



STATE OF RHODE ISLAND
AND PROVIDENCE PLANTATIONS
Office of the Secretary of State

Matthew A. Brown, Secretary of State
Corporations Division
100 North Main Street, Providence, RI 02903-1335
401.222.3040

PROFIT CORPORATION ANNUAL REPORT FOR THE YEAR 2005

Filing Period: January 1 - March 1 • Filing Fee: \$50.00

(FORM MUST BE TYPED IN BLACK)

1. Corporate ID No. 25181		2. Name of Corporation TEXAS INSTRUMENTS INCORPORATED	
3. Street Address Principal Business Office P.O. BOX 650311, M/S 3998		City DALLAS	State TX
4. Business Phone No. 9729176912		5. State of Incorporation DELAWARE	6. SIC Code 1115
7. Brief Description of the Character of Business Conducted in Rhode Island SALE OF ELECTRONICS			

8. NAMES AND ADDRESSES OF THE OFFICERS (FOR ATTACHMENT) (FILL IN SPACES BEFORE USING ATTACHMENTS)					
President Name Richard K. Templeton			Vice President Name Kevin P. March		
Street Address 12500 TI Boulevard, PO Box 660199, MS 8658			Street Address 12500 TI Boulevard, MS 8658		
City Dallas	State TX	Zip 75266-0199	City Dallas	State TX	Zip 75266-0199
Secretary Name Joseph F. Hubach			Treasurer Name Elizabeth W. Bull		
Street Address 12500 TI Boulevard, MS 8658			Street Address 12500 TI Boulevard, MS 8658		
City Dallas	State TX	Zip 75266-0199	City Dallas	State TX	Zip 75266-0199

9. NAMES AND ADDRESSES OF THE DIRECTORS (FOR ATTACHMENT) (FILL IN SPACES BEFORE USING ATTACHMENTS)					
Director Name Richard K. Templeton			Director Name James R. Adams		
Street Address 12500 TI Boulevard, MS 8658			Street Address 12500 TI Boulevard, MS 8658		
City Dallas	State TX	Zip 75266-0199	City Dallas	State TX	Zip 75266-0199
Director Name David L. Boren			Director Name Daniel A. Carp		
Street Address 12500 TI Boulevard, MS 8658			Street Address 12500 TI Boulevard, MS 8658		
City Dallas	State TX	Zip 75266-0199	City Dallas	State TX	Zip 75266-0199

10. SHARES AUTHORIZED (FOR ATTACHMENT) (FILL IN SPACES BEFORE USING ATTACHMENTS)			
AUTHORIZED SHARES			
Number of Shares	Class/Series	Par Value	
2,410,000,000			
ISSUED SHARES			
Number of Shares	Class/Series	Par Value	
1,738,156,615	Common	\$1	
0	Preferred	\$25	

This report must be signed in ink by either the President, Vice President, Secretary, Assistant Secretary, Treasurer, Receiver or Trustee



2 5 1 8 1

25181 FBC 02/10/05 04:55:26 PM
File Date <u>2-28-05</u>
Check No. <u>6042185</u>
By: <u>EC</u>
FOR SECRETARY OF STATE USE ONLY

Under penalty of perjury, I declare and affirm that I have examined this report, including any accompanying schedules and statements, and that all statements contained herein are true and correct.

Elizabeth W. Bull
Signature of Officer
Elizabeth W. Bull
Print or Type Name of Officer
Vice President and Treasurer
Title of Officer
Date 2-14-05

**TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
JANUARY 1, 2005**

James R. Adams	Director
David L. Boren	Director
Daniel A. Carp	Director
Carrie S. Cox	Director
Thomas J. Engibous	Chairman of the Board
Gerald W. Fronterhouse	Director
David R. Goode	Director
Pamela H. Patsley	Director
Wayne R. Sanders	Director
Dr. Ruth J. Simmons	Director
Richard K. Templeton	Director
Christine Todd Whitman	Director

**TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
JANUARY 1, 2005**

Gilles Delfassy	Senior Vice President
Thomas J. Engibous	Chairman of the Board
Michael J. Hames	Senior Vice President
Joseph F. Hubach	Senior Vice President, Secretary & General Counsel
Chung-Shing Lee	Senior Vice President
Stephen H. Leven	Senior Vice President
Melendy E. Lovett	Senior Vice President President, Educational & Productivity Solutions
Gregg A. Lowe	Senior Vice President
Kevin P. March	Senior Vice President and Chief Financial Officer
Kevin J. Ritchie	Senior Vice President
Richard K. Templeton	President and Chief Executive Officer
Teresa L. West	Senior Vice President
Thomas Wroe, Jr.	Senior Vice President

The address of the above-named Directors and Officers is:
12500 TI Boulevard, P.O. Box 660199, M/S 8658
Dallas, TX 75266-0199

Terms Expire: All are elected annually until successors are duly qualified.

FILED
FEB 28 2005
By _____

TEXAS INSTRUMENTS INCORPORATED
NON-EXECUTIVE OFFICERS AS OF
JANUARY 1, 2005

Elizabeth W. Bull	Vice President and Treasurer
Charles R. Miller	Vice President and Controller

FILED
FEB 28 2005
By _____

STATE OF RHODE ISLAND
AND PROVIDENCE PLANTATIONS
Office of the Secretary of State

PROFIT CORPORATION ANNUAL REPORT FOR THE YEAR 2004

Filing Period: January 1 - March 1 • Filing Fee: \$50.00

(FORM MUST BE TYPED IN BLACK)

1. Corporate ID No. 25181 2. Name of Corporation TEXAS INSTRUMENTS INCORPORATED
3. Street Address Principal Business Office P.O. BOX 650311, M/S 3998 City DALLAS State TX Zip 75265
4. Business Phone No. 9729176912 5. State of Incorporation DELAWARE 6. SIC Code 1115
7. Brief Description of the Character of Business Conducted in Rhode Island
SALE OF ELECTRONICS

8. NAMES AND ADDRESSES OF THE OFFICERS ("X" BOX FOR ATTACHMENT) ☒ FILL IN SPACES BEFORE USING ATTACHMENTS

President Name Thomas J. Engibous Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658 City Dallas State TX Zip 75266-0199	Vice President Name Kevin P. March Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658 City Dallas State TX Zip 75266-0199
Secretary Name Joseph F. Hubach Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658 City Dallas State TX Zip 75266-0199	Treasurer Name Elizabeth W. Bull Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658 City Dallas State TX Zip 75266-0199

9. NAMES AND ADDRESSES OF THE DIRECTORS ("X" BOX FOR ATTACHMENT) ☒ FILL IN SPACES BEFORE USING ATTACHMENTS

Director Name Thomas J. Engibous Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658 City Dallas State TX Zip 75266-0199	Director Name James R. Adams Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658 City Dallas State TX Zip 75266-0199
Director Name David L. Boren Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658 City Dallas State TX Zip 75266-0199	Director Name Daniel A. Carp Street Address 12500 TI Boulevard, PO Box 660199, M/s 8658 City Dallas State TX Zip 75266-0199

10. SHARES AUTHORIZED ("X" BOX FOR ATTACHMENT) ☐

Number of Shares	Class/Series	Par Value
2,410,000,000		

11. SHARES ISSUED ("X" BOX FOR ATTACHMENT) ☐

ISSUED SHARES Number of Shares	Class/Series	Par Value
1,737,739,654	Common	\$1
0	Preferred	\$25

This report must be signed in ink by either the President, Vice President, Secretary, Assistant Secretary, Treasurer, Receiver or Trustee



2 5 1 8 1

25181 FBC 02/03/04 03:45:54 PM

File Date 2/12/04

Check No. 637416

By: HFE

FOR SECRETARY OF STATE USE ONLY

Under penalty of perjury, I declare and affirm that I have examined this report, including any accompanying schedules and statements, and that all statements contained herein are true and correct.

Signature of Officer Elizabeth W. Bull Date
Print or Type Name of Officer Elizabeth W. Bull

Vice President and Treasurer

Title of Officer

Form 630 12/01

und 2-3-04

**TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
JANUARY 1, 2004**

James R. Adams	Director
David L. Boren	Director
Daniel A. Carp	Director
Thomas J. Engibous	Chairman of the Board
Gerald W. Fronterhouse	Director
David R. Goode	Director
Wayne R. Sanders	Director
Ruth J. Simmons	Director
Richard K. Templeton	Director
Christine Todd Whitman	Director

**TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
JANUARY 1, 2004**

Gilles Delfassy	Senior Vice President
Thomas J. Engibous	Chairman, President, and Chief Executive Officer
Michael J. Hames	Senior Vice President
Joseph F. Hubach	Senior Vice President and Secretary (General Counsel)
Chung-Shing Lee	Senior Vice President
Stephen H. Leven	Senior Vice President
Gregg A. Lowe	Senior Vice President
Kevin P. March	Senior Vice President and Chief Financial Officer (Chief Accounting Officer)
Philip J. Ritter	Senior Vice President
Richard J. Schaar	Senior Vice President
Richard K. Templeton	Executive Vice President and Chief Operating Officer
Teresa L. West	Senior Vice President
Thomas Wroe, Jr.	Senior Vice President

The address of the above-named Directors and Officers is:
12500 TI Boulevard, P.O. Box 660199, M/S 8658
Dallas, TX 75266-0199

Corp ID # 25181

Terms Expire: All are elected annually until successors are duly qualified.

TEXAS INSTRUMENTS INCORPORATED
NON-EXECUTIVE OFFICERS AS OF
JANUARY 1, 2004

Elizabeth W. Bull	Vice President and Treasurer
Charles R. Miller	Vice President and Controller



STATE OF RHODE ISLAND
AND PROVIDENCE PLANTATIONS
Office of the Secretary of State

Matthew A. Brown, Secretary of State
Corporations Division
100 North Main Street, Providence, RI 02903-1335
401.222.3040

PROFIT CORPORATION ANNUAL REPORT FOR THE YEAR 2003

Filing Period: January 1 - March 1 • Filing Fee: \$50.00

(FORM MUST BE TYPED IN BLACK)

1. Corporate ID No. *25181*		2. Name of Corporation TEXAS INSTRUMENTS INCORPORATED			
3. Street Address Principal Business Office P.O. BOX 650311, M/S 3998		City DALLAS		State TX	Zip 75265
4. Business Phone No. (972) 917-6912		5. State of Incorporation DELAWARE			6. SIC Code 1115
7. Brief Description of the Character of Business Conducted in Rhode Island SALE OF ELECTRONICS					
8. NAMES AND ADDRESSES OF THE OFFICERS (X) BOX FOR ATTACHMENT () FILE IN SPACES BEFORE USING ATTACHMENTS					
President Name Thomas J. Engibous		Vice President Name William A. Aylesworth			
Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658		Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658			
City Dallas	State TX	Zip 75266-0199	City Dallas	State TX	Zip 75266-0199
Secretary Name Joseph F. Hubach		Treasurer Name Elizabeth W. Bull			
Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658		Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658			
City Dallas	State TX	Zip 75266-0199	City Dallas	State TX	Zip 75266-0199
9. NAMES AND ADDRESSES OF THE DIRECTORS (X) BOX FOR ATTACHMENT () FILE IN SPACES BEFORE USING ATTACHMENTS					
Director Name Thomas J. Engibous		Director Name James R. Adams			
Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658		Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658			
City Dallas	State TX	Zip 75266-0199	City Dallas	State TX	Zip 75266-0199
Director Name David L. Boren		Director Name Adm James B. Busey IV			
Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658		Street Address 12500 TI Boulevard, PO Box 660199, M/S 8658			
City Dallas	State TX	Zip 75266-0199	City Dallas	State TX	Zip 75266-0199
10. SHARES AUTHORIZED (X) BOX FOR ATTACHMENT () 11. SHARES ISSUED (X) BOX FOR ATTACHMENT ()					
AUTHORIZED SHARES			ISSUED SHARES		
Number of Shares	Class/Series	Par Value	Number of Shares	Class/Series	Par Value
2,410,000,000			1,740,364,197	Common	\$1
			0	Preferred	\$25

This report must be signed in ink by either the President, Vice President, Secretary, Assistant Secretary, Treasurer, Receiver or Trustee



* 2 5 1 8 1 *

**25181* 2/17/03 4:00:46 PM*

File Date 2/24/03

Check No. 632783

By: Em

FOR SECRETARY OF STATE USE ONLY

Under penalty of perjury, I declare and affirm that I have examined this report, including any accompanying schedules and statements, and that all statements contained herein are true and correct.

* Elizabeth W. Bull

Signature of Officer Date Feb 2-17-2003

Elizabeth W. Bull

Print or Type Name of Officer

Vice President and Treasurer

Title of Officer

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 31, 2002

Corporate ID # 25181

James R. Adams	Director
David L. Boren	Director
Adm. James B. Busey IV	Director
Daniel A. Carp	Director
Thomas J. Engibous	Chairman of the Board
Gerald W. Fronterhouse	Director
David R. Goode	Director
Wayne R. Sanders	Director
Dr. Ruth J. Simmons	Director

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 31, 2002

William A. Aylesworth	Senior Vice President and Chief Financial Officer
Elizabeth W. Bull	Vice President and Treasurer
Gilles Delfassy	Senior Vice President
Thomas J. Engibous	Chairman, President and Chief Executive Officer
Michael J. Hames	Senior Vice President
Joseph F. Hubach	Senior Vice President, Secretary and General Counsel
Chung-Shing Lee	Senior Vice President
Stephen H. Leven	Senior Vice President
Gregg A. Lowe	Senior Vice President
Kevin P. March	Vice President and Controller
Philp J. Ritter	Senior Vice President
Richard J. Schaar	Senior Vice President
Richard K. Templeton	Executive Vice President and Chief Operating Officer
Teresa L. West	Senior Vice President
Thomas Wroe, Jr.	Senior Vice President

The address of the above-named Directors and Officers is:
12500 TI Boulevard, P.O. Box 660199, M/S 8658
Dallas, TX 75266-0199

Terms Expire: All are elected annually until successors are duly qualified.



STATE OF RHODE ISLAND
AND PROVIDENCE PLANTATIONS
Office of the Secretary of State

Edward S. Inman, III, Secretary of State
Corporations Division
100 North Main Street, Providence, RI 02903-1335
401-222-3940



PROFIT CORPORATION ANNUAL REPORT FOR THE YEAR 2002

Filing Period: January 1-March 1 • Filing Fee: \$50.00

(FORM MUST BE TYPED IN BLACK)

1. Corporate ID No.

2. Name of Corporation

25181

TEXAS INSTRUMENTS INCORPORATED

3. Street Address Principal Business Office

City

State

Zip

P.O. BOX 650311, MS 3998

Dallas

TX

75265

4. Business Phone No.

5. State of Incorporation

6. SIC Code

972-917-6912

DELAWARE

1115

7. Brief Description of the Character of Business Conducted in Rhode Island

Sale of Electronics

8. NAMES AND ADDRESSES OF THE OFFICERS (*X* BOX FOR ATTACHMENT) ☒ FILL IN SPACES BEFORE USING ATTACHMENTS

President Name

Vice President Name

Thomas J. Engibous

Richard K. Templeton

Street Address

Street Address

12500 TI Boulevard

12500 TI Boulevard

City State Zip

City State Zip

Dallas TX 75243

Dallas TX 75243

Secretary Name

Treasurer Name

Joseph F. Hubach

William A. Aylesworth

Street Address

Street Address

12500 TI Boulevard

12500 TI Boulevard

City State Zip

City State Zip

Dallas TX 75243

Dallas TX 75243

9. NAMES AND ADDRESSES OF THE DIRECTORS (*X* BOX FOR ATTACHMENT) ☒ FILL IN SPACES BEFORE USING ATTACHMENTS

Director Name

Director Name

James R. Adams

David L. Boren

Street Address

Street Address

12500 TI Boulevard

12500 TI Boulevard

City State Zip

City State Zip

Dallas TX 75243

Dallas TX 75243

Director Name

Director Name

James B. Busey IV

Daniel A. Carp

Street Address

Street Address

12500 TI Boulevard

12500 TI Boulevard

City State Zip

City State Zip

Dallas TX 75243

Dallas TX 75243

10. SHARES AUTHORIZED (*X* BOX FOR ATTACHMENT)

AUTHORIZED SHARES

11. SHARES ISSUED (*X* BOX FOR ATTACHMENT)

ISSUED SHARES

Number of Shares Class/Series Par Value

Number of Shares Class/Series Par Value

2,410,000,000

1,740,329,364 Common \$1

0 Preferred \$25

This report must be signed in ink by either the President, Vice President, Secretary, Assistant Secretary, Treasurer, Receiver or Trustee



* 2 5 1 8 1 *

File Date: 2-19-02

Check No.: 625476

By: [Signature]

FOR SECRETARY OF STATE USE ONLY

Under penalty of perjury, I declare and affirm that I have examined this report, including any accompanying schedules and statements, and that all statements contained herein are true and correct.

William A. Aylesworth 2/13/02
Signature of Officer Date

William A. Aylesworth
Print or Type Name of Officer

Senior Vice President, Treasurer & CF
Title of Officer

**TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 31, 2001**

James R. Adams	Director
David L. Boren	Director
James B. Busey IV	Director
Daniel A. Carp	Director
Thomas J. Engibous	Chairman of the Board
Gerald W. Fronterhouse	Director
David R. Goode	Director
Wayne R. Sanders	Director
Ruth J. Simmons	Director

**TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 31, 2001**

William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Gilles Delfassy	Senior Vice President
Thomas J. Engibous	Chairman, President, and Chief Executive Officer
Michael J. Hames	Senior Vice President
Joseph F. Hubach	Senior Vice President, Secretary and General Counsel
Chung Shing Lee	Senior Vice President
Stephen H. Leven	Senior Vice President
Syrus P. Madavi	Senior Vice President
Philip J. Ritter	Senior Vice President
Richard J. Schaar	Senior Vice President
M. Samuel Self	Senior Vice President, Controller and Chief Accounting Officer
Richard K. Templeton	Executive Vice President and Chief Operating Officer
Teresa L. West	Senior Vice President
Thomas Wroe	Senior Vice President

The address of the above-named Directors and Officers is:
12500 TI Boulevard, P.O. Box 660199, M/S 8658
Dallas, TX 75266-0199

Terms Expire: All are elected annually until successors are duly qualified.



PROFIT CORPORATION ANNUAL REPORT FOR THE YEAR 2001

Filing Period: January 1-March 1 • Filing Fee: \$50.00

(FORM MUST BE TYPED IN BLACK)

1. Corporate ID No. **25181** 2. Name of Corporation **TEXAS INSTRUMENTS INCORPORATED**

3. Street Address Principal Business Office
P.O. BOX 650311, MS 3998
City: Dallas State: TX Zip: 75265
4. Business Phone No. 972-917-6912 5. State of Incorporation **DELAWARE** 6. SIC Code **1115**

7. Brief Description of the Character of Business Conducted in Rhode Island

Sale of Electronics

8. NAMES AND ADDRESSES OF THE OFFICERS (*X* BOX FOR ATTACHMENT) X **FILL IN SPACES BEFORE USING ATTACHMENTS**

President Name Thomas J. Engibous Street Address 12500 TI Boulevard City: Dallas State: TX Zip: 75243			Vice President Name Richard K. Templeton Street Address 12500 TI Boulevard City: Dallas State: TX Zip: 75243		
Secretary Name Joseph F. Hubach Street Address 12500 TI Boulevard City: Dallas State: TX Zip: 75243			Treasurer Name William A. Aylesworth Street Address 12500 TI Boulevard City: Dallas State: TX Zip: 75243		

9. NAMES AND ADDRESSES OF THE DIRECTORS (*X* BOX FOR ATTACHMENT) X **FILL IN SPACES BEFORE USING ATTACHMENTS**

Director Name James R. Adams Street Address 12500 TI Boulevard City: Dallas State: TX Zip: 75243			Director Name David L. Boren Street Address 12500 TI Boulevard City: Dallas State: TX Zip: 75243		
Director Name James B. Busey IV Street Address 12500 TI Boulevard City: Dallas State: TX Zip: 75243			Director Name Daniel A. Carp Street Address 12500 TI Boulevard City: Dallas State: TX Zip: 75243		

10. SHARES AUTHORIZED (*X* BOX FOR ATTACHMENT)

Number of Shares	Class/Series	Par Value
2,400,000,000	Common	\$1
10,000,000	Preferred	\$25

11. SHARES ISSUED (*X* BOX FOR ATTACHMENT)

Number of Shares	Class/Series	Par Value
1,733,237,248	Common	\$1
0	Preferred	\$25

This report must be signed in ink by either the President, Vice President, Secretary, Assistant Secretary, Treasurer, Receiver or Trustee



* 2 5 1 8 1 *

File Date: 2/27
616797

Check No.: 2

By: _____

FOR SECRETARY OF STATE USE ONLY

Under penalty of perjury, I declare and affirm that I have examined this report, including any accompanying schedules and statements, and that all statements contained herein are true and correct.

