Organization and the By-Laws of the Company, and all amendments thereto, the Registration Statement and originals, or copies certified to our satisfaction of such records of meetings of the directors and stockholders of the Company, and such other documents and instruments as in our judgment are necessary or appropriate to enable us to render the opinions expressed below.

In our examination of the foregoing documents, we have assumed the genuineness of all signatures and the authenticity of all documents submitted to us as originals, the conformity to original documents of all documents submitted to us as certified or photostatic copies, and the authenticity of the originals of such latter documents.

Based upon and subject to the foregoing, we are of the opinion that the Shares covered by the Registration Statement to be issued under the Plan have been duly and validly authorized for issuance, and when issued and paid for in accordance with the terms of the Plan, will be legally issued, fully paid and nonassessable.

We hereby consent to the filing of this opinion with the Securities and Exchange Commission as an exhibit to the Registration Statement.

Very truly yours,

HALE AND DORR

Page 7 of 8 Pages

Exhibit 23.02

CONSENT OF INDEPENDENT AUDITORS

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the Amended 1988 Stock Option Plan of Analog Devices, Inc. of our report dated November 28, 1995, except for the fifth paragraph of Note 4 as to which the date is December 18, 1995, with respect to the consolidated financial statements and schedule of Analog Devices, Inc. included in its Annual Report (Form 10-K) for the year ended October 28, 1995.

ERNST & YOUNG LLP

Boston, Massachusetts May 28, 1996

Page 8 of 8 Pages