William A. Aylesworth Feb 21, 2001
Signature of Officer Date

William A. Aylesworth
Print or Type Name of Officer

Senior Vice President, Treasurer & CFO
Title of Officer

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 31, 2000

James R. Adams	Director
David L. Boren	Director
James B. Busey IV	Director
Daniel A. Carp	Director
Thomas J. Engibous	Chairman of the Board
Gerald W. Fronterhouse	Director
David R. Goode	Director
Wayne R. Sanders	Director
Ruth J. Simmons	Director
Clayton K. Yeutter	Director

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 31, 2000

William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Gilles Delfassy	Senior Vice President
Thomas J. Engibous	Chairman, President, and Chief Executive Officer
Michael J. Hames	Senior Vice President
Joseph F. Hubach	Senior Vice President, Secretary and General Counsel
Stephen H. Leven	Senior Vice President
Keh-Shew Lu	Senior Vice President
Richard J. Schaar	Senior Vice President
Marvin S. Self	Senior Vice President, Controller and Chief Accounting Officer
Elwin L. Skiles, Jr.	Senior Vice President
Richard K. Templeton	Executive Vice President
Teresa L. West	Senior Vice President
Thomas Wroe	Senior Vice President

The address of the above-named Directors and Officers is:
12500 TI Boulevard, P.O. Box 660199, M/S 8658
Dallas, TX 75266-0199

Terms Expire: All are elected annually until successors are duly qualified.



PROFIT CORPORATION ANNUAL REPORT FOR THE YEAR 2000

Filing Period: January 1-March 1 • Filing Fee: \$50.00

(FORM MUST BE TYPED IN BLACK)

1. Corporate ID No. **25181** 2. Name of Corporation **TEXAS INSTRUMENTS INCORPORATED**

3. Street Address Principal Business Office
PO Box 650311, MS 3998

City State Zip
Dallas TX 75265

4. Business Phone No.
(972) 917-6912

5. State of Incorporation
DELAWARE

6. SIC Code
1115

7. Brief Description of the Character of Business Conducted in Rhode Island
Sale of Electronics

8. NAMES AND ADDRESSES OF THE OFFICERS (*X* BOX FOR ATTACHMENT) ☒ **FILL IN SPACES BEFORE USING ATTACHMENTS**

President Name
Thomas J. Engibous
Street Address
12500 TI Boulevard
City State Zip
Dallas TX 75243

Vice President Name
Elwin L. Skiles, Jr.
Street Address
12500 TI Boulevard
City State Zip
Dallas TX 75243

Secretary Name
Richard J. Agnich
Street Address
12500 TI Boulevard
City State Zip
Dallas TX 75243

Treasurer Name
William A. Aylesworth
Street Address
12500 TI Boulevard
City State Zip
Dallas TX 75243

9. NAMES AND ADDRESSES OF THE DIRECTORS (*X* BOX FOR ATTACHMENT) ☒ **FILL IN SPACES BEFORE USING ATTACHMENTS**

Director Name
James R. Adams
Street Address
12500 TI Boulevard
City State Zip
Dallas TX 75243

Director Name
David L. Boren
Street Address
12500 TI Boulevard
City State Zip
Dallas TX 75243

Director Name
Thomas J. Engibous
Street Address
12500 TI Boulevard
City State Zip
Dallas TX 75243

Director Name
James B. Busey IV
Street Address
12500 TI Boulevard
City State Zip
Dallas TX 75243

10. SHARES AUTHORIZED (*X* BOX FOR ATTACHMENT)

AUTHORIZED SHARES	Number of Shares	Class/Series	Par Value
	1,200,000,000	Common	\$1
	10,000,000	Preferred	\$25

11. SHARES ISSUED (*X* BOX FOR ATTACHMENT)

ISSUED SHARES	Number of Shares	Class/Series	Par Value
	813,926,025	Common	\$1
	0	Preferred	\$25

This report must be signed in ink by either the President, Vice President, Secretary, Assistant Secretary, Treasurer, Receiver or Trustee



* 2 5 1 8 1 *

File Date: 2/28/00

Check No.: 605156

By: RD

FOR SECRETARY OF STATE USE ONLY

Under penalty of perjury, I declare and affirm that I have examined this report, including any accompanying schedules and statements, and that all statements contained herein are true and correct.

William A. Aylesworth 2/21/00
Signature of Officer Date

William A. Aylesworth
Print or Type Name of Officer

Senior Vice President, Treasurer & CFO
Title of Officer

25781

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 31, 1999

James R. Adams	Director
David L. Boren	Director
James B. Busey IV	Director
Daniel A. Carp	Director
Thomas J. Engibous	Chairman of the Board
Gerald W. Fronterhouse	Director
David R. Goode	Director
Wayne R. Sanders	Director
Ruth J. Simmons	Director
Clayton K. Yeutter	Director

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 31, 1999

Richard J. Agnich	Senior Vice President, Secretary and General Counsel
William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Thomas J. Engibous	Chairman, President, and Chief Executive Officer
Stephen H. Leven	Senior Vice President
Keh-Shew Lu	Senior Vice President
John Scarisbrick	Senior Vice President
Richard J. Schaar	Senior Vice President
Marvin S. Self	Senior Vice President, Controller and Chief Accounting Officer
Elwin L. Skiles, Jr.	Senior Vice President
Richard K. Templeton	Executive Vice President
Teresa L. West	Senior Vice President
Delbert A. Whitaker	Senior Vice President
Thomas Wroe	Senior Vice President

The address of the above-named Directors and Officers is:
12500 TI Boulevard, P.O. Box 660199, M/S 8658
Dallas, TX 75266-0199

Terms Expire: All are elected annually until successors are duly qualified.



STATE OF RHODE ISLAND
AND PROVIDENCE PLANTATIONS
Office of the Secretary of State

James R. Langevin, Secretary of State
Corporations Division
100 North Main Street, Providence, RI 02903-1335
401-222-3040



PROFIT CORPORATION ANNUAL REPORT FOR THE YEAR **1999**

Filing Period: January 1-March 1 • Filing Fee: \$50.00

(FORM MUST BE TYPED IN BLACK)

1. Corporate ID No. **25181** 2. Name of Corporation **TEXAS INSTRUMENTS INCORPORATED**
3. Street Address Principal Business Office City State Zip
P.O. Box 650311, MS 3998 Dallas Texas 75265
4. Business Phone No. 5. State of Incorporation 6. SIC Code
(972) 917-6912 **DELAWARE** **1115**

7. Brief Description of the Character of Business Conducted in Rhode Island

Sale of Electronics

8. NAMES AND ADDRESSES OF THE OFFICERS ("X" BOX FOR ATTACHMENT) ☒ FILL IN SPACES BEFORE USING ATTACHMENTS

President Name	Vice President Name
Thomas J. Engibous	Elwin L. Skiles, Jr.
Street Address	Street Address
8505 Forest Lane	8505 Forest Lane
City State Zip	City State Zip
Dallas Texas 75243	Dallas Texas 75243
Secretary Name	Treasurer Name
Richard J. Agnich	William A. Aylesworth
Street Address	Street Address
8505 Forest Lane	8505 Forest Lane
City State Zip	City State Zip
Dallas Texas 75243	Dallas Texas 75243

9. NAMES AND ADDRESSES OF THE DIRECTORS ("X" BOX FOR ATTACHMENT) ☒ FILL IN SPACES BEFORE USING ATTACHMENTS

Director Name	Director Name
James R. Adams	David L. Boren
Street Address	Street Address
8505 Forest Lane	8505 Forest Lane
City State Zip	City State Zip
Dallas Texas 75243	Dallas Texas 75243
Director Name	Director Name
Thomas J. Engibous	James B. Busey IV
Street Address	Street Address
8505 Forest Lane	8505 Forest Lane
City State Zip	City State Zip
Dallas Texas 75243	Dallas Texas 75243

10. SHARES AUTHORIZED ("X" BOX FOR ATTACHMENT)

AUTHORIZED SHARES

Number of Shares	Class/Series	Par Value
1,200,000,000	Common	\$1
10,000,000	Preferred	\$25

11. SHARES ISSUED ("X" BOX FOR ATTACHMENT)

ISSUED SHARES

Number of Shares	Class/Series	Par Value
392,395,997	Common	\$1
0	Preferred	\$25

This report must be signed in ink by either the President, Vice President, Secretary, Assistant Secretary, Treasurer, Receiver or Trustee



* 2 5 1 8 1 *

File Date: 12/26/99

Check No.: 346041

By: [Signature]

FOR SECRETARY OF STATE USE ONLY

Under penalty of perjury, I declare and affirm that I have examined this report, including any accompanying schedules and statements, and that all statements contained herein are true and correct.

William A. Aylesworth 2/23/99
Signature of Officer Date

William A. Aylesworth
Print or Type Name of Officer

Senior Vice President, Treasurer & CFO
Title of Officer

**TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 31, 1998**

James R. Adams	Director
David L. Boren	Director
James B. Busey IV	Director
Daniel A. Carp	Director
Thomas J. Engibous	Chairman of the Board
Gerald W. Fronterhouse	Director
David R. Goode	Director
Wayne R. Sanders	Director
Gloria M. Shatto	Director
Clayton K. Yeutter	Director

**TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 31, 1998**

Richard J. Agnich	Senior Vice President, Secretary and General Counsel
William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Thomas J. Engibous	Chairman, President, and Chief Executive Officer
Stephen H. Leven	Senior Vice President
Keh-Shew Lu	Senior Vice President
John Scarisbrick	Senior Vice President
Richard J. Schaar	Senior Vice President
Marvin S. Self	Senior Vice President and Controller
Elwin L. Skiles, Jr.	Senior Vice President
Richard K. Templeton	Executive Vice President
Teresa L. West	Senior Vice President
Delbert A. Whitaker	Senior Vice President
Thomas Wroe	Senior Vice President

The address of the above-named Directors and Officers is:
8505 Forest Lane, P.O. Box 660199, M/S 8658
Dallas, TX 75266-0199

Terms Expire: All are elected annually until successors are duly qualified.



STATE OF RHODE ISLAND
AND PROVIDENCE PLANTATIONS
Office of the Secretary of State

James R. Langevin, Secretary of State
Corporations Division
100 North Main Street, Providence, RI 02903-1335
401-277-3040



PROFIT CORPORATION ANNUAL REPORT FOR THE YEAR **1998**

Filing Period: January 1-March 1 • Filing Fee: \$50.00

(FORM MUST BE TYPED IN BLACK)

1. Corporate ID No. **25181** 2. Name of Corporation **TEXAS INSTRUMENTS INCORPORATED**

3. Street Address Principal Business Office P.O. Box 650311, M/S 3998 City **Dallas** State **Texas** Zip **75265**

4. Business Phone No. (972) 917-6912 5. State of Incorporation **DELAWARE** 6. SIC Code **1115**

7. Brief Description of the Character of Business Conducted in Rhode Island
Sale of Electronics

8. NAMES AND ADDRESSES OF THE OFFICERS ("X" BOX FOR ATTACHMENT) ☒

President Name Thomas J. Engibous	Vice President Name Elwin L. Skiles, Jr.
Street Address 8505 Forest Lane	Street Address 8505 Forest Lane
City Dallas State Texas Zip 75243	City Dallas State Texas Zip 75243
Secretary Name Richard J. Agnich	Treasurer Name William A. Aylesworth
Street Address 8505 Forest Lane	Street Address 8505 Forest Lane
City Dallas State Texas Zip 75243	City Dallas State Texas Zip 75243

9. NAMES AND ADDRESSES OF THE DIRECTORS ("X" BOX FOR ATTACHMENT) ☒

Director Name James R. Adams	Director Name David L. Boren
Street Address 8505 Forest Lane	Street Address 8505 Forest Lane
City Dallas State Texas Zip 75243	City Dallas State Texas Zip 75243
Director Name Thomas J. Engibous	Director Name James B. Busey IV
Street Address 8505 Forest Lane	Street Address 8505 Forest Lane
City Dallas State Texas Zip 75243	City Dallas State Texas Zip 75243

10. SHARES AUTHORIZED ("X" BOX FOR ATTACHMENT)

Number of Shares	Class/Series	Par Value
500,000,000	Common	\$1
10,000,000	Preferred	\$25.

11. SHARES ISSUED ("X" BOX FOR ATTACHMENT)

Number of Shares	Class/Series	Par Value
390,359,317	Common	\$1
0	Preferred	\$25

This report must be signed in ink by either the President, Vice President, Secretary, Assistant Secretary, Treasurer, Receiver or Trustee



* 2 5 1 8 1 *

File Date: 3-2-98
4355
Check No.: WP
By: _____

FOR SECRETARY OF STATE USE ONLY

Under penalty of perjury, I declare and affirm that I have examined this report, including any accompanying schedules and statements, and that all statements contained herein are true and correct.

William A. Aylesworth 2/24/98
Signature of Officer Date
William A. Aylesworth
Print or Type Name of Officer
Senior Vice President, Treasurer & CFO
Title of Officer

**TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 31, 1997**

James R. Adams	Chairman of the Board
David L. Boren	Director
James B. Busey IV	Director
Daniel A. Carp	Director
Thomas J. Engibous	President and Chief Executive Officer
Gerald W. Fronterhouse	Director
David R. Goode	Director
Wayne R. Sanders	Director
Gloria M. Shatto	Director
William P. Weber	Vice Chairman
Clayton K. Yeutter	Director

**TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 31, 1997**

James R. Adams	Chairman of the Board
Thomas J. Engibous	President and Chief Executive Officer
William P. Weber	Vice Chairman
Gary D. Clubb	Executive Vice President
David D. Martin	Executive Vice President
Richard K. Templeton	Executive Vice President
Richard J. Agnich	Senior Vice President, Secretary and General Counsel
William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Charles F. Nielson	Vice President
Elwin L. Skiles, Jr.	Vice President

The address of the above-named Directors and Officers is:

8505 Forest Lane, P.O. Box 660199, M/S 8658, Dallas, Texas 75266-0199.

Terms Expire:

All are elected annually until successors are duly qualified.



STATE OF RHODE ISLAND
AND PROVIDENCE PLANTATIONS
Office of the Secretary of State

James R. Langevin, Secretary of State
Corporations Division
100 North Main Street, Providence, RI 02903-1335
401-277-3040

PROFIT CORPORATION ANNUAL REPORT 1997

Filing Period: January 1-March 1 • Filing Fee: \$50.00

(FORM MUST BE TYPED IN BLACK)



1. Corporate ID No.

25181

2. Name of Corporation

TEXAS INSTRUMENTS INCORPORATED

3. Street Address Principal Business Office

P.O. Box 650311, M/S 3998

City

Dallas

State

TX

Zip

75265

4. Business Phone No.

(972) 917-6912

5. State of Incorporation

DELAWARE

6. SIC Code

1115

7. Brief Description of the Character of Business Conducted in Rhode Island

Sale of electronics

8. NAMES AND ADDRESSES OF THE OFFICERS ("X" BOX FOR ATTACHMENT) X

President Name

Thomas J. Engibous

Vice President Name

Elwin L Skiles Jr.

Street Address

13500 North Central Expressway

Street Address

13500 North Central Expressway

City

Dallas

State

TX

Zip

75265

City

Dallas

State

TX

Zip

75265

Secretary Name

Richard J. Agnich

Treasurer Name

William A. Aylesworth

Street Address

13500 North Central Expressway

Street Address

13500 North Central Expressway

City

Dallas

State

TX

Zip

75265

City

Dallas

State

TX

Zip

75265

9. NAMES AND ADDRESSES OF THE DIRECTORS ("X" BOX FOR ATTACHMENT) X

Director Name

James R. Adams

Director Name

David L. Boren

Street Address

13500 North Central Expressway

Street Address

13500 North Central Expressway

City

Dallas

State

TX

Zip

75265

City

Dallas

State

TX

Zip

75265

Director Name

Thomas J. Engibous

Director Name

James B. Busey IV

Street Address

13500 North Central Expressway

Street Address

13500 North Central Expressway

City

Dallas

State

TX

Zip

75265

City

Dallas

State

TX

Zip

75265

10. SHARES AUTHORIZED AND ISSUED ("X" BOX FOR ATTACHMENT) X

AUTHORIZED SHARES

Number of Shares

Class/Series

Par Value

500,000,000

Common

\$1

10,000,000

Preferred

\$25

ISSUED SHARES

Number of Shares

Class/Series

Par Value

190,396,797

Common

\$1.00

0

Preferred

\$25

This report must be signed in ink by either the President, Vice President, Secretary, Assistant Secretary, Treasurer, Receiver or Trustee



* 2 5 1 8 1 *

File Date:

2/18/97
341887

Check No.:

By:

Oct / JEL

FOR SECRETARY OF STATE USE ONLY

Under penalty of perjury, I declare and affirm that I have examined this report, including any accompanying schedules and statements, and that all statements contained herein are true and correct.

William A. Aylesworth Feb 10, 1997

Signature of Officer

Date

William A. Aylesworth

Print or Type Name of Officer

Senior Vice President, Treasurer & CFO

Title of Officer

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS
AS OF December 31, 1996

James R. Adams	Chairman of the Board
Thomas J. Engibous	President and Chief Executive Officer
David L. Boren	Director
James B. Busey IV	Director
Gerald W. Fronterhouse	Director
David R. Goode	Director
* William B. Mitchell	Vice Chairman
Gloria M. Shatto	Director
William P. Weber	Vice Chairman
Clayton K. Yeutter	Director

TEXAS INSTRUMENTS INCORPORATED
OFFICERS
AS OF DECEMBER 31, 1996

James R. Adams	Chairman of the Board
Thomas J. Engibous	President and Chief Executive Officer
* William B. Mitchell	Vice Chairman
William P. Weber	Vice Chairman
Richard J. Agnich	Senior Vice President, Secretary and General Counsel
William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Gary D. Clubb	Executive Vice President
* Marvin M. Lane, Jr.	Vice President and Corporate Controller
David D. Martin	Executive Vice President
Charles F. Nielson	Vice President
Elwin L. Skiles, Jr.	Vice President
Richard K. Templeton	Executive Vice President
David W. Welp	Executive Vice President

The address of the above-named Directors and Officers is:
P.O. Box 655474, 13500 North Central Expressway
Dallas, TX 75265

Terms Expire:

All are elected annually until successors are duly qualified.

* Last day as officer; retired effective 12/31/96.

PROFIT CORPORATION
ANNUAL REPORT

1996



State of Rhode Island and Providence Plantations
James R. Langevin, Secretary of State
Corporations Division
100 North Main Street
Providence, Rhode Island 02903-1335 • (401) 277-3040

Filing Period: January 1-March 1
Filing Fee: \$50.00

PLEASE TYPE OR PRINT IN BLACK INK.

1. CORPORATE ID NO. 25181
2. NAME OF CORPORATION TEXAS INSTRUMENTS INCORPORATED
3. STREET ADDRESS PRINCIPAL BUSINESS OFFICE P.O. Box 650311 M/S 3998 CITY Dallas STATE TX ZIP CODE 75265
4. BUSINESS PHONE NO. (214)917-6912
5. STATE OF INCORPORATION DELAWARE
6. SAC CODE 1115
7. BRIEF DESCRIPTION OF THE CHARACTER OF BUSINESS CONDUCTED IN RHODE ISLAND Sale of electronics

8. NAMES AND ADDRESSES OF THE OFFICERS

PRESIDENT NAME Jerry R. Junkins
STREET ADDRESS 13500 North Central Expressway
CITY Dallas STATE TX ZIP CODE 75265
VICE PRESIDENT NAME Elwin L. Skiles, Jr.
STREET ADDRESS 13500 North Central Expressway
CITY Dallas STATE TX ZIP CODE 75265
SECRETARY NAME Richard J. Agnich
STREET ADDRESS 13500 North Central Expressway
CITY Dallas STATE TX ZIP CODE 75265
TREASURER NAME William A. Aylesworth
STREET ADDRESS 13500 North Central Expressway
CITY Dallas STATE TX ZIP CODE 75265

9. NAMES AND ADDRESSES OF THE DIRECTORS

DIRECTOR NAME Jerry R. Junkins
STREET ADDRESS 13500 North Central Expressway
CITY Dallas STATE TX ZIP CODE 75265
DIRECTOR NAME James R. Adams
STREET ADDRESS 13500 North Central Expressway
CITY Dallas STATE TX ZIP CODE 75265
DIRECTOR NAME James B. Busey IV
STREET ADDRESS 13500 North Central Expressway
CITY Dallas STATE TX ZIP CODE 75265
DIRECTOR NAME Gerald W. Fronterhouse
STREET ADDRESS 13500 North Central Expressway
CITY Dallas STATE TX ZIP CODE 75265

10. SHARES AUTHORIZED AND ISSUED

AUTHORIZED SHARES			ISSUED SHARES		
NUMBER OF SHARES	CLASS / SERIES	PAR VALUE	NUMBER OF SHARES	CLASS / SERIES	PAR VALUE

SEE ATTACHED

This report must be SIGNED IN INK by either the President, Vice President, Secretary, Assistant Secretary, Treasurer, Receiver or Trustee

Under penalty of perjury, I declare and affirm that I have examined this report, including any accompanying schedules and statements, and that all statements contained herein are true and correct.

Signature of Officer William A. Aylesworth
Print or Type Name of Officer William A. Aylesworth
Sr. V.P., Treasurer,
Date 2/10/96

File Date: 3/18/96
Check No: 332844
By: OCT

For Secretary of State Use Only

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 31, 1995

✓ Jerry R. Junkins	Chairman, President and Chief Executive Officer
✓ James R. Adams	Director
✓ James B. Busey IV	Director
✓ Gerald W. Fronterhouse	Director
William S. Lee	Director
William B. Mitchell	Vice Chairman
Gloria M. Shatto	Director
William P. Weber	Vice Chairman
Clayton K. Yeutter	Director
David L. Boren	Director

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 31, 1995

✓ Jerry R. Junkins	Chairman of the Board, President and Chief Executive Officer
William B. Mitchell	Vice Chairman
William P. Weber	Vice Chairman
Gary D. Clubb	Executive Vice President
Thomas J. Engibous	Executive Vice President
William F. Hayes	Executive Vice President
David D. Martin	Executive Vice President
✓ Richard J. Agnich	Senior Vice President, Secretary and General Counsel
✓ William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Marvin M. Lane, Jr.	Vice President and Corporate Controller
Charles F. Nielson	Vice President
✓ Elwin L. Skiles, Jr.	Vice President

The address of the above-named Directors and Officers is:
P.O. Box 655474, 13500 North Central Expressway
Dallas, TX 75265

Terms Expire:

All are elected annually until successors are duly qualified.

Texas Instruments Incorporated
FEIN: 75-0289970
Rhode Island 1996 Annual Report

No. of Shares Authorized	Class	Par Value
300,000,000	Common	\$1
10,000,000	Preferred	\$25

No. of Shares Issued	Class	Par Value
189,388,810	Common	\$1
0	Preferred	\$25

State of Rhode Island and Providence Plantations



Office of The Secretary of State
100 North Main Street
Providence, Rhode Island 02903-1335
401-277-3040

ANNUAL REPORT

Please Type or Print
File Annually - Jan. 1 - March 1
Filing Fee \$50.00

Make Checks Payable to: Secretary of State

ALL ENTRIES MUST BE COMPLETED IN FULL OR THE FORM WILL BE RETURNED.

0025181

1995

Corporate ID:

Annual Report for the year:

TEXAS INSTRUMENTS INCORPORATED

Name of Corporation:

Business entity organized under the laws of the State of: Delaware

Business Entity is (check one):

For foreign entity, address and telephone number of principal office:

[x] Business Corporation (See RIGL Chapter 7-1.1)

P.O. Box 650311, M/S 3998

[] Professional Service Corporation (See RIGL Chapter 7-5.1)

Dallas, Texas 75265

Brief statement of the character of business conducted in Rhode Island:

Sale of Electronics

Phone: (214) 917-6912

Address and telephone of the principal office of business entity in Rhode Island (Provide street address - Not P.O. Box):

Phone: ()

THE NAMES OF THE OFFICERS ARE:

OFFICER	STREET ADDRESS	CITY/STATE	ZIP CODE
PRESIDENT			
VICE PRESIDENT			
SECRETARY			
TREASURER			

THE NAMES OF THE DIRECTORS ARE:

NAME	STREET ADDRESS	CITY/STATE	ZIP CODE

NUMBER OF SHARES AUTHORIZED (Rider may be attached)

NUMBER OF SHARES ISSUED AND OUTSTANDING (Rider may be attached)

Number of Shares

Class / Series

Number of Shares

Class / Series

Date Feb 17, 1995

By: William A. Aylesworth

Form 31 1/95

William A. Aylesworth
Senior Vice President, Treasurer, CEO

DESIGNATED REGISTERED AGENT FOR SERVICE OF PROCESS:

PLEASE NOTE: If the registered office and/or registered agent indicated below is incorrect, Form 9 must be filed.

CT CORPORATION SYSTEM
123 DYER STREET
PROVIDENCE RI 02903

FILED

FEB 24 1995

By: RAR

333996

Texas Instruments Incorporated
FEIN: 75-0289970
Rhode Island 1995 Annual Report

No. of Shares Authorized	Class	Par Value
300,000,000	Common	\$1
10,000,000	Preferred	\$25

No. of Shares Issued	Class	Par Value
92,682,822	Common	\$1
0	Preferred	\$25

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 31, 1994

Jerry R. Junkins	Chairman, President and Chief Executive Officer
James R. Adams	Director
James B. Busey IV	Director
Gerald W. Fronterhouse	Director
William S. Lee	Director
William B. Mitchell	Vice Chairman
David M. Roderick	Director
Gloria M. Shatto	Director
William P. Weber	Vice Chairman
Clayton K. Yeutter	Director

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 31, 1994

Jerry R. Junkins	Chairman of the Board, President and Chief Executive Officer
William B. Mitchell	Vice Chairman
William P. Weber	Vice Chairman
Gary D. Clubb	Executive Vice President
Thomas J. Engibous	Executive Vice President
William F. Hayes	Executive Vice President
David D. Martin	Executive Vice President
Richard J. Agnich	Senior Vice President, Secretary and General Counsel
William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Nicholas K. Brookes	Vice President
Marvin M. Lane, Jr.	Vice President and Corporate Controller
Charles F. Nielson	Vice President
Elwin L. Skiles, Jr.	Vice President

The address of the above-named Directors and Officers is:
P.O. Box 655474, 13500 North Central Expressway
Dallas, TX 75265

Terms Expire:

All are elected annually until successors are duly qualified.

Filing Fee \$50.00
Payable to:
Secretary of State

PLEASE TYPE or PRINT
State of Rhode Island and Providence Plantations
Office of The Secretary of State
100 North Main Street
Providence, Rhode Island 02903 1335
401 277-3040

File Annually
LLC Sep 1 - Nov 1
CORP Jan 1 - March 1

Corporate ID: 0025181 Annual Report for the year: 1994

Name of Business Entity: TEXAS INSTRUMENTS INCORPORATED

Business entity organized under the laws of the State of Delaware

Federal Taxpayer Identification Number [REDACTED]

For foreign entity, address and telephone number of principal office:

13500 N. Central Expressway

Dallas, TX 75243

Phone (214) 917-6916

Address and telephone of the principal office of business entity in Rhode Island (Provide street address - Not P.O. Box)

CT Corporation

123 Dyer Street

Providence, RI 02903

Phone: [REDACTED]

Business Entity is (check one):

- ☒ Business Corporation (See RIGL Chapter 7-1.1)
☐ Professional Service Corporation (See RIGL Chapter 7-5.1)
☐ Limited Liability Company (See RIGL 7-16)

Name, title and mailing address of contact person to whom communications may be directed

Roger Hohnstein

P.O. Box 650311 M/S 3998

Dallas, TX 75265

214-917-6916

Brief statement of the character of business conducted in Rhode Island:

Sale & lease of electronic equipment

Date of Organization: 12/23/38

Date of Qualification to do business in Rhode Island (if foreign entity):
1/14/76

THE NAMES OF THE OFFICERS ARE:

☐ CHIEF EXECUTIVE OFFICER OR ☐ PRESIDENT (Check One) STREET ADDRESS CITY STATE ZIP CODE

☐ CHIEF OPERATING OFFICER OR ☐ VICE PRESIDENT (Check One) STREET ADDRESS CITY STATE ZIP CODE

☐ CUSTODIAN OF RECORDS OR ☐ SECRETARY (Check One) STREET ADDRESS CITY STATE ZIP CODE

☐ CHIEF FINANCIAL OFFICER OR ☐ TREASURER (Check One) STREET ADDRESS CITY STATE ZIP CODE

THE NAMES OF THE DIRECTORS ARE:

NAME STREET ADDRESS CITY STATE ZIP CODE

NAME STREET ADDRESS CITY STATE ZIP CODE

NAME STREET ADDRESS CITY STATE ZIP CODE

NUMBER OF SHARES AUTHORIZED (If Applicable)

NUMBER

CLASS

SERIES

PAR VALUE OR
WITHOUT PAR

NUMBER OF SHARES ISSUED AND OUTSTANDING (If Applicable)

NUMBER

CLASS

SERIES

PAR VALUE OR
WITHOUT PAR

Date Feb 24 19 94

FILED

FEB 28 1994

323213

By William A. Aylesworth

William A. Aylesworth

PRINT OR TYPE NAME OF OFFICER SIGNING

Senior Vice President, Treasurer and Chief
TITLE OF OFFICER SIGNING Financial Officer

Form 31 1-94

DESIGNATED REGISTERED OR RESIDENT AGENT FOR SERVICE OF PROCESS:

PLEASE NOTE: If the Corporation has changed its registered office and/or registered or resident agent, Form 9 or Form LLC 3 must be filed

CT CORPORATION SYSTEM
123 DYER STREET
PROVIDENCE RI 02903

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 31, 1993

Jerry R. Junkins	Chairman, President and Chief Executive Officer
James R. Adams	Director
James B. Busey IV	Director
Gerald W. Fronterhouse	Director
William S. Lee	Director
William B. Mitchell	Executive Vice President
David M. Roderick	Director
Gloria M. Shatto	Director
William P. Weber	Executive Vice President
Clayton K. Yeutter	Director

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 31, 1993

Jerry R. Junkins	Chairman of the Board, President and Chief Executive Officer
William B. Mitchell	Vice Chairman
William P. Weber	Vice Chairman
Gary D. Clubb	Executive Vice President
Thomas J. Engibous	Executive Vice President
William F. Hayes	Executive Vice President
David D. Martin	Executive Vice President
Richard J. Agnich	Senior Vice President, Secretary and General Counsel
William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Nicholas K. Brookes	Vice President
Marvin M. Lane, Jr.	Vice President and Corporate Controller
Charles F. Nielson	Vice President
Elwin L. Skiles, Jr.	Vice President
John W. White	Vice President
Joseph D. Zimmerman	Vice President

The address of the above-named Directors and Officers is:
P.O. Box 655474, 13500 North Central Expressway
Dallas, TX 75265

Terms Expire:

All are elected annually until successors are duly qualified.

TEXAS INSTRUMENTS INCORPORATED
FEIN 75-0289970

<u># OF SHARES</u> <u>AUTHORIZED</u>	<u>CLASS</u>	<u>PAR</u> <u>VALUE</u>
---	--------------	----------------------------

300,000,000	Common	\$1
10,000,000	Preferred	\$25

<u># OF SHARES</u> <u>ISSUED</u>	<u>CLASS</u>	<u>PAR</u> <u>VALUE</u>
-------------------------------------	--------------	----------------------------

90,919,314	Common	\$1
<u>(102,522)</u>	Less Treasury Stock	
90,816,792	Common stock issued and outstanding	
0	Preferred	\$25

Filing Fee \$50.00

To be filed annually between
January 1st and March 1st

State of Rhode Island and Providence Plantations

CORPORATIONS DIVISION
100 NORTH MAIN STREET
PROVIDENCE, RHODE ISLAND 02903

214327

Corporate ID 0025181 Annual Report for the year 1993

FIRST: The name of the corporation is TEXAS INSTRUMENTS INCORPORATED

SECOND: It is incorporated under the laws of DELAWARE

THIRD: Character of business, briefly stated, is MANUFACTURE, SALE, LEASE AND SERVICE OF
ELECTRONIC PRODUCTS AND EQUIPMENT

FOURTH: If foreign corporation, address of its principal office 13500 N. Central Expressway
Dallas, TX 75243

FIFTH: Business address in Rhode Island CT Corporation, 123 Dyer Street,
Providence, Rhode Island 02903

SIXTH: Names and addresses of its directors and officers: (Attach rider if necessary)

Name

Office

Address (including number, street, zip code)

SEE ATTACHED

Director

Director

Director

President

Vice President

Secretary

Treasurer

SEVENTH: Number of Shares authorized:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
300,000,000	Common		\$ 1.00
8,500,000	Preferred		25.00
1,500,000	Preferred, Cumulative		25.00

EIGHTH: Number of Shares issued:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
82,703,207	Common		\$ 1.00
2,779,996	Preferred		25.00
0	Preferred, Cumulative		25.00

PAID
FEB 24 1993
SECY OF STATE

Dated Feb 19 1993

TEXAS INSTRUMENTS INCORPORATED

(Name of Corporation)

By William A. Aylesworth

Title Senior Vice President, Treasurer and
Chief Financial Officer

(Report must be signed by an officer)

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 1, 1992

Jerry R. Junkins	Chairman, President and Chief Executive Officer
James R. Adams	Director
James B. Busey IV	Director
Bernard M. Fauber	General Director
Gerald W. Fronterhouse	General Director
David C. Garrett	General Director
Robert A. Hanson	Director
William S. Lee	Director
William B. Mitchell	Executive Vice President
David M. Roderick	General Director
Gloria M. Shatto	Director
Mark Shepherd, Jr.	General Director
John C. Toomay	General Director
William P. Weber	Executive Vice President
Clayton K. Yeutter	Director

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 1, 1992

Jerry R. Junkins	Chairman, President and Chief Executive Officer
William B. Mitchell	Executive Vice President
William P. Weber	Executive Vice President
Richard J. Agnich	Senior Vice President, Secretary and General Counsel
William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Marvin M. Lane, Jr.	Vice President and Corporate Controller
William F. Hayes	Vice President
David D. Martin	Vice President
Charles F. Nielson	Vice President
Walden C. Rhines	Vice President
Elwin L. Skiles, Jr.	Vice President
John W. White	Vice President
Joseph D. Zimmerman	Vice President

The address of the above-named Directors and Officers is:
P.O. Box 655474, 13500 North Central Expressway
Dallas, TX 75265

Terms Expire:

All are elected annually until successors are duly qualified.

Filing Fee \$50.00

To be filed annually between
January 1st and March 1st

State of Rhode Island and Providence Plantations

CORPORATIONS DIVISION
100 NORTH MAIN STREET
PROVIDENCE, RHODE ISLAND 02903

Corporate ID 0025161 Annual Report for the year 1992

FIRST: The name of the corporation is TEXAS INSTRUMENTS INCORPORATED

SECOND: It is incorporated under the laws of Delaware

THIRD: Character of business, briefly stated, is Manufacture, sale, lease and service of electronic products and equipment

FOURTH: If foreign corporation, address of its principal office 13500 N. Central Expressway Dallas, Texas 75243

FIFTH: Business address in Rhode Island CT Corporation, 123 Dyer Street Providence, Rhode Island 02903

SIXTH: Names and addresses of its directors and officers: (Attach rider if necessary)

Name	Office	Address (including number, street, zip code)
------	--------	--

See Attached	Director	
--------------	----------	--

	Director	
--	----------	--

	Director	
--	----------	--

	President	
--	-----------	--

	Vice President	
--	----------------	--

	Secretary	
--	-----------	--

	Treasurer	
--	-----------	--

SEVENTH: Number of Shares authorized:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
300,000,000	Common		\$ 1.00
8,500,000	Preferred		\$25.00
1,500,000	Preferred, Cumulative		\$25.00

EIGHTH: Number of Shares issued:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
82,236,059	Common		\$ 1.00
2,778,500	Convertible Money Market Preferred		\$25.00
2,958	Market Auction Preferred		\$25.00

Dated Feb 13 19 92

Texas Instruments Incorporated

(Name of Corporation)

By

William A. Ayresworth

Title

Senior Vice President, Treasurer, and Chief Financial Officer

(Report must be signed by an officer)

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
December 31, 1991

Jerry R. Junkins	Chairman, President and Chief Executive Officer
James R. Adams	Director
Bernard M. Fauber	General Director
Gerald W. Fronterhouse	General Director
David C. Garrett	General Director
Robert A. Hanson	Director
William S. Lee	Director
William B. Mitchell	Executive Vice President
David M. Roderick	General Director
Mark Shepherd, Jr.	General Director
John C. Toomay	General Director
William P. Weber	Executive Vice President

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
December 31, 1991

Jerry R. Junkins	Chairman, President and Chief Executive Officer
William B. Mitchell	Executive Vice President
William P. Weber	Executive Vice President
Richard J. Agnich	Senior Vice President, Secretary and General Counsel
William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Marvin M. Lane, Jr.	Vice President and Corporate Controller
Hank Hayes	Vice President
David D. Martin	Vice President
James W. Martin	Vice President
Charles F. Nielson	Vice President
Walden C. Rhines	Vice President
John W. White	Vice President
Joseph D. Zimmerman	Vice President, Corporate Services

The address of the above-named Directors and Officers is:
P.O. Box 655474, 13500 North Central Expressway
Dallas, TX 75265

Terms Expire:

All are elected annually until successors are duly qualified.

State of Rhode Island and Providence Plantations

CORPORATIONS DIVISION
100 NORTH MAIN STREET
PROVIDENCE, RHODE ISLAND 02903

Corporate ID 0025181 Annual Report for the year 1991

FIRST: The name of the corporation is TEXAS INSTRUMENTS INCORPORATED

SECOND: It is incorporated under the laws of Delaware

THIRD: Character of business, briefly stated, is Manufacture, sale, lease and service of
electronic products and equipmentFOURTH: If foreign corporation, address of its principal office 13500 N. Central Expressway
Dallas, Texas 75243FIFTH: Business address in Rhode Island CT Corporation, 123 Dyer Street
Providence, Rhode Island 02903

SIXTH: Names and addresses of its directors and officers: (Attach rider if necessary)

Name	Office	Address (including number, street, zip code)
See Attached	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

SEVENTH: Number of Shares authorized:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
300,000,000	Common		\$1.00
8,500,000	Preferred		\$25.00
1,500,000	Preferred, Cumulative		\$25.00

EIGHTH: Number of Shares issued:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
81,881,356	Common		\$1.00
3,000	Market Auction Preferred		\$25.00
2,208	Convertible Money Market Preferred		\$25.00

Dated January 31 1991

Texas Instruments Incorporated
(Name of Corporation)

By William A. Aylesworth

(Report must be signed by an officer)

Title Senior Vice President, Treasurer and
Chief Financial Officer

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
January 31, 1991

Jerry R. Junkins	Chairman, President and Chief Executive Officer
James R. Adams	Director
Bernard M. Fauber	General Director
Gerald W. Fronterhouse	General Director
David C. Garrett	General Director
Robert A. Hanson	Director
William S. Lee	Director
William B. Mitchell	Executive Vice President (President, Defense systems and Electronics Group)
David M. Roderick	General Director
Mark Shepherd, Jr.	General Director
John C. Toomay	General Director
William P. Weber	Executive Vice President (President, Semiconductor Group)

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
January 31, 1991

Jerry R. Junkins	Chairman, President and Chief Executive Officer
William I. George	Executive Vice President
William B. Mitchell	Executive Vice President (President, Defense Systems and Electronics Group)
William P. Weber	Executive Vice President (President, Semiconductor Group)
George H. Heilmeyer	Senior Vice President and Chief Technical Officer
Richard J. Agnich	Senior Vice President, Secretary and General Counsel
William A. Aylesworth	Senior Vice President, Treasurer and Chief Financial Officer
Marvin M. Lane, Jr.	Vice President and Corporate Controller
David D. Martin	Vice President
James W. Martin	Vice President
Walden C. Rhines	Vice President (Executive Vice President, Semiconductor Group)
Liston M. Rice, Jr.	Vice President, Corporate Communications/Marketing
John W. White	Vice President (President, Information Technology Group)
Joseph D. Zimmerman	Vice President, Corporate Services
Clara C. O'Donnell	Assistant Secretary

The address of the above-named Directors and Officers is:
P.O. Box 655474, 13500 North Central Expressway
Dallas, TX 75265

Terms Expire:

All are elected annually until successors are duly qualified.

State of Rhode Island and Providence Plantations

CORPORATIONS DIVISION
100 NORTH MAIN STREET
PROVIDENCE, RHODE ISLAND 02903

Corporate ID 0025181 Annual Report for the year 1990

FIRST: The name of the corporation is TEXAS INSTRUMENTS INCORPORATED

SECOND: It is incorporated under the laws of DELAWARE

THIRD: Character of business, briefly stated, is MANUFACTURE, SALE, LEASE & SERVICE OF
ELECTRONIC PRODUCTS & EQUIPMENT

FOURTH: If foreign corporation, address of its principal office 13500 N. CENTRAL EXPRESSWAY
DALLAS, TX 75243

FIFTH: Business address in Rhode Island CT CORPORATION, 123 DYER STREET
PROVIDENCE, RHODE ISLAND 02903

SIXTH: Names and addresses of its directors and officers: (Attach rider if necessary)

Name Office Address (including number, street, zip code)

SEE ATTACHED

Director

Director

Director

President

Vice President

Secretary

Treasurer

SEVENTH: Number of Shares authorized:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
300,000,000	Common		\$1.00
10,000,000	Preferred		25.00
1,500,000	Preferred, Cumulative		1.00

EIGHTH: Number of Shares issued:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
81,606,649	Common		\$1.00
5,208	Preferred		25.00

Dated 2/28/ 1990

TEXAS INSTRUMENTS INCORPORATED
(Name of Corporation)

By

MM Lane

As ERM

(Report must be signed by an officer)

Title: VICE-PRESIDENT AND CORPORATE CONTROLLER

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF
February 1, 1990

Jerry R. Junkins	7045 Oakbluff Drive Dallas, TX 75240	Chairman, President and Chief Executive Officer
James R. Adams	17 Countryside Lane St. Louis, MO 63131	Director
Bernard M. Fauber	10883 Oak Knoll Drive Ojai, CA 93023	General Director
Gerald W. Fronterhouse	3917 Gillon Dallas, TX 75205	General Director
David C. Garrett	4261 Harrogate Dr. N.W. Atlanta, GA 30327	General Director
Robert A. Hanson	2200 29th Ave Ct. Moline, IL 61265	Director
William B. Mitchell	6572 Lafayette Way Dallas, TX 75230	Executive Vice President (President, Defense Systems and Electronics Group)
David M. Roderick	550 Squaw Run Road Pittsburgh, PA 15238	General Director
Mark Shepherd, Jr.	5006 Middlegate Road Dallas, TX 75229	General Director
John C. Toomay	7103 Primrose Way Carlsbad, CA 92008	General Director
William P. Weber	7405 Winterwood Dallas, TX 75248	Executive Vice President (President, Semiconductor Group)

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF
February 1, 1990

Jerry R. Junkins	7045 Oakbluff Drive Dallas, TX 75240	Chairman, President and Chief Executive Officer
William I. George	2709 Colonial Circle McKinney, TX 75240	Executive Vice President

William B. Mitchell	6572 Lafayette Way Dallas, TX 75230	Executive Vice President (President, Defense Systems and Electronics Group)
William P. Weber	7405 Winterwood Dallas, TX 75248	Executive Vice President (President, Semiconductor Group)
George H. Heilmeyer	7120 Top Hill Circle Dallas, TX 75248	Senior Vice President and Chief Technical Officer
Richard J. Agnich	9446 Hathaway Dallas, TX 75220	Senior Vice President, Secretary and General Counsel
William A. Aylesworth	821 Dublin Richardson, TX 75080	Senior Vice President, Treasurer and Chief Financial Officer
Marvin M. Lane, Jr.	7715 Fallmeadow Lane Dallas, TX 75080	Vice President and Corporate Controller
James W. Martin	3001 Creeks Edge Pkwy Austin, TX 78733	Vice President
David D. Martin	4352 San Carlos Dallas, TX 75205	Vice President
Walden C. Rhines	9963 Rockbrook Dr. Dallas, TX 75220	Vice President (Executive Vice President Semiconductor Group)
Liston M. Rice, Jr.	4433 Lorraine Ave Dallas, TX 75205	Vice President, Corporate Communications/ Marketing
John W. White	12307 Brittany Circle Dallas, TX 75230	Vice President, (President, Information Technology Group)
Joseph D. Zimmerman	5335 S. Dentwood Dallas, TX 75220	Vice President, Corporate Services
Clara C. O'Donnell	6519 Clubhouse Circle Dallas, TX 75240	Assistant Secretary

The address of the above-named Directors and Officers is:
P.O. Box 655474, 13500 North Central Expressway
Dallas, TX 75265

Terms Expire:

All are elected annually until successors are duly qualified.

Filing Fee \$15.00

To be filed annually between
January 1st and March 1st

State of Rhode Island and Providence Plantations

CORPORATIONS DIVISION
270 WESTMINSTER MALL
PROVIDENCE, RHODE ISLAND 02903

Corporate ID 25181 Annual Report for the year 1989

FIRST: The name of the corporation is Texas Instruments Incorporated

SECOND: It is incorporated under the laws of Delaware

THIRD: Character of business, briefly stated, is Manufacture, sale, lease and service of electronic products and/or equipment

FOURTH: If foreign corporation, address of its principal office 13500 N. Central Expressway
Dallas, Texas 75243

FIFTH: Business address in Rhode Island CT Corporation
123 Dyer Street
Providence, Rhode Island 02903

SIXTH: Names and addresses of its directors and officers: (Attach under if necessary)

Name	Office	Address (including number, street, zip code)
<u>See Attached</u>	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

SEVENTH: Number of Shares authorized:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
<u>309,000,000</u>	<u>Common</u>		<u>\$ 1.00</u>
<u>10,000,000</u>	<u>Preferred</u>		<u>\$ 25.00</u>

EIGHTH: Number of Shares issued:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
<u>80,746,272</u>	<u>Common</u>	<u>PAID</u>	<u>\$ 1.00</u>
<u>5,208</u>	<u>Preferred</u>		<u>\$ 25.00</u>

Dated Feb 21 1989

Texas Instruments Incorporated
(Name of Corporation)

By William A. Aylerworth

Title Senior Vice President, Chief Financial Officer, and Treasurer

(Report must be signed by an officer)

TEXAS INSTRUMENTS INCORPORATED
CORPORATE OFFICERS AS OF DECEMBER 31, 1988

Jerry R. Junkins 7045 Oakbluff Drive Dallas, Texas 75240	Chairman, President, and Chief Executive Officer	Director
William I. George 2709 Colonial Circle McKinney Texas 75069	Executive Vice President	
William B. Mitchell 6572 Lafayette Way Dallas, Texas 75230	Executive Vice President (President, Defense Systems and Electronics Group)	
William P. Weber 7405 Winterwood Dallas, Texas 75248	Executive Vice President (President, Semiconductor Group)	Director
George H. Heilmeier 7120 Top Hill Circle Dallas, Texas 75248	Senior Vice President and Chief Technical Officer	
Richard J. Agnich 4934 Crooked Lane Dallas, Texas 75229	Senior Vice President, Secretary and General Counsel	
William A. Aylesworth 821 Dublin Unit 123 Richardson Texas 75080	Senior Vice President, Chief Financial Officer and Treasurer	

Business address of the above named officers is: P O Box 655474
13500 North Central Expressway, Dallas, Texas 75265

TEXAS INSTRUMENTS INCORPORATED
CORPORATE OFFICERS AS OF DECEMBER 31, 1988

Marvin M. Lane, Jr. 7715 Fallmeadow Lane Dallas, Tx 75248	Vice President and Corporate Controller
---	--

David D. Martin 43 Follett Street Cumberland, RI 02864	Vice President (President, Materials and Controls Group)
--	--

Walden C. Rhines 4309 Canyonside Austin, Texas 78731	Vice President (Executive Vice President) Semiconductor Group)
--	--

Liston M. Rice, Jr. 4433 Lorraine Avenue Dallas, Texas 75205	Vice President, Corporate Communication/Marketing
--	--

William E. Wetzel 9029 Meadowknoll Dallas, Texas 75231	Vice President, Corporate Personnel
--	--

Joseph D. Zimmerman 5335 South Dentwood Dallas, Texas, 75220	Vice President, Corporate Services
--	---------------------------------------

Clara C. O'Donnell 6519 Clubhouse Circle Dallas, Texas 75240	Assistant Secretary
--	---------------------

James W. Martin 3001 Creeks Edge Pkwy Austin, Texas 78733	Vice President (President, Data Systems Group)
---	--

Business Address of the above named officers is: P O Box 655474,
13500 North Central Expressway, Dallas, Texas 75265.

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS
AS OF DECEMBER 31, 1988

Jerry R. Junkins
7045 Oakbluff Drive
Dallas, Texas 75240

Chairman, President, and
Chief Executive Officer

Mark Shepherd, Jr.
5006 Middlegate Road
Dallas, Texas 75229

General Director

William P. Weber
7405 Winterwood
Dallas, Texas 75248

Executive Vice President

David M. Roderick
550 Squaw Run Road
Pittsburg, Pennsylvania 15238

Director

Gerald W. Fronterhouse
3917 Gillon
Dallas, Texas 75205

General Director

David C. Garrett, Jr.
4261 Harrogate Drive N. W.
Atlanta, Georgia 30327

General Director

Edward R. Kane
607 Old Kennett Road
Wilmington, Delaware 19807

General Director

John C. Toomay
7103 Primrose Way
Carlsbad, California 92008

General Director

Bernard M. Fauber
10883 Oak Knoll Dr.
Ojai, California 93023

Director

James R. Adams
1010 Pine Street Room 2600
ST. Louis, Missouri 63101

Director

Business address of the above named directors is:
P. O. Box 655474, 13500 North Central Expressway
Dallas, Texas 75265

Filing Fee \$15.00

To be filed annually between
January 1st and March 1st

State of Rhode Island and Providence Plantations

CORPORATIONS DIVISION
270 WESTMINSTER MALL
PROVIDENCE, RHODE ISLAND 02903

Corporate ID 25181 Annual Report for the year 1988

FIRST: The name of the corporation is TEXAS INSTRUMENTS INCORPORATED

SECOND: It is incorporated under the laws of Delaware

THIRD: Character of business, briefly stated, is Manufacture, sale lease and service of
electronic products and/or equipment

FOURTH: If foreign corporation, address of its principal office 13500 North Central Expressway
Dallas, Texas 75243

FIFTH: Business address in Rhode Island C T Corporation System
123 Dyer Street
Providence, Rhode Island 02903

SIXTH: Names and addresses of its directors and officers: (Attach rider if necessary)

Name	Office	Address (including number, street, zip code)
------	--------	--

SCHEDULE ATTACHED	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

SEVENTH: Number of Shares authorized:

No. of Shares	Class
100,000,000	Common
10,000,000	Preferred

Par Value or statement that shares are without par value
\$ 1.00
\$25.00

EIGHTH: Number of Shares issued:

No. of Shares	Class
78,723,147	Common
5,208	Preferred

Par Value or statement that shares are without par value
\$ 1.00
\$25.00

Dated February 29, 19 88

TEXAS INSTRUMENTS INCORPORATED

(Name of Corporation)

By William A. Aylesworth

(Report must be signed by an officer)

Title Senior Vice President, Treasurer

Chief Financial Officer

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF 12/31/87

MARK SHEPHERD, JR.	466-07-4057	CHAIRMAN
JERRY R. JUNKINS	484-36-2900	PRESIDENT AND CHIEF EXECUTIVE OFFICER
BERNARD M. FAUBER	224-26-6551	DIRECTOR
GERALD W. FRONTERHOUSE	443-32-7378	DIRECTOR
DAVID C. GARRETT	250-12-4106	DIRECTOR
DAVID M. RODERICK	195-18-5858	DIRECTOR
S. T. HARRIS	410-03-2983	GENERAL DIRECTOR
DOUGLASS C. HARVEY	126-10-9411	GENERAL DIRECTOR
EDWARD R. KANE	079-10-9559	GENERAL DIRECTOR
PAUL F. LORENZ	491-09-6393	GENERAL DIRECTOR
JOHN C. TOOMAY	551-16-4077	GENERAL DIRECTOR
WILLIAM P. WEBER	461-60-7927	GENERAL DIRECTOR

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF 12/31/87

MARK SHEPHERD, JR.	466-07-4057	CHAIRMAN OF THE BOARD
JERRY R. JUNKINS	484-36-2900	PRESIDENT AND CHIEF EXECUTIVE OFFICER
WILLIAM I. GEORGE	295-24-6706	EXECUTIVE VICE PRESIDENT
WILLIAM B. MITCHELL	451-46-8706	EXECUTIVE VICE PRESIDENT (PRESIDENT, DEFENSE SYSTEMS AND ELECTRONICS GROUP)
WILLIAM P. WEBER	461-60-7927	EXECUTIVE VICE PRESIDENT, (PRESIDENT, SEMICONDUCTOR GROUP)
GEORGE H. HEILMEIER	192-26-0219	SENIOR VICE PRESIDENT AND CHIEF TECHNICAL OFFICER
RICHARD J. AGNICH	455-70-9970	SENIOR VICE PRESIDENT, SECRETARY AND GENERAL COUNSEL
WILLIAM A. AYLESWORTH	316-44-0921	SENIOR VICE PRESIDENT, TREASURER, AND CHIEF FINANCIAL OFFICER
MARVIN M. LANE, JR.	359-26-6809	VICE PRESIDENT AND CORPORATE CONTROLLER
JAMES W. MARTIN	409-36-7037	VICE PRESIDENT (PRESIDENT, DATA SYSTEMS GROUP)
DAVID D. MARTIN	361-30-7272	VICE PRESIDENT (PRESIDENT, MATERIALS AND CONTROLS GROUP)
DOLAN K. MCDANIEL	515-28-3568	VICE PRESIDENT (PRESIDENT, GEOPHYSICAL SERVICE INC.)
WALDEN C. RHINES	261-80-4990	VICE PRESIDENT SENIOR VICE PRESIDENT, SEMICONDUCTOR GROUP
LISTON M. RICE, JR	454-36-1617	VICE PRESIDENT, CORPORATE COMMUNICATON/MARKETING
WILLIAM E. WETSEL	462-42-3736	VICE PRESIDENT, CORPORATE PERSONNEL
JOSEPH D. ZIMMERMAN	458-46-5979	VICE PRESIDENT, CORPORATE SERVICES
CLARA C. O'DONNELL	457-54-2596	ASSISTANT SECRETARY

THE ADDRESS OF THE ABOVE-NAMED DIRECTORS AND OFFICERS IS:
P.O. BOX 655474, 13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75265

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE DULY ELECTED AND QUALIFIED.

Filing Fee \$15.00

To be filed annually between
January 1st and March 1st

State of Rhode Island and Providence Plantations

CORPORATIONS DIVISION
270 WESTMINSTER MALL
PROVIDENCE, RHODE ISLAND 02903

Corporate ID 25181 Annual Report for the year 1987

FIRST: The name of the corporation is TEXAS INSTRUMENTS INCORPORATED

SECOND: It is incorporated under the laws of Delaware

THIRD: Character of business, briefly stated, is Manufacture, sale, lease and service of
electronic products and/or equipment.

FOURTH: If foreign corporation, address of its principal office 13500 North Central Expressway
Dallas, Texas 75243

FIFTH: Business address in Rhode Island C. T. Corporation System
123 Dyer Street
Providence, Rhode Island 02903

SIXTH: Names and addresses of its directors and officers: (Attach rider if necessary)

Name

Office

Address (including number, street, zip code)

Schedule attached	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

SEVENTH: Number of Shares authorized:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
100,000,000	Common		\$ 1.00
10,000,000	Preferred		25.00

EIGHTH: Number of Shares issued:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
25,676,000	Common		\$ 1.00
3,000	Preferred		25.00

PAID

MAR 05 1987

SECY OF STATE

JUN 12 1987

Dated 2/22 19 87

Texas Instruments Incorporated

(Name of Corporation)

By [Signature]

Title U.S. Tax Compliance Manager*

*Delegation of Authority Attached

(Report must be signed by an officer)

TEXAS INSTRUMENTS INCORPORATED
BOARD OF DIRECTORS AS OF 12/31/86

MARK SHEPHERD, JR.	CHAIRMAN
JERRY R. JUNKINS	PRESIDENT AND CHIEF EXECUTIVE OFFICER
HOWARD W. BELL	GENERAL DIRECTOR
BERNARD M. FAUBER	DIRECTOR
DAVID C. GARRETT	DIRECTOR
DAVID M. RODERICK	DIRECTOR
S. T. HARRIS	GENERAL DIRECTOR
DOUGLASS C. HARVEY	GENERAL DIRECTOR
EDWARD R. KANE	GENERAL DIRECTOR
PAUL F. LORENZ	GENERAL DIRECTOR
WILLIAM N. SICK, JR.	GENERAL DIRECTOR
C. J. THOMSEN	GENERAL DIRECTOR
JOHN C. TOOMAY	GENERAL DIRECTOR
JAMES M. VOSS	GENERAL DIRECTOR
WILLIAM P. WEBER	GENERAL DIRECTOR

THE ADDRESS OF THE ABOVE NAMED DIRECTORS IS:

P.O. BOX 655474, 13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75265

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE DULY ELECTED AND QUALIFIED.

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF 12/31/86

MARK SHEPHERD, JR.	CHAIRMAN OF THE BOARD
JERRY R. JUNKINS	PRESIDENT AND CHIEF EXECUTIVE OFFICER
GRANT A. DOVE	EXECUTIVE VICE PRESIDENT
WILLIAM I. GEORGE	EXECUTIVE VICE PRESIDENT
WILLIAM N. SICK, JR.	EXECUTIVE VICE PRESIDENT (PRESIDENT, SEMICONDUCTOR GROUP)
WILLIAM P. WEBER	EXECUTIVE VICE PRESIDENT
GEORGE H. HEILMEIER	SENIOR VICE PRESIDENT AND CHIEF TECHNICAL OFFICER
RICHARD J. AGNICH	VICE PRESIDENT, SECRETARY AND GENERAL COUNSEL
WILLIAM A. ATLESWORTH	VICE PRESIDENT, TREASURER, AND CHIEF FINANCIAL OFFICER
MARVIN M. LANE, JR.	VICE PRESIDENT AND CORPORATE CONTROLLER
DAVID D. MARTIN	VICE PRESIDENT (PRESIDENT, MATERIALS AND CONTROLS GROUP)
DOLAN K. MCDANIEL	VICE PRESIDENT (PRESIDENT, GEOPHYSICAL SERVICE INC.)
WILLIAM B. MITCHELL	VICE PRESIDENT (PRESIDENT, DEFENSE SYSTEMS AND ELECTRONICS GROUP)
WALDEN C. RHINES	VICE PRESIDENT (PRESIDENT, DATA SYSTEMS GROUP)
LISTON M. RICE, JR.	VICE PRESIDENT, CORPORATE COMMUNICATION/MARKETING
WILLIAM E. WETSEL	VICE PRESIDENT, CORPORATE PERSONNEL
JOSEPH D. ZIMMERMAN	VICE PRESIDENT, CORPORATE SERVICES
CLARA C. O'DONNELL	ASSISTANT SECRETARY

THE ADDRESS OF THE ABOVE NAMED OFFICERS IS:

P.O. BOX 655474, 13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75265

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE DULY ELECTED AND QUALIFIED.

File No. _____
Copies to: _____

MEMORANDUM

Date: _____
Copies to: _____
Financial Management

TO: Ed Miller *EDM 9/6/85*
Bill Bolsvert *WB*

FROM: Bill Aylesworth

SUBJECT: Delegation of Authority to Sign Tax Returns and
Related Documents for:
Texas Instruments Incorporated

It is proposed that the following individual be delegated the authority to sign and execute for the above named company the documents indicated and for the maximum dollar amounts shown below:

<u>Name</u>	<u>Position</u>	<u>Documents</u>	<u>Maximum Amount</u>
Ronald J. Freytag (#120814)	U.S. Tax Compliance Manager	State and Local Tax Returns (U.S. Only)	\$50K
Ronald J. Freytag (#120814)	U.S. Tax Compliance Manager	Canadian Dominion and Provincial Tax Returns or Reports	\$50K
Ronald J. Freytag (#120814)	U.S. Tax Compliance Manager	Property Tax Rendition Forms Where Ad Valorem Tax on Property to be rendered does not exceed	\$25K

Each delegation herein will expire (a) upon termination of the delegate; (b) on the effective date of reassignment; or (c) on the effective date of a new delegation to a successor in the case of reassignment, whichever is earliest.

9/6/85
Date

William A. Aylesworth

William A. Aylesworth
Vice President, Treasurer and
Chief Financial Officer

bb

Filing fee: \$15.00

To be filed annually between
January 1st and March 1st

State of Rhode Island and Providence Plantations
OFFICE OF THE SECRETARY OF STATE

Annual Report for the year 1986

FIRST: The name of the corporation is
Texas Instruments Incorporated (25181)

SECOND: It is incorporated under the laws of Delaware

THIRD: Character of business, briefly stated, is Manufacture, sale lease
and service of electronic products and/or equipment.

FOURTH: If foreign corporation, address of its principal office
P. O. Box 225474 M/S 408 Dallas, Texas 75265

FIFTH: Business address in Rhode Island (blank reports will be mailed to this
address) 111 Westminster Providence 02903

SIXTH: Names and addresses of its directors and officers:

(Addresses must include street and number, if any)

Name	Office	Address
Schedule Attached	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

(If additional space is needed, attach rider)

SEVENTH: Number of Shares authorized:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
30,000,000	Common		\$ 1.00
750,000	Preferred		25.00

PAID

APR 1 1986

EIGHTH: Number of Shares issued:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
25,281,573	Common		\$ 1.00

Dated: 2/28 1986 Texas Instruments Incorporated
(Name of Corporation)

By 
Title U. S. Tax Compliance Manager*

(Report must be signed by an officer)

*Delegation of Authority Attached

If the corporation has changed its registered office and/or its registered agent,
Form #9 must be filed. Please contact Corporation Division for Information. 277-3040

TEXAS INSTRUMENTS INCORPORATED

BOARD OF DIRECTORS AS OF 11/20/85

MARK SHEPHERD, JR.
JERRY R. JUNKINS

CHAIRMAN
PRESIDENT AND CHIEF EXECUTIVE OFFICER

HOWARD W. BELL
BERNARD M. FAUBER
DAVID C. GARRETT
S. T. HARRIS
DOUGLASS C. HARVEY
EDWARD R. KANE
PAUL F. LORENZ
PAUL W. MODRACKEN
WILLIAM N. SICK, JR.
C. J. THOMSEN
JOHN C. TOOMAY
JAMES M. VOSS
WILLIAM P. WEBER

GENERAL DIRECTOR
DIRECTOR
DIRECTOR
GENERAL DIRECTOR
GENERAL DIRECTOR
GENERAL DIRECTOR
GENERAL DIRECTOR
GENERAL DIRECTOR
GENERAL DIRECTOR
GENERAL DIRECTOR
GENERAL DIRECTOR
GENERAL DIRECTOR
GENERAL DIRECTOR

THE ADDRESS OF THE ABOVE NAMED DIRECTORS IS:

P.O. BOX 225474, 13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75265

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE DULY ELECTED AND QUALIFIED.

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF 11/20/85

MARK SHEPHERD, JR.
JERRY R. JUNKINS
GRANT A. DOVE
WILLIAM I. GEORGE
WILLIAM N. SICK, JR.
WILLIAM P. WEBER
GEORGE H. HEILMEIER
RICHARD J. ASNICH
WILLIAM A. AYLESWORTH

CHAIRMAN OF THE BOARD
PRESIDENT AND CHIEF EXECUTIVE OFFICER
EXECUTIVE VICE PRESIDENT
EXECUTIVE VICE PRESIDENT
EXECUTIVE VICE PRESIDENT
(PRESIDENT, SEMICONDUCTOR GROUP)
EXECUTIVE VICE PRESIDENT
SENIOR VICE PRESIDENT AND CHIEF TECHNICAL OFFICER
VICE PRESIDENT, SECRETARY AND GENERAL COUNSEL
VICE PRESIDENT, TREASURER, AND CHIEF
FINANCIAL OFFICER

PETER A. FIELD
RONALD F. KEENER
MARVIN M. LANE, JR.
DAVID D. MARTIN

VICE PRESIDENT
VICE PRESIDENT, LICENSING SERVICES
AND CORPORATE CONTROLLER
VICE PRESIDENT
VICE PRESIDENT
(PRESIDENT, MATERIALS AND CONTROLS GROUP)

DOLAN K. MCDANIEL
WILLIAM B. MITCHELL

VICE PRESIDENT
(PRESIDENT, GEOPHYSICAL SERVICE INC.)
VICE PRESIDENT
(PRESIDENT, DEFENSE SYSTEMS AND ELECTRONICS GROUP)

WALDEN C. RHINES

VICE PRESIDENT

File No. _____
Circled to: _____
Date: _____
Company: _____
Financial Management

MEMORANDUM

TO: Ed Miller *EDM 9/6/85*
Bill Bolsvert *WB*

FROM: Bill Aylesworth

SUBJECT: Delegation of Authority to Sign Tax Returns and
Related Documents for:
Texas Instruments Incorporated

It is proposed that the following individual be delegated the authority to sign and execute for the above named company the documents indicated and for the maximum dollar amounts shown below:

<u>Name</u>	<u>Position</u>	<u>Documents</u>	<u>Maximum Amount</u>
Ronald J. Freytag (#120814)	U.S. Tax Compliance Manager	State and Local Tax Returns (U.S. Only)	\$50K
Ronald J. Freytag (#120814)	U.S. Tax Compliance Manager	Canadian Dominion and Provincial Tax Returns or Reports	\$50K
Ronald J. Freytag (#120814)	U.S. Tax Compliance Manager	Property Tax Rendition Forms Where Ad Valorem Tax on Property to be rendered does not exceed	\$25K

Each delegation herein will expire (a) upon termination of the delegate; (b) on the effective date of reassignment; or (c) on the effective date of a new delegation to a successor in the case of reassignment, whichever is earliest.

9/6/85
Date

William A. Aylesworth
William A. Aylesworth
Vice President, Treasurer and
Chief Financial Officer

PAID

bb

FOR
copy OF STATE

Filing fee: \$15.00

To be filed annually between
January 1st and March 1st

State of Rhode Island and Providence Plantations
OFFICE OF THE SECRETARY OF STATE

25181

Annual Report for the year 1985

FIRST: The name of the corporation is

Texas Instruments Incorporated

SECOND: It is incorporated under the laws of Delaware

THIRD: Character of business, briefly stated, is Manufacture, sale, lease
and service of electronic products and/or equipment.

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P. O. Box 225474 M/S 408 Dallas, Texas 75265

FIFTH: Business address in Rhode Island (blank reports will be mailed to this
address) 111 Westminster Providence 02903

SIXTH: Names and addresses of its directors and officers:

(Addresses must include street and number, if any)

Name	Office	Address
Schedule Attached	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

(If additional space is needed, attach rider)

SEVENTH: Number of Shares authorized:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
30,000,000	Common		\$ 1.00
750,000	Preferred		25.00

EIGHTH: Number of Shares issued:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
24,718,000	Common		\$ 1.00

Dated: 2/25

1985

Texas Instruments Incorporated
(Name of Corporation)

RECEIVED MAR 1985

1985

LR

By

[Signature]

Title U. S. Tax Compliance Manager*

(Report must be signed by an officer)

*Delegation of Authority Attached

If the corporation has changed its registered office and/or its registered agent,
Form #9 must be filed. Please contact Corporation Division for Information. 277-3040

TEXAS INSTRUMENTS INCORPORATED
DIRECTORS AS OF 12/31/84

BOARD OF DIRECTORS:

MARK SHEPHERD, JR.	CHAIRMAN AND CHIEF CORPORATE OFFICER
J. FRED BUCY	PRESIDENT AND CHIEF EXECUTIVE OFFICER
HOWARD W. BELL	GENERAL DIRECTOR
DAVID C. GARRETT	GENERAL DIRECTOR
S. T. HARRIS	GENERAL DIRECTOR
DOUGLASS C. HARVEY	GENERAL DIRECTOR
JERRY R. JUNKINS	GENERAL DIRECTOR
EDWARD R. KANE	GENERAL DIRECTOR
PAUL F. LORENZ	GENERAL DIRECTOR
PAUL W. MCCracken	GENERAL DIRECTOR
C. J. THOMSEN	GENERAL DIRECTOR
JOHN C. TOOMAY	GENERAL DIRECTOR
JAMES M. VOSS	GENERAL DIRECTOR
WILLIAM P. WEBER	GENERAL DIRECTOR

THE ADDRESS OF THE ABOVE NAMED DIRECTORS IS:

P.O. BOX 225474, 13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75265

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE DULY ELECTED AND QUALIFIED.

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF 12/31/84

MARK SHEPHERD, JR.	CHAIRMAN AND CHIEF CORPORATE OFFICER
J. FRED BUCY	PRESIDENT AND CHIEF EXECUTIVE OFFICER
GRANT A. DOVE	EXECUTIVE VICE PRESIDENT
WILLIAM I. GEORGE	EXECUTIVE VICE PRESIDENT
JERRY R. JUNKINS	EXECUTIVE VICE PRESIDENT
WILLIAM N. SICK, JR.	EXECUTIVE VICE PRESIDENT
WILLIAM P. WEBER	EXECUTIVE VICE PRESIDENT
GEORGE H. HEILMEIER	SENIOR VICE PRESIDENT AND CHIEF TECHNICAL OFFICER
RICHARD J. AONICH	VICE PRESIDENT, SECRETARY AND GENERAL COUNSEL
WILLIAM A. AYLESWORTH	VICE PRESIDENT AND TREASURER
PETER A. FIELD	VICE PRESIDENT, CORPORATE MARKETING
ERIC L. JONES	VICE PRESIDENT
	(PRESIDENT, DATA SYSTEMS GROUP)
RONALD F. KEENER	VICE PRESIDENT, LICENSING SERVICES
MARVIN M. LANE, JR.	VICE PRESIDENT AND CORPORATE CONTROLLER
DAVID D. MARTIN	VICE PRESIDENT
	(PRESIDENT, MATERIALS AND CONTROLS GROUP)
DOLAN K. MCDANIEL	VICE PRESIDENT
	(PRESIDENT, GEOPHYSICAL SERVICE INC.)
WILLIAM B. MITCHELL	VICE PRESIDENT
	(PRESIDENT EQUIPMENT GROUP)
ROBERT C. PEARSON	VICE PRESIDENT, FINANCE
LISTON M. RICE	VICE PRESIDENT, CORPORATE COMMUNICATION
WILLIAM E. WETSEL	VICE PRESIDENT, CORPORATE PERSONNEL
JOSEPH D. ZIMMERMAN	VICE PRESIDENT, CORPORATE SERVICES
CLARA C. O'DONNELL	ASSISTANT SECRETARY

THE ADDRESS OF THE ABOVE NAMED OFFICERS IS:

P.O. BOX 225474, 13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75265

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE DULY ELECTED AND QUALIFIED.

File No. 80000-01

Copies to:

2nd Dep.

Date: 2-21-85

Corporate Entity

Financial Management

MEMORANDUM

TO: Ed Miller EDM 2/13/85
Bill Boisvert WB 2/13/85
Bob Pearson BP 2/13/85

FROM: Bill George 66620

SUBJECT: Delegation of Authority to Sign Tax Returns and
Related Documents for: Texas Instruments Incorporated
60 800

It is proposed that the following individual be delegated the authority to sign and execute for the above named company the documents indicated and for the maximum dollar amounts shown below:

<u>Name</u>	<u>Position</u>	<u>Documents</u>	<u>Maximum Amount</u>
Ronald J. Freytag (#120814)	U.S. Tax Compliance Manager	State and Local Tax Returns (U.S. Only)	\$50K - 501
Ronald J. Freytag (#120814)	U.S. Tax Compliance Manager	Canadian Dominion and Provincial Tax Returns or Reports	\$50K - 501
Ronald J. Freytag (#120814)	U.S. Tax Compliance Manager	Property Tax Rendition Forms Where Ad Valorem Tax on Property to be rendered does not exceed	\$25K - 501

Each delegation herein will expire (a) upon termination of the delegate; (b) on the effective date of reassignment; (c) on the effective date of a new delegation to a successor in the case of reassignment, whichever is earliest; or (d) 90 days following the transfer or termination of the delegator.

Authority is hereby delegated for the document proposals shown above, except for those items deleted, or as modified by the comments attached.

W. I. George 2-17-85
William I. George Date
Executive Vice President

Filing fee: \$15.00

To be filed annually between
January 1st and March 1st

State of Rhode Island and Providence Plantations
OFFICE OF THE SECRETARY OF STATE

Annual Report for the year 1984

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and service of electronic products and/or products.

FOURTH: If foreign corporation, address of its principal office

P. O. Box 225474, N/S 408, Dallas, Texas 75265

FIFTH: Business address in Rhode Island (blank reports will be mailed to this
address) 111 Westminster - Providence 02903

SIXTH: Names and addresses of its directors and officers:

(Addresses must include street and number, if any)

Name	Office	Address
Schedule Attached	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

(If additional space is needed, attach rider)

SEVENTH: Number of Shares authorized:

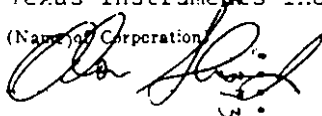
No. of Shares	Class	Series	Par Value or statement that shares are without par value
30,000,000	Common		1.00
750,000	Preferred		25.00

EIGHTH: Number of Shares issued:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
24,135,256	Common		1.00

Dated: FEB. 27 19 84

Texas Instruments Incorporated
(Name of Corporation)

By 
Title U.S. Tax Compliance Manager

(Report must be signed by an officer)

If the corporation has changed its registered office and/or its registered agent,
Form #9 must be filed. Please contact Corporation Division for information. 277-3040

TEXAS INSTRUMENTS INCORPORATED

DIRECTORS AS OF 12/31/83

BOARD OF DIRECTORS:

MARK SHEPHERD, JR.	CHAIRMAN AND CHIEF EXECUTIVE OFFICER
J. FRED BUCY	PRESIDENT AND CHIEF OPERATING OFFICER
HOWARD W. BELL	GENERAL DIRECTOR
EUGENE G. FUBINI	GENERAL DIRECTOR
S. T. HARRIS	GENERAL DIRECTOR
DOUGLASS C. HARVEY	GENERAL DIRECTOR
EDWARD R. KANE	GENERAL DIRECTOR
PAUL F. LORENZ	GENERAL DIRECTOR
PAUL W. MCCrackEN	GENERAL DIRECTOR
BRYAN F. SMITH	GENERAL DIRECTOR
C. J. THOMSEN	GENERAL DIRECTOR
JOHN C. TOOMAY	GENERAL DIRECTOR
JAMES M. VOSS	GENERAL DIRECTOR
JOHN M. WALKER	GENERAL DIRECTOR

HONORARY DIRECTORS:

CECIL H. GREEN
J. E. JONSSON

THE ADDRESS OF THE ABOVE NAMED DIRECTORS IS:

P.O. BOX 225474, 13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75222

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE DULY ELECTED AND QUALIFIED.

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF 12/31/83

MARK SHEPHERD, JR.	CHAIRMAN AND CHIEF EXECUTIVE OFFICER
J. FRED BUCY	PRESIDENT AND CHIEF OPERATING OFFICER
GRANT A. DOVE	EXECUTIVE VICE PRESIDENT
JAMES L. FISCHER	EXECUTIVE VICE PRESIDENT
JERRY R. JUNKINS	EXECUTIVE VICE PRESIDENT
WILLIAM N. SICK, JR.	EXECUTIVE VICE PRESIDENT
RICHARD J. AGNICH	VICE PRESIDENT, SECRETARY AND GENERAL COUNSEL
WILLIAM A. AYLESWORTH	VICE PRESIDENT AND TREASURER
PETER A. FIELDS	VICE PRESIDENT (PRESIDENT CONSUMER GROUP)
WILLIAM I. GEORGE	VICE PRESIDENT (PRESIDENT, MATERIALS AND CONTROLS GROUP)
GEORGE H. HEILMEIER	VICE PRESIDENT, CORPORATE (RESEARCH, DEVELOPMENT AND ENGINEERING)
ERIC L. JONES	VICE PRESIDENT (PRESIDENT, DATA SYSTEMS GROUP)
RONALD F. KEENER	VICE PRESIDENT, CORPORATE LICENSING
MARVIN M. LANE, JR.	VICE PRESIDENT AND CORPORATE CONTROLLER
DOLAN K. MCDANIEL	VICE PRESIDENT (PRESIDENT, GEOPHYSICAL SERVICE INC.)
ROBERT C. PEARSON	VICE PRESIDENT, FINANCE
WILLIAM P. WEBER	VICE PRESIDENT (PRESIDENT, EQUIPMENT GROUP)
WILLIAM E. WETSEL	VICE PRESIDENT (CORPORATE PERSONNEL)
JOSEPH D. ZIMMERMAN	VICE PRESIDENT (CORPORATE SERVICES)
CLARA C. O'DONNELL	ASSISTANT SECRETARY

THE ADDRESS OF THE ABOVE NAMED OFFICERS IS:

P.O. BOX 225474 13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75265

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE DULY ELECTED AND QUALIFIED.

C E R T I F I C A T E

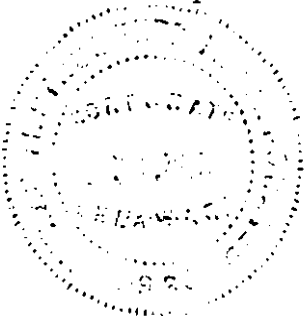
I, CLARA C. O'DONNELL, Assistant Secretary of TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, U.S.A., do hereby certify that the following are resolutions adopted at a meeting of the Board of Directors of said Corporation, duly held on January 28, 1983, a quorum being present, and that such resolutions have not been modified or rescinded, and are now in effect:

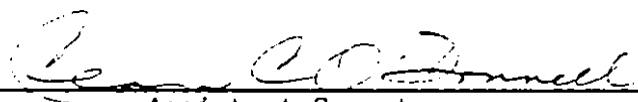
"RESOLVED, that James L. Fischer, Robert C. Pearson, William A. Aylesworth, Edgar D. Miller III and Odom Sherman, Jr. be, and each hereby is, authorized to execute on behalf of the Company any and all tax returns and related documents required to be prepared and filed by the Company; and it is

"FURTHER RESOLVED, that Mark Shepherd, Jr., J. Fred Bucy and James L. Fischer be, and each hereby is, authorized to delegate authority to execute such tax returns and related documents to other employees of the Company or of its subsidiaries or to tax advisers of the Company, and such delegation by James L. Fischer to be made with the prior written approval of Mark Shepherd, Jr. or J. Fred Bucy; and it is

"FURTHER RESOLVED, that in cases where the ad valorem tax on any property to be rendered does not exceed \$10,000, James L. Fischer be, and he hereby is, authorized to use the services of property tax consultants to prepare, execute and submit on behalf of the Company documents rendering such property.

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said Corporation this 7th day of April, 1983.




Assistant Secretary

TEXAS INSTRUMENTS INCORPORATED

Filing fee: \$15.00

To be filed annually between
January 1st and March 1st

State of Rhode Island and Providence Plantations
OFFICE OF THE SECRETARY OF STATE

Annual Report for the year 1983

FIRST: The name of the corporation is
Texas Instruments Incorporated

SECOND: It is incorporated under the laws of Delaware

THIRD: Character of business, briefly stated, is Manufacturing, sales, lease
of electronics and electronic products

FOURTH: If foreign corporation, address of its principal office
P. O. Box 225474, M/S 408, Dallas TX 75265

FIFTH: Business address in Rhode Island (blank reports will be mailed to this
address) 111 Westminster - Providence 02903

SIXTH: Names and addresses of its directors and officers:

(Addresses must include street and number, if any)

Name	Office	Address
Schedule Attached	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

(If additional space is needed, attach rider)

SEVENTH: Number of Shares authorized:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
30,000,000	Common		1.00
750,000	Preferred		25.00

EIGHTH: Number of Shares issued:

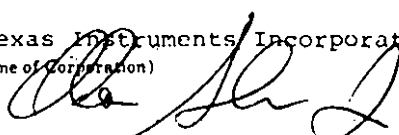
No. of Shares	Class	Series	Par Value or statement that shares are without par value
23,652,416	Common		1.00

Dated:

FEB 16 1983

Texas Instruments Incorporated
(Name of Corporation)

By



Title U. S. Tax Compliance Manager

(Report must be signed by an officer)

If the corporation has changed its registered office and/or its registered agent,
Form #9 must be filed. Please contact Corporation Division for information 277-3040

TEXAS INSTRUMENTS INCORPORATED

DIRECTORS AS OF 12/31/82

BOARD OF DIRECTORS:

MARK SHEPHERD, JR.	CHAIRMAN AND CHIEF EXECUTIVE OFFICER
J. FRED BUCY	PRESIDENT AND CHIEF OPERATING OFFICER
EUGENE G. FUBINI	GENERAL DIRECTOR
S. T. HARRIS	GENERAL DIRECTOR
DOUGLASS C. HARVEY	GENERAL DIRECTOR
EDWARD R. KANE	GENERAL DIRECTOR
PAUL F. LORENZ	GENERAL DIRECTOR
PAUL W. MCCracken	GENERAL DIRECTOR
BRYAN F. SMITH	GENERAL DIRECTOR
C. J. THOMSEN	GENERAL DIRECTOR
JOHN C. TOOMAY	GENERAL DIRECTOR
JAMES M. VOSS	GENERAL DIRECTOR
JOHN M. WALKER	GENERAL DIRECTOR

HONORARY DIRECTORS:

CECIL H. GREEN
J. E. JONSSON

THE ADDRESS OF THE ABOVE NAMED DIRECTORS IS:

13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75222

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE FULLY ELECTED AND QUALIFIED.

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF 12/31/82

MARK SHEPHERD, JR.	CHAIRMAN AND CHIEF EXECUTIVE OFFICER
J. FRED BUCY	PRESIDENT AND CHIEF OPERATING OFFICER
STEWART CARRELL	EXECUTIVE VICE PRESIDENT
GRANT A. DOVE	EXECUTIVE VICE PRESIDENT
JAMES L. FISCHER	EXECUTIVE VICE PRESIDENT
JERRY R. JUNKINS	EXECUTIVE VICE PRESIDENT
WILLIAM N. SICK, JR.	EXECUTIVE VICE PRESIDENT
C. H. CHANG	SENIOR VICE PRESIDENT (CORPORATE QUALITY, TRAINING AND PRODUCTIVITY)
RICHARD J. AGNICH	VICE PRESIDENT, SECRETARY AND GENERAL COUNSEL
WILLIAM A. AYLESWORTH	VICE PRESIDENT AND TREASURER
WILLIAM I. GEORGE	VICE PRESIDENT (PRESIDENT, MATERIALS AND CONTROLS GROUP)
GEORGE H. HEILMEIER	VICE PRESIDENT, CORPORATE (RESEARCH, DEVELOPMENT AND ENGINEERING)
ERIC L. JONES	VICE PRESIDENT (PRESIDENT, DATA SYSTEMS GROUP)
RONALD F. KEENER	VICE PRESIDENT, CORPORATE LICENSING
MARVIN M. LANE, JR.	VICE PRESIDENT AND CORPORATE CONTROLLER
DOLAN K. MCDANIEL	VICE PRESIDENT (PRESIDENT, GEOPHYSICAL SERVICE INC.)
ROBERT C. PEARSON	VICE PRESIDENT, FINANCE
WILLIAM J. TURNER	VICE PRESIDENT (PRESIDENT, CONSUMER GROUP)
WILLIAM P. WEBER	VICE PRESIDENT (PRESIDENT, EQUIPMENT GROUP)
WILLIAM E. WETSEL	VICE PRESIDENT (CORPORATE PERSONNEL)
JOSEPH D. ZIMMERMAN	VICE PRESIDENT (CORPORATE SERVICES)
CLARA C. O'DONNELL	ASSISTANT SECRETARY

THE ADDRESS OF THE ABOVE NAMED OFFICERS IS:

13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75222

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS

C E R T I F I C A T E

I, RICHARD J. AGNICH, Secretary of TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, U.S.A., do hereby certify that the following are resolutions adopted at a meeting of the Board of Directors of said Corporation, duly held on February 28, 1981, a quorum being present, and that such resolutions have not been modified or rescinded, and are now in effect:

"RESOLVED, that Stewart Carrell, Marvin M. Lane, Jr., Edgar D. Miller III and Odom Sherman, Jr., are each hereby authorized to execute on behalf of the Company any and all tax returns and related documents required to be prepared and filed by the Company; and it is

"FURTHER RESOLVED, that Mark Shepherd, Jr., J. Fred Bucy and Stewart Carrell be, and each hereby is, authorized to delegate authority to execute such tax returns and related documents to other employees of the Company or of its subsidiaries or to tax advisers of the Company, any such delegation by Stewart Carrell to be made with the prior written approval of Mark Shepherd, Jr., or J. Fred Bucy; and it is

"FURTHER RESOLVED, that Stewart Carrell be and he is hereby authorized to retain property tax consultants to prepare, execute and submit on behalf of the Company documents rendering property for ad valorem tax purposes."

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said Corporation this 25th day of January, 1983.



Secretary
TEXAS INSTRUMENTS INCORPORATED

Filing fee: \$15.00

To be filed annually between
January 1st and March 1st

State of Rhode Island and Providence Plantations
OFFICE OF THE SECRETARY OF STATE

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sales, lease of electronic products

FOURTH: If foreign corporation, address of its principal office 90 Bay
225474, m/s 408, Dallas TX 75265

FIFTH: Business address in Rhode Island (blank reports will be mailed to this
address) 111 Westminster - Providence 02903

SIXTH: Names and addresses of its directors and officers:

(Addresses must include street and number, if any)

Name	Office	Address
	Director	
<u>Schedule</u>	Director	
<u>attached</u>	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

(If additional space is needed, attach rider)

SEVENTH: Number of Shares authorized:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
<u>30000000</u>	<u>Common</u>	<u>-</u>	<u>1.00</u>
<u>750000</u>	<u>preferred</u>	<u>-</u>	<u>25.00</u>

EIGHTH: Number of Shares issued:

No. of Shares	Class	Series	Par Value or statement that shares are without par value
<u>23580096</u>	<u>Common</u>		<u>1.00</u>

Dated: FEB 11 1982 Texas Instruments Incorporated
(Name of Corporation)

By [Signature]
Title US TAX COMPLIANCE MANAGER

(Report must be signed by an officer)

If the corporation has changed its registered office and/or its registered agent,
Form #9 must be filed. Please contact Corporation Division for information. 277-3040

TEXAS INSTRUMENTS INCORPORATED

DIRECTORS AS OF 12/31/81

BOARD OF DIRECTORS:

MARK SHEPHERD, JR.	CHAIRMAN AND CHIEF EXECUTIVE OFFICER
J. FRED BUCKY	PRESIDENT AND CHIEF OPERATING OFFICER
EUGENE G. EUBANK	GENERAL DIRECTOR
S. T. HARRIS	GENERAL DIRECTOR
EDWARD R. KANE	GENERAL DIRECTOR
PAUL F. LORENZ	GENERAL DIRECTOR
PAUL W. MCCracken	GENERAL DIRECTOR
FREDERICK SEITZ	GENERAL DIRECTOR
BRYAN F. SMITH	GENERAL DIRECTOR
C. J. THOMPSON	GENERAL DIRECTOR
JOHN C. TOOMAY	GENERAL DIRECTOR
JAMES M. VOSS	GENERAL DIRECTOR
JOHN M. WALKER	GENERAL DIRECTOR

HONORARY DIRECTORS:

CECIL H. GREEN
J. F. JOHNSON

THE ADDRESS OF THE ABOVE NAMED DIRECTORS IS:

13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75222

TERMS EXPIRE:

ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE DULY ELECTED AND QUALIFIED.

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF 12/31/81

MARK SHEPHERD, JR.	CHAIRMAN AND CHIEF EXECUTIVE OFFICER
J. FRED RUDY	PRESIDENT AND CHIEF OPERATING OFFICER
JAMES L. FISCHER	EXECUTIVE VICE PRESIDENT
A. RAY MCCORD	EXECUTIVE VICE PRESIDENT
LISTON M. RICE, JR.	GROUP VICE PRESIDENT
SAM K. SMITH	GROUP VICE PRESIDENT
JOSEPH D. ZIMMERMAN	GROUP VICE PRESIDENT
STEWART GARRELL	SENIOR VICE PRESIDENT & PRINCIPAL FINANCIAL OFFICER
C. M. CHANG	SENIOR VICE PRESIDENT
GRANT A. DOVE	SENIOR VICE PRESIDENT
WILLIAM J. ROCHE	SENIOR VICE PRESIDENT, SECRETARY AND GENERAL COUNSEL
DONALD W. BROOKS	VICE PRESIDENT
JOHN CHANTLER, JR.	VICE PRESIDENT
CHARLES M. CLOUGH	VICE PRESIDENT
DALE E. CUNNINGHAM	VICE PRESIDENT
ROSS D. DUNLOP	VICE PRESIDENT
WILLIAM J. GEORGE	VICE PRESIDENT
ROBERT J. GRAEFNER	VICE PRESIDENT
ROLF R. HABERECHT	VICE PRESIDENT
GEORGE H. HEILMEIER	VICE PRESIDENT
ERIC L. JONES	VICE PRESIDENT
JAMES M. HURRARD	VICE PRESIDENT
JERRY R. JUNKINS	VICE PRESIDENT
RONALD F. KEENER	VICE PRESIDENT
MARVIN M. LANE, JR.	VICE PRESIDENT AND TREASURER
BERNARD H. LIST	VICE PRESIDENT
DOLAN K. MC DANIEL	VICE PRESIDENT
HOWARD MOSS	VICE PRESIDENT
EDWARD P. O'NEILL	VICE PRESIDENT
ROBERT C. PEARSON	VICE PRESIDENT AND CONTROLLER
RONALD J. RITCHIE	VICE PRESIDENT
WILLIAM N. SICK, JR.	VICE PRESIDENT
H. DEAN TOOMBS	VICE PRESIDENT
WILLIAM P. WEFER	VICE PRESIDENT
WILLIAM E. WETSEL	VICE PRESIDENT
DIETMAR WOLFF	VICE PRESIDENT
CLARA C. O'DONNELL	ASSISTANT SECRETARY
WILLIAM A. AYLESWORTH	ASSISTANT TREASURER
RICHARD K. HULTON	ASSISTANT TREASURER
EDGAR D. MILLER III	ASSISTANT TREASURER
WILLIS A. ADDOCK	ASSISTANT VICE PRESIDENT
ANTHONY F. AMANTE	ASSISTANT VICE PRESIDENT
PIERRE J. CLAVIER	ASSISTANT VICE PRESIDENT
NICK C. DAVIS	ASSISTANT VICE PRESIDENT
JAMES M. ECKHART	ASSISTANT VICE PRESIDENT
JOHN V. GILHOOLY	ASSISTANT VICE PRESIDENT
GEORGE M. GRAHAM, JR.	ASSISTANT VICE PRESIDENT
PHILIP R. GRAY, JR.	ASSISTANT VICE PRESIDENT
JOHN R. HANNE	ASSISTANT VICE PRESIDENT
EUGENE R. MCFARLAND	ASSISTANT VICE PRESIDENT
HALLER M. MOYERS	ASSISTANT VICE PRESIDENT
DONALD P. MUNDILL	ASSISTANT VICE PRESIDENT
BRUNO PAGLIUCA	ASSISTANT VICE PRESIDENT
ECKHARD PFFIFFER	ASSISTANT VICE PRESIDENT
CHARLES H. PHIPPS	ASSISTANT VICE PRESIDENT
GERALD R. PIERCE	ASSISTANT VICE PRESIDENT
KIRK P. POND	ASSISTANT VICE PRESIDENT
WALDEN C. RHINES	ASSISTANT VICE PRESIDENT
HANS J. SCHUETZE	ASSISTANT VICE PRESIDENT
MELVIN SHARP	ASSISTANT VICE PRESIDENT
THOMAS J. SNYDER	ASSISTANT VICE PRESIDENT
ROBERT STRATTON	ASSISTANT VICE PRESIDENT
WALTER W. THOMSEN	ASSISTANT VICE PRESIDENT
W. JOE WATSON	ASSISTANT VICE PRESIDENT
JOHN W. WHITE	ASSISTANT VICE PRESIDENT
CHARLES R. WOFFORD	ASSISTANT VICE PRESIDENT
WELDON R. WORD	ASSISTANT VICE PRESIDENT

THE ADDRESS OF THE ABOVE NAMED OFFICERS IS:
13500 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75222

TERMS EXPIRE:
ALL ARE ELECTED ANNUALLY UNTIL SUCCESSORS
ARE DULY ELECTED AND QUALIFIED.

C E R T I F I C A T E

I, WILLIAM J. ROCHE, Secretary of TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, U. S. A., do hereby certify that the following are resolutions adopted at a meeting of the Board of Directors of said Corporation, duly held on May 31, 1980, a quorum being present, and that such resolutions have not been modified or rescinded, and are now in effect:

"RESOLVED, that the resolutions adopted by the Board of Directors on February 27, 1978, relating to authority to execute tax returns and related documents and to retain property tax consultants, are hereby rescinded; and it is

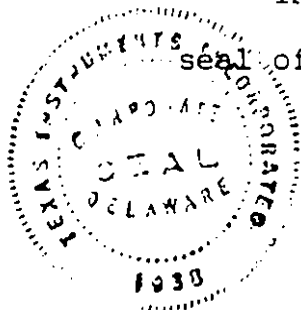
"FURTHER RESOLVED, that Stewart Carrell, Marvin M. Lane, Jr., Edgar D. Miller III, and Odom Sherman, Jr., are each hereby authorized to execute on behalf of the Company any and all tax returns and related documents required to be prepared and filed by the Company; and it is

"FURTHER RESOLVED, that Stewart Carrell is hereby authorized to delegate his authority to execute such tax returns and documents to other officers of the Company with the prior written approval of Mark Shepherd, Jr., J. Fred Bucy, A. Ray McCord or James L. Fischer; and it is

"FURTHER RESOLVED, that Stewart Carrell be and he is hereby authorized to retain property tax consultants to prepare, execute and submit on behalf of the Company documents rendering property for ad valorem tax purposes."

IN WITNESS WHEREOF, I have hereunto set my hand and the

seal of said Corporation this 4th day of June, 1980.




Secretary
TEXAS INSTRUMENTS INCORPORATED

Filing fee: \$15.00

To be filed annually
between January 1st and March 1st

State of Rhode Island and Providence Plantations
OFFICE OF THE SECRETARY OF STATE
ANNUAL REPORT
OF

TEXAS INSTRUMENTS INCORPORATED

Pursuant to the provisions of Section 7.1.1-118 of the General Laws, 1956, as amended, the undersigned corporation hereby submits the following annual report:

FIRST: The name of the corporation is
TEXAS INSTRUMENTS INCORPORATED

SECOND: It is incorporated under the laws of **STATE OF DELAWARE**

THIRD: The address of its registered office in Rhode Island is
111 Westminister Providence, Rhode Island 02903
and the name of its registered agent in Rhode Island at such address is
The C.T. Corporation System

FOURTH: If a foreign corporation, the address of its principal office in the state or country under the laws of which it is incorporated is
100 West Tenth ST. Wilmington, Delaware 19899

FIFTH: The character of the business in which it is actually engaged in Rhode Island, briefly stated, is
The Sale and Lease of Electronic and Electrical Products

SIXTH: The names and respective addresses of its directors and officers are:

Name	Office	Address
	Director	
	Director	
SCHEDULE	Director	ALL Officers and Directors
	Director	May Be Reached AT:
ATTACHED	Director	
	Director	13500 N. CENTRAL Expressway
	President	Dallas Texas 75265
	Vice President	
	Secretary	
	Treasurer	

SEVENTH: The aggregate number of shares which it has authority to issue, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:

Number of Shares	Class	Series	Par Value per Share or Statement that Shares are without Par Value
30,000,000	Common	-	\$1.00
750,000	Preferred	-	\$25.00

MAR 24 1981

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EIGHTH: The aggregate number of its issued shares, itemized by classes, par value of shares, shares without par value, and series, if any, within a class; is:

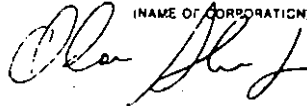
<u>Number of Shares</u>	<u>Class</u>	<u>Series</u>	<u>Par Value per Share or Statement that Shares are without Par Value</u>
23,431,335	Common		\$1.00

Dated February , 1981

TEXAS INSTRUMENTS INCORPORATED

(NAME OF CORPORATION)

By



US TAX COMPLIANCE MANAGER
see Board Resolution Attached

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF 12/31/80

Mark Shepherd, Jr., Chairman and
Chief Executive Officer
J. Fred Bucy, President and Chief
Operating Officer
James L. Fischer, Executive Vice President
A. Ray McCord, Executive Vice President
C. M. Chang, Group Vice President
Liston M. Rice, Jr., Group Vice President
Sam K. Smith, Group Vice President
Joseph D. Zimmerman, Group Vice President
Stewart Carrell, Senior Vice President
Grant A. Dove, Senior Vice President
John M. Walker, Senior Vice President and Treasurer
William J. Roche, Senior Vice President, Secretary
and General Counsel
Donald W. Brooks, Vice President
John Chandler, Jr., Vice President
Charles M. Clough, Vice President
Dale E. Cunningham, Vice President
Doss D. Dunlop, Vice President
William I. George, Vice President
Robert J. Graebner, Vice President
Rolf R. Haberecht, Vice President
George H. Heilmeier, Vice President
James M. Hubbard, Vice President
Jerry R. Junkins, Vice President
Ronald F. Keener, Vice President
Marvin M. Lane, Jr., Vice President and Treasurer
Bernard H. List, Vice President
Dolan K. McDaniel, Vice President
Howard Moss, Vice President
Edward P. O'Neill, Vice President
Robert C. Pearson, Vice President and Controller
Ronald J. Ritchie, Vice President
William N. Sick, Jr., Vice President
H. Dean Toombs, Vice President
William P. Weber, Vice President
William E. Wetsel, Vice President
Dietmar Wolff, Vice President
Clara C. O'Donnell, Assistant Secretary
William A. Aylesworth, Assistant Treasurer
Richard K. Hulton, Assistant Treasurer
Edgar D. Miller III, Assistant Treasurer
Willis A. Adcock, Assistant Vice President

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF 12-31-80
Page 2

Anthony F. Amante, Assistant Vice President
James W. Bagley, Assistant Vice President
Pierre J. Clavier, Assistant Vice President
Nick C. Davis, Assistant Vice President
James M. Eckhart, Assistant Vice President
John V. Gilhooly, Assistant Vice President
George M. Graham, Jr., Assistant Vice President
Philip R. Gray, Jr., Assistant Vice President
John R. Hanne, Assistant Vice President
Eric L. Jones, Assistant Vice President
Eugene R. McFarland, Assistant Vice President
Haller M. Moyers, Assistant Vice President
Donald P. Mundell, Assistant Vice President
Bruno Pagliuca, Assistant Vice President
Eckhard Pfeiffer, Assistant Vice President
Charles H. Phipps, Assistant Vice President
Gerald R. Pierce, Assistant Vice President
Hans Schuetze, Assistant Vice President
Melvin Sharp, Assistant Vice President
Thomas J. Snyder, Assistant Vice President
Robert Stratton, Assistant Vice President
Walter W. Thomsen, Assistant Vice President
W. Joe Watson, Assistant Vice President
John W. White, Assistant Vice President
Robert W. Wilmot, Assistant Vice President
Charles R. Wofford, Assistant Vice President
Weldon R. Word, Assistant Vice President

The address of the above named officers is:

13500 North Central Expressway
Dallas, Texas 75201

Terms expire:

All are elected annually until successors are
duly elected and qualified.

TEXAS INSTRUMENTS INCORPORATED
DIRECTORS AS OF 12/31/80

Board of Directors:

Mark Shepherd, Jr., Chairman and Chief Executive Officer
J. Fred Bucy, President and Chief Operating Officer
Eugene G. Fubini, General Director
S. T. Harris, General Director
Edward R. Kane, General Director
Paul F. Lorenz, General Director
Paul W. McCracken, General Director
Frederick Seitz, General Director
Bryan F. Smith, General Director
C. J. Thomsen, General Director
William L. Lindholm, General Director
James L. Voss, General Director

Honorary Directors:

Cecil H. Green
J. E. Jonsson

The address of the above named directors is:

13500 North Central Expressway
Dallas, Texas 75222

Terms expire:

All are elected annually until successors
are duly elected and qualified.

C E R T I F I C A T E

I, WILLIAM J. ROCHE, Secretary of TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, U. S. A., do hereby certify that the following are resolutions adopted at a meeting of the Board of Directors of said Corporation, duly held on May 31, 1980, a quorum being present, and that such resolutions have not been modified or rescinded, and are now in effect:

"RESOLVED, that the resolutions adopted by the Board of Directors on February 27, 1978, relating to authority to execute tax returns and related documents and to retain property tax consultants, are hereby rescinded; and it is

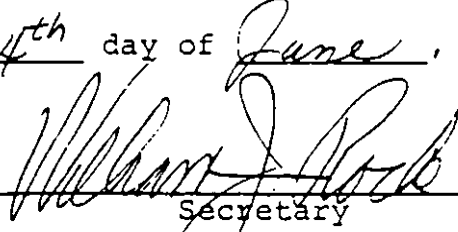
"FURTHER RESOLVED, that Stewart Carrell, Marvin M. Lane, Jr., Edgar D. Miller III, and Odom Sherman, Jr., are each hereby authorized to execute on behalf of the Company any and all tax returns and related documents required to be prepared and filed by the Company; and it is

"FURTHER RESOLVED, that Stewart Carrell is hereby authorized to delegate his authority to execute such tax returns and documents to other officers of the Company with the prior written approval of Mark Shepherd, Jr., J. Fred Bucy, A. Ray McCord or James L. Fischer; and it is

"FURTHER RESOLVED, that Stewart Carrell be and he is hereby authorized to retain property tax consultants to prepare, execute and submit on behalf of the Company documents rendering property for ad valorem tax purposes."

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said Corporation this 4th day of June, 1980.




Secretary
TEXAS INSTRUMENTS INCORPORATED

Chairman and Chief Executive Officer	13500 North Central Expressway Dallas, Texas 75265
J. Fred Bucy President and Chief Operating Officer	13500 North Central Expressway Dallas, Texas 75265
Eugene G. Fubini General Director	1901 N. Fort Myer Drive #1200 Arlington, Virginia 22209
Patrick E. Haggerty General Director	13500 North Central Expressway Dallas, Texas 75265
S. T. Harris General Director	13500 North Central Expressway Dallas, Texas 75265
Edward R. Kane General Director	DuPont Building, Room 2012 Wilmington, Delaware 19898
William L. Lindholm Director	13500 North Central Expressway Dallas, Texas 75265
Paul F. Lorenz General Director	10 West Long Lake Road Bloomfield Hills, Michigan 4801
Paul W. McCracken General Director	The University of Michigan Ann Arbor, Michigan 48109
Frederick Seitz General Director	The Rockefeller University 1230 York Avenue New York, New York 10021
Bryan F. Smith General Director	13500 North Central Expressway Dallas, Texas 75265
C. J. Thomsen General Director	13500 North Central Expressway Dallas, Texas 75265
James M. Voss General Director	Caltex Petroleum Corporation 380 Madison Avenue New York, New York 10017

Officers

Mark Shepherd, Jr. Chairman and Chief Executive Officer	13500 North Central Expressway Dallas, Texas 75265
J. Fred Bucy President and Chief Operating Officer	13500 North Central Expressway Dallas, Texas 75265
A. Ray McCord Executive Vice President	13500 North Central Expressway Dallas, Texas 75265
James L. Fischer Executive Vice President	13500 North Central Expressway Dallas, Texas 75265
Stewart Carrell Senior Vice President	13500 North Central Expressway Dallas, Texas 75265

Huston M. Rice, Jr. Group Vice President	1001 E. Campbell Road Richardson, Texas 75081
William J. Roche Senior Vice President, Secretary and General Counsel	13500 North Central Expressway Dallas, Texas 75265
Sam K. Smith Group Vice President	13500 North Central Expressway Dallas, Texas 75265
John M. Walker Senior Vice President	13500 North Central Expressway Dallas, Texas 75265
Joseph D. Zimmerman Group Vice President	13500 North Central Expressway Dallas, Texas 75265
Donald W. Brooks Vice President	4000 Greenbriar Drive Houston, Texas 77001
John Chandler, Jr. Vice President	13551 North Central Expressway Dallas, Texas 75243
Charles M. Clough Vice President	Boite Postale 5 06270 Villeneuve-Loubet France
Dale E. Cunningham Vice President	13500 North Central Expressway Dallas, Texas 75265
Doss D. Dunlop Vice President	7800 Banner Drive Dallas, Texas 75251
William I. George Vice President	34 Forest Street Attleboro, Massachusetts 02703
Robert J. Graebner Vice President	7800 Banner Drive Dallas, Texas 75251
Rolf R. Haberecht Vice President	13500 North Central Expressway Dallas, Texas 75265
George H. Heilmeyer Vice President	13500 North Central Expressway Dallas, Texas 75265
James M. Hubbard Vice President	13500 North Central Expressway Dallas, Texas 75265
Jerry R. Junkins Vice President	13500 North Central Expressway Dallas, Texas 75265
Ronald F. Keener Vice President	13500 North Central Expressway Dallas, Texas 75265
Marvin M. Lane, Jr. Vice President and Treasurer	13500 North Central Expressway Dallas, Texas 75265
Bernard H. List Vice President	P.O. Box 6448 Midland, Texas 79701
Dolan K. McDaniel Vice President	7800 Banner Drive Dallas, Texas 75251

Robert C. Pearson Vice President and Controller	13500 North Central Expressway Dallas, Texas 75265
Ronald J. Ritchie Vice President	9777 West Gulfbank Drive Houston, Texas 77040
William N. Sick, Jr. Vice President	2301 North University Avenue Lubbock, Texas 79408
H. Dean Toombs Vice President	13500 North Central Expressway Dallas, Texas 75265
William P. Weber Vice President	480 West Roundgrove Road Lewisville, Texas 75067
William E. Wetsel Vice President	13500 North Central Expressway Dallas, Texas 75265
Dietmar Wolff Vice President	Haggertystrasse 1 8050 Freising Germany
Willis A. Adcock Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Anthony F. Amante Asst. Vice President	24500 Highway 290 Houston, Texas 77429
William A. Aylesworth Asst. Treasurer	13500 North Central Expressway Dallas, Texas 75265
James W. Bagley Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Pierre J. Clavier Asst. Vice President	Boite Postale 5 06270 Villeneuve-Loubet France
Nick C. Davis Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
James M. Eckhart Asst. Vice President	Boite Postale 5 06270 Villeneuve-Loubet France
John V. Gilhooly Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
George M. Graham, Jr. Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Philip R. Gray, Jr. Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
John R. Hanne Asst. Vice President	12501 Research Boulevard Austin, Texas 78769
Richard K. Hulton Asst. Treasurer	13500 North Central Expressway Dallas, Texas 75265

Eugene D. Miller III Asst. Treasurer	13500 North Central Expressway Dallas, Texas 75265
Haller M. Moyers Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Donald P. Mundell Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Clara C. O'Donnell Asst. Secretary	13500 North Central Expressway Dallas, Texas 75265
Bruno Pagliuca Asst. Vice President	Boite Postale 5 06270 Villeneuve-Loubet France
Eckhard Pfeiffer Asst. Vice President	Boite Postale 5 06270 Villeneuve-Loubet France
Charles H. Phipps Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Gerald R. Pierce Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Hans J. Schuetze Asst. Vice President	Haggertystrasse 1 8050 Freising Germany
Melvin Sharp Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Thomas J. Snyder Asst. Vice President	34 Forest Street Attleboro, Massachusetts 02703
Robert Stratton Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Walter W. Thomsen Asst. Vice President	7800 Banner Drive Dallas, Texas 75251
W. Joe Watson Asst. Vice President	12501 Research Boulevard Austin, Texas 78769
John W. White Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Robert W. Wilmot Asst. Vice President	Manton Lane Bedford, England MK41 7PA
Charles R. Wofford Asst. Vice President	13500 North Central Expressway Dallas, Texas 75265
Weldon R. Word Asst. Vice President	480 W. Roundgrove Road Lewisville, Texas 75067

Filing fee: \$15.00

To be filed annually
between January 1st and March 1st

State of Rhode Island and Providence Plantations
OFFICE OF THE SECRETARY OF STATE

ANNUAL REPORT
OF

TEXAS INSTRUMENTS INCORPORATED

Pursuant to the provisions of Section 7.1.1-118 of the General Laws, 1956, as amended, the undersigned corporation hereby submits the following annual report:

FIRST: The name of the corporation is
TEXAS INSTRUMENTS INCORPORATED

SECOND: It is incorporated under the laws of STATE OF DELEWARE

THIRD: The address of its registered office in Rhode Island is
111 WESTMINSTER PROVIDENCE, RHODE ISLAND 02903
and the name of its registered agent in Rhode Island at such address is
THE C.T. CORPORATION SYSTEM

FOURTH: If a foreign corporation, the address of its principal office in the state or country under the laws of which it is incorporated is
100 WEST TENTH ST. WILMINGTON, DELEWARE 19899

FIFTH: The character of the business in which it is actually engaged in Rhode Island, briefly stated, is
THE SALE AND LEASE OF ELECTRONIC AND ELECTRICAL PRODUCTS

SIXTH: The names and respective addresses of its directors and officers are:

Name	Office	Address
	Director	
	Director	
	Director	
	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

SCHEDULE ATTACHED

ALL OFFICERS AND DIRECTORS MAY BE REACHED AT:

13500 N. CENTRAL EXPRESSWAY DALLAS, TEXAS 75265

SEVENTH: The aggregate number of shares which it has authority to issue, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:

Number of Shares	Class	Series	Par Value per Share or Statement that Shares are without Par Value
30,000,000	COMMON	-	\$ 1.00
750,000	PREFERRED	-	\$ 25.00

APR 16 1980

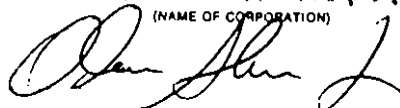
EIGHTH: The aggregate number of its issued shares, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:

<u>Number of Shares</u>	<u>Class</u>	<u>Series</u>	<u>Par Value per Share or Statement that Shares are without Par Value</u>
23,055,948	COMMON		\$ 1.00

Dated 19 FEBRUARY , 19 80 TEXAS INSTRUMENTS INCORPORATED

(NAME OF CORPORATION)

By



Its US TAX COMPLIANCE MANAGER
SEE BOARD RESOLUTION ATTACHED

Directors and Officers

AS OF JAN. 31, 1980

Board of Directors

Mark Shepherd, Jr., *Chairman and Chief Executive Officer*
William M. Batten, *General Director, Chairman and Chief Executive Officer of the New York Stock Exchange*
J. Fred Bucy, *President and Chief Operating Officer*
Eugene G. Fubini, *General Director, private consultant to industry and government*
Patrick E. Haggerty, *General Director and Honorary Chairman*
S. T. Harris, *General Director*
Edward R. Kane, *General Director, retired President, E. I. du Pont de Nemours & Company*
William L. Lindholm, *Director, retired President, American Telephone and Telegraph Company*
Paul F. Lorenz, *General Director, retired Executive Vice President, Ford Motor Company*
Paul W. McCracken, *General Director, Professor, The University of Michigan*
Frederick Seitz, *General Director, President Emeritus, The Rockefeller University*
Bryan F. Smith, *General Director*
C. J. Thomsen, *General Director*
James M. Voss, *General Director, Chairman and Chief Executive Officer of Caltex Petroleum Corporation*

Honorary Directors

Cecilia Green
J. E. Jonsson

Officers

Mark Shepherd, Jr., *Chairman and Chief Executive Officer*
J. Fred Bucy, *President and Chief Operating Officer*
A. Ray McCord, *Executive Vice President*
Stewart Carrell, *Group Vice President*
C. M. Chang, *Group Vice President*
Grant A. Dove, *Group Vice President*
James L. Fischer, *Group Vice President*
Sam K. Smith, *Group Vice President*
Joseph D. Zimmerman, *Group Vice President*
Liston M. Rice, Jr., *Senior Vice President*
William J. Roche, *Senior Vice President, Secretary and General Counsel*
John M. Walker, *Senior Vice President and Treasurer*
John Chandler, Jr., *Vice President*
Charles M. Clough, *Vice President*
Dale E. Cunningham, *Vice President*
Doss D. Dunlop, *Vice President*
William George, *Vice President*
Robert J. Graebner, *Vice President*
Rolf R. Haberecht, *Vice President*
George H. Heilmeyer, *Vice President*
Jerry R. Jenkins, *Vice President*
Ronald F. Keener, *Vice President*
Bernard H. L. St., *Vice President*
Doan K. McDaniel, *Vice President*
Howard Moss, *Vice President*
Edward P. O'Neil, *Vice President*
Robert C. Pearson, *Vice President and Controller*
Ronald J. Ritchie, *Vice President*
William N. Sick, Jr., *Vice President*
H. Dean Toombs, *Vice President*
William P. Weber, *Vice President*
William E. Wetsel, *Vice President*
Delmar Wolff, *Vice President*
Willis A. Adcock, *Asst. Vice President*
Anthony F. Amante, *Asst. Vice President*
James W. Bagley, *Asst. Vice President*
Donald W. Brooks, *Asst. Vice President*
Pierre J. Clavier, *Asst. Vice President*
Nick C. Davis, *Asst. Vice President*
James M. Eckhart, *Asst. Vice President*
John V. Gilhooly, *Asst. Vice President*
George M. Graham, Jr., *Asst. Vice President*
Philip R. Gray, Jr., *Asst. Vice President*

James M. Hubbard, *Asst. Vice President*
Eric L. Jones, *Asst. Vice President*
Marvin M. Lane, Jr., *Asst. Vice President*
Eugene R. McFarland, *Asst. Vice President*
John J. Mayhore, Jr., *Asst. Vice President*
Haller M. Moyers, *Asst. Vice President*
Donald P. Mundell, *Asst. Vice President*
Bruno Pagliuca, *Asst. Vice President*
Eckhard Pfeiffer, *Asst. Vice President*
Charles H. Phipps, *Asst. Vice President*
Gerald R. Perce, *Asst. Vice President*
Hans J. Schuetze, *Asst. Vice President*
Melvin Sharp, *Asst. Vice President*
Thomas J. Snyder, *Asst. Vice President*
Robert Stratton, *Asst. Vice President*
Walter W. Thomsen, *Asst. Vice President*
W. Joe Watson, *Asst. Vice President*
John W. White, *Asst. Vice President*
Robert W. Wilnot, *Asst. Vice President*
Charles R. Wofford, *Asst. Vice President*
Weldon R. Word, *Asst. Vice President*
Ciara C. O'Donnell, *Asst. Secretary*
Richard K. Hutton, *Asst. Treasurer*
Edgar D. Miller III, *Asst. Treasurer*

TI Fellows (See page 16)

Willis A. Adcock, *TI Principal Fellow*
Robert Bassoan, *TI Senior Fellow*
Harvey G. Cragon, *TI Senior Fellow*
Russell H. Logan, *TI Senior Fellow*
Dennis D. Buss
James B. Covillon
George H. Doddington
Ronald L. Gassner
Ralph A. Harris
George S. Hopper
Charles R. Kost
David J. McElroy
Jerry D. Merryman
T. Cotton Fenn
G. R. Mohan Rao
Al F. Tasch, Jr.

Texas Instruments Incorporated
Board Resolutions - May 20, 1976

RESOLVED, that the resolutions authorizing execution of tax returns and related documents adopted by the Board of Directors on February 23, 1976, are hereby rescinded; and it is

FURTHER RESOLVED, that John M. Walker, Edgar D. Miller, III, and Odom Sherman, Jr., are each hereby authorized to execute on behalf of the Company any and all tax returns and related documents required to be prepared and filed by the Company; and it is

To be filed annually
between January 1st and March 1st

ANNUAL REPORT
OF

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APR 10 1980

EIGHTH: The aggregate number of its issued shares, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:


<u>Number of Shares</u>	<u>Class</u>	<u>Series</u>	<u>Par Value per Share or Statement that Shares are without Par Value</u>
100,000	Common	--	\$100

Dated February 27 , 1980

TEXAS-U.S. CHEMICAL COMPANY

(NAME OF CORPORATION)

By


Bernie J. Bourque
Treasurer-Comptroller

TEXAS-U. S. CHEMICAL COMPANY

DIRECTORS AND OFFICERS

DIRECTORS

<u>NAME</u>	<u>TITLE</u>	<u>BUSINESS ADDRESS</u>	<u>HOME ADDRESS</u>
G. A. ANDERSON		UNIROYAL CHEMICAL COMPANY ELM STREET NAUGATUCK, CONNECTICUT 06770	102 HICKORY LANE NAUGATUCK, CONNECTICUT 06770
W. J. BURKE		TEXAS-U. S. CHEMICAL COMPANY TWO GREENWICH PLAZA GREENWICH, CONNECTICUT 06830	27 NORMANDY LANE RIVERSIDE, CONNECTICUT 06878
S. H. DANOWITZ		UNIROYAL, INC. OXFORD MANAGEMENT & RESEARCH CENTER MIDDLEBURY, CONNECTICUT 06749	5 DEERWOOD ROAD WESTPORT, CONNECTICUT 06880
J. P. FLANNERY		UNIROYAL, INC. OXFORD MANAGEMENT & RESEARCH CENTER MIDDLEBURY, CONNECTICUT 06749	435 SQUIRE HILL ROAD CHESHIRE, CONNECTICUT 06410
J. J. GLOVER		TEXAS-U. S. CHEMICAL COMPANY P. O. BOX 667 PORT NECHES, TEXAS 77651	7840 AUTUMN DRIVE BEAUMONT, TEXAS 77706
B. C. HAYTON		TEXACO INC. P. O. BOX 430 BELLAIRE, TEXAS 77401	10602 TARRINGTON HOUSTON, TEXAS 77024
J. W. KINNEAR		TEXACO INC. 2000 WESTCHESTER AVENUE WHITE PLAINS, NEW YORK 10650	149 TACONIC ROAD GREENWICH, CONNECTICUT 06830

OFFICERS

J. P. FLANNERY	CHAIRMAN OF THE BOARD	UNIROYAL, INC. OXFORD MANAGEMENT & RESEARCH CENTER MIDDLEBURY, CONNECTICUT 06749	435 SQUIRE HILL ROAD CHESHIRE, CONNECTICUT 06410
J. J. GLOVER	PRESIDENT	TEXAS-U. S. CHEMICAL COMPANY P. O. BOX 667 PORT NECHES, TEXAS 77651	7840 AUTUMN DRIVE BEAUMONT, TEXAS 77706
W. J. BURKE	VICE PRESIDENT - MARKETING	TEXAS-U. S. CHEMICAL COMPANY TWO GREENWICH PLAZA GREENWICH, CONNECTICUT 06830	27 NORMANDY LANE RIVERSIDE, CONNECTICUT 06878
B. J. BOURQUE	TREASURER-COMPTROLLER & ASSISTANT SECRETARY	TEXAS-U. S. CHEMICAL COMPANY P. O. BOX 667 PORT NECHES, TEXAS 77651	3348 BRITTANY AVENUE PORT ARTHUR, TEXAS 77640
CARL B. DAVIDSON	SECRETARY	TEXACO INC. 2000 WESTCHESTER AVENUE WHITE PLAINS, NEW YORK 10650	101 LAUREL ROAD PRINCETON, NEW JERSEY 08540
D. P. HERTZOG	ASSISTANT SECRETARY	TEXACO INC. 2000 WESTCHESTER AVENUE WHITE PLAINS, NEW YORK 10650	117 MONTEREY AVENUE PELHAM, NEW YORK 10803
S. M. JONES	ASSISTANT SECRETARY	TEXACO INC. 2000 WESTCHESTER AVENUE WHITE PLAINS, NEW YORK 10650	TRINITY LANE POUND RIDGE, NEW YORK 10576

Filing fee: \$15.00

1980

To be filed annually
between January 1st and March 1st

State of Rhode Island and Providence Plantations
OFFICE OF THE SECRETARY OF STATE

**ANNUAL REPORT
OF**

TEXTAR PAINTING CORPORATION

Pursuant to the provisions of Section 7.1.1-118 of the General Laws, 1956, as amended, the undersigned corporation hereby submits the following annual report:

FIRST: The name of the corporation is Textar Painting Corporation

SECOND: It is incorporated under the laws of the Commonwealth of
Pennsylvania

THIRD: The address of its registered office in Rhode Island is
2700 Hospital Trust Tower, Providence, R. I. 02903
and the name of its registered agent in Rhode Island at such address is
Jonathan E. Cole, Esq.

FOURTH: If a foreign corporation, the address of its principal office in the state or country under the laws of which it is incorporated is
319 Watkins Avenue, Upper Darby, Pennsylvania 19082

FIFTH: The character of the business in which it is actually engaged in Rhode Island, briefly stated, is structural steel painting, sandblasting,
waterproofing and exterior painting.

SIXTH: The names and respective addresses of its directors and officers are:

Name	Office	Address
Anestis Baridis	Director	1207 Andover Rd., Philadelphia, Pennsylvania
	Director	
	Director	
	Director	
	Director	
	Director	
Anestis Baridis	President	1207 Andover Rd., Phila., Pa.
	Vice President	
Anestis Baridis	Secretary	
	Treasurer	

SEVENTH: The aggregate number of shares which it has authority to issue, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:

Number of Shares	Class	Series	Par Value per Share or Statement that Shares are without Par Value
200	Common		\$100

APR 16 1980

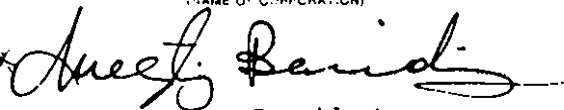
EIGHTH: The aggregate number of its issued shares, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:

<u>Number of Shares</u>	<u>Class</u>	<u>Series</u>	<u>Par Value per Share or Statement that Shares are without Par Value</u>
200	Common		\$100

Dated February 28 , 19 80

TEXTAR PAINTING CORPORATION

(NAME OF CORPORATION)

By 
Its President

Filing fee: \$15.00

To be filed annually
between January 1st and March 1st

State of Rhode Island and Providence Plantations
OFFICE OF THE SECRETARY OF STATE

**ANNUAL REPORT
OF**

Texas Instruments Incorporated

Pursuant to the provisions of Section 7.1.1-118 of the General Laws, 1956, as amended, the undersigned corporation hereby submits the following annual report:

FIRST: The name of the corporation is

Texas Instruments Incorporated

SECOND: It is incorporated under the laws of *Delaware*

THIRD: The address of its registered office in Rhode Island is

111 Westminister Street Providence, Rhode Island 02903

and the name of its registered agent in Rhode Island at such address is

C. T. Corporation System

FOURTH: If a foreign corporation, the address of its principal office in the state or country under the laws of which it is incorporated is

*The Corporation Trust Company
100 West Tenth Street, Wilmington, Delaware 19899*

FIFTH: The character of the business in which it is actually engaged in Rhode Island, briefly stated, is *Sale and lease of electronic and electrical products*

SIXTH: The names and respective addresses of its directors and officers are:

Name	Office	Address
<i>Schedule Attached</i>	Director	
	Director	
	Director	
	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

SEVENTH: The aggregate number of shares which it has authority to issue, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:

Number of Shares	Class	3 26 79 Series	Par Value per Share or Statement that Shares are without Par Value
750,000	Preferred		\$25
30,000,000	Common09.....1500 1767A14.....1500BL	\$1

APR 21 1979

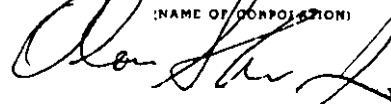
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EIGHTH: The aggregate number of its issued shares, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:

<u>Number of Shares</u>	<u>Class</u>	<u>Series</u>	<u>Par Value per Share or Statement that Shares are without Par Value</u>
23041,124	Common		#1

Dated February , 1979 Texas Instruments Incorporated

By



Its Mgr. U.S. Tax Compliance
See Copy of Board of
Directors Resolution Attached

TEXAS INSTRUMENTS INCORPORATED

OFFICERS AS OF 01-25-79

Mark Shepherd, Jr., Chairman and Chief Executive Officer
J. Fred Bucy, President and Chief Operating Officer
A. Ray McCord, Executive Vice President
Stewart Carrell, Group Vice President
C. M. Chang, Group Vice President
Grant A. Dove, Group Vice President
James L. Fischer, Group Vice President
Sam K. Smith, Group Vice President
Joseph D. Zimmerman, Group Vice President
John M. Walker, Senior Vice President and Treasurer
William J. Roche, Senior Vice President, Secretary and General Counsel
Liston M. Rice, Jr., Senior Vice President
John Chandler, Jr., Vice President
Charles M. Clough, Vice President
Dale E. Cunningham, Vice President
Doss D. Dunlop, Vice President
Robert J. Graebner, Vice President
Rolf R. Haberecht, Vice President
George H. Heilmeier, Vice President
Jerry R. Junkins, Vice President
Bernard H. List, Vice President
Dolan K. McDaniel, Vice President
Howard Moss, Vice President
Fred C. Ochsner, Vice President
Edward P. O'Neill, Vice President
Robert C. Pearson, Vice President and Controller
Ronald J. Richie, Vice President
William N. Sick, Jr., Vice President
H. Dean Toombs, Vice President
William E. Wetsel, Vice President
Dietmar Wolff, Vice President
Clara C. O'Donnell, Assistant Secretary
Richard K. Hulton, Assistant Treasurer
Edgar D. Miller III, Assistant Treasurer

TEXAS INSTRUMENTS INCORPORATED
OFFICERS AS OF 01-25-79
Page 2

Willis A. Adcock, Assistant Vice President
Anthony F. Amante, Assistant Vice President
James W. Bagley, Assistant Vice President
Donald W. Brooks, Assistant Vice President
Pierre J. Calvier, Assistant Vice President
Nick C. Davis, Assistant Vice President
James M. Eckhart, Assistant Vice President
William I. George, Assistant Vice President
John V. Gilhooly, Assistant Vice President
George M. Graham, Jr., Assistant Vice President
Philip R. Gray, Jr., Assistant Vice President
James M. Hubbard, Assistant Vice President
Eric L. Jones, Assistant Vice President
Ronald F. Keener, Assistant Vice President
Marvin M. Lane, Jr., Assistant Vice President
Eugene R. McFarland, Assistant Vice President
John J. Migliore, Jr., Assistant Vice President
Haller M. Moyers, Assistant Vice President
Donald P. Mundell, Assistant Vice President
Bruno Pagliuca, Assistant Vice President
Eckhard Pfeiffer, Assistant Vice President
Charles H. Phipps, Assistant Vice President
Gerald R. Pierce, Assistant Vice President
Hans Schuetze, Assistant Vice President
Melvin Sharp, Assistant Vice President
Thomas J. Snyder, Assistant Vice President
Robert Stratton, Assistant Vice President
Walter W. Thomsen, Assistant Vice President
W. Joe Watson, Assistant Vice President
William P. Weber, Assistant Vice President
John W. White, Assistant Vice President
George L. William, Assistant Vice President
Charles R. Wofford, Assistant Vice President
Weldon R. Word, Assistant Vice President

The address of the above named Officers is:

13500 North Central Expressway, Dallas, Texas 75201

Terms expire: All are elected annually until successors are
duly elected and qualified.

TEXAS INSTRUMENTS INCORPORATED

Directors as of 12/31/78

75-0289970

Board of Directors:

Mark Shepherd, Jr., Chairman and Chief Executive Officer
William M. Batten, General Director; Chairman and Chief Executive
Officer of the New York Stock Exchange
J. Fred Bucy, President and Chief Operating Officer
Eugene G. Fubini, General Director; private consultant to
industry and government
Patrick E. Haggerty, General Director and Honorary Chairman
S. T. Harris, General Director
Paul F. Lorenz, General Director; retired Executive Vice President, Ford
Motor Company
Paul W. McCracken, General Director; Professor, the University of Michigan
Frederick Seitz, General Director; President, the Rockefeller University
Bryan F. Smith, General Director; Chancellor, the University of Dallas
C. J. Thomsen, General Director
William L. Lindholm - General Director

HONORARY DIRECTORS

Cecil H. Green
J. E. Jonsson

The address of the above named Directors is:

13500 North Central Expressway
Dallas, Texas 75201

Terms expire: All are elected annually until successors are
duly elected and qualified

Texas Instruments Incorporated
Board Resolutions - May 20, 1976

RESOLVED, that the resolutions authorizing execution of tax returns and related documents adopted by the Board of Directors on February 23, 1976, are hereby rescinded; and it is

FURTHER RESOLVED, that John M. Walker, Edgar D. Miller, III, and Odom Sherman, Jr., are each hereby authorized to execute on behalf of the Company any and all tax returns and related documents required to be prepared and filed by the Company; and it is

Filing fee: \$15.00

To be filed annually
between January 1st and March 1st

State of Rhode Island and Providence Plantations

OFFICE OF THE SECRETARY OF STATE

ANNUAL REPORT

OF

Texas Instruments Incorporated

Pursuant to the provisions of Section 7.1.1-118 of the General Laws, 1956, as amended, the undersigned corporation hereby submits the following annual report:

FIRST: The name of the corporation is

Texas Instruments Incorporated

SECOND: It is incorporated under the laws of *Delaware*

THIRD: The address of its registered office in Rhode Island is

111 Westminister Street, Providence, Rhode Island 02903

and the name of its registered agent in Rhode Island at such address is

C. T. Corporation System

FOURTH: If a foreign corporation, the address of its principal office in the state or country under the laws of which it is incorporated is *The Corporation Trust Company*
100 West Tenth Street, Wilmington, Delaware 19899

FIFTH: The character of the business in which it is actually engaged in Rhode Island, briefly stated, is *Sale and lease of electronic and electrical products*

SIXTH: The names and respective addresses of its directors and officers are:

Name	Office	Address
<i>Schedule</i>	Director	
<i>Attached</i>	Director	
	Director	
	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

SEVENTH: The aggregate number of shares which it has authority to issue, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:

Number of Shares	Class	Series	Par Value per Share or Statement that Shares are without Par Value
		3	
		17	
		78	
750,000	Preferred		4.25
30,000,000	Common		1


MAR 18 1978

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EIGHTH: The aggregate number of its issued shares, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:

<u>Number of Shares</u>	<u>Class</u>	<u>Series</u>	<u>Par Value per Share or Statement that Shares are without Par Value</u>
23,034,192	Common		#1

Dated February , 1978 Texas Instruments Incorporated
(NAME OF CORPORATION)

By 

in Mgr. U.S. Tax Compliance
see copy of Board of
Directors Resolution Attached

TEXAS INSTRUMENTS INCORPORATED

Directors as of 12/31/77

75-0289970

Board of Directors:

Mark Shepherd, Jr., Chairman and Chief Executive Officer
William M. Batten, General Director; Chairman and Chief Executive
Officer of the New York Stock Exchange
J. Fred Bucy, President and Chief Operating Officer
Eugene G. Fubini, General Director; private consultant to
industry and government
Patrick E. Haggerty, General Director and Honorary Chairman
S. T. Harris, General Director
Paul F. Lorenz, General Director; retired Executive Vice President, Ford
Motor Company
Paul W. McCracken, General Director; Professor, the University of Michigan
Frederick Seitz, General Director; President, the Rockefeller University
Bryan F. Smith, General Director; Chancellor, the University of Dallas
C. J. Thomsen, General Director
William L. Lindholm - General Director

HONORARY DIRECTORS

Cecil H. Green
J. E. Jonsson

The address of the above named Directors is:

13500 North Central Expressway
Dallas, Texas 75201

Terms expire: All are elected annually until successors are
duly elected and qualified

TEXAS INSTRUMENTS INCORPORATED

OFFICERS AS OF 12-31-77

Mark Shepherd, Jr., Chairman and Chief Executive Officer
J. Fred Bucy, President and Chief Operating Officer
A. Ray McCord, Executive Vice President
Stewart Carrell, Group Vice President
C. M. Chang, Group Vice President
Grant A. Dove, Group Vice President
Sam K. Smith, Group Vice President
Joseph D. Zimmerman, Group Vice President
James L. Fischer, Senior Vice President
John M. Walker, Senior Vice President and Treasurer
Charles M. Clough, Vice President
Dale E. Cunningham, Vice President
Doss D. Dunlop, Vice President
Robert J. Graebner, Vice President
Rolf R. Haberecht, Vice President
George H. Heilmeier, Vice President
Jerry R. Junkins, Vice President
Howard Moss, Vice President
Fred C. Ochsner, Vice President
Robert C. Pearson, Vice President and Controller
Liston M. Rice, Jr., Vice President
Ronald J. Ritchie, Vice President
William J. Roche, Vice President, Secretary and General Counsel
William N. Sick Jr., Vice President
Dietmar Wolff, Vice President
Bernard H. List, Asst. Vice President
Willis A. Adcock, Asst. Vice President
John Chandler, Jr., Asst. Vice President
Nick C. Davis, Asst. Vice President
William I. George, Asst. Vice President
John V. Gilhooly, Asst. Vice President
George M. Graham, Jr., Asst. Vice President
Ronald F. Keener, Asst. Vice President
Dolan K. McDaniel, Asst. Vice President
Eugene R. McFarland, Asst. Vice President
Donald P. Mundell, Asst. Vice President
Edward P. O'Neill, Asst. Vice President
Charles H. Phipps, Asst. Vice President
Thomas J. Snyder, Asst. Vice President
Robert Stratton, Asst. Vice President
H. Dean Toombs, Asst. Vice President
William E. Wetsel, Asst. Vice President
George I. Williams, Asst. Vice President
Charles R. Wofford, Asst. Vice President
Weldon R. Word, Asst. Vice President
Clara C. O'Donnell, Asst. Secretary
Richard K. Hulton, Asst. Treasurer
Marvin M. Lane, Jr., Asst. Treasurer
Edgar D. Miller III, Asst. Treasurer

The address of the above named Officers is: 13500 North Central Expressway
Dallas, Texas 75201

Texas Instruments Incorporated
Board Resolutions - May 20, 1976

RESOLVED, that the resolutions authorizing execution of tax returns and related documents adopted by the Board of Directors on February 23, 1976, are hereby rescinded; and it is

FURTHER RESOLVED, that John M. Walker, Edgar D. Miller, III, and Odom Sherman, Jr., are each hereby authorized to execute on behalf of the Company any and all tax returns and related documents required to be prepared and filed by the Company; and it is

Filing fee. \$15.00

To be filed annually
between January 1st and March 1st

State of Rhode Island and Providence Plantations

OFFICE OF THE SECRETARY OF STATE

ANNUAL REPORT

OF

TEXAS Instruments Incorporated

Pursuant to the provisions of Section 7-1.1-118 of the General Laws, 1956, as amended, the undersigned corporation hereby submits the following annual report:

FIRST: The name of the corporation is *TEXAS Instruments Incorporated*

SECOND: It is incorporated under the laws of *DELAWARE*

THIRD: The address of its registered office in Rhode Island is *CT CORPORATION System, 111 Westminister Street, Providence Rhode Island 02903* and the name of its registered agent in Rhode Island at such address is *CT CORPORATION System, 111 Westminister Street, Providence, Rhode Island 02903*

FOURTH: If a foreign corporation, the address of its principal office in the state or country under the laws of which it is incorporated is *The CORPORATION TRUST Company 100 West Tenth Street, Wilmington, Delaware 19899*

FIFTH: The character of the business in which it is actually engaged in Rhode Island, briefly stated, is *SALE AND LEASE OF ELECTRONIC AND ELECTRICAL PRODUCTS*

SIXTH: The names and respective addresses of its directors and officers are:

Name	Office	Address
	Director	
	Director	
<i>Schedule Attached</i>	Director	
	Director	
	Director	
	Director	
	President	
	Vice President	
	Secretary	
	Treasurer	

SEVENTH: The aggregate number of shares which it has authority to issue, itemized by classes, par value of shares, shares without par value, and series, if any, within a class, is:

Number of Shares	Class	Series	Par Value per Share or Statement that Shares are without Par Value
750,000	Preferred		\$.25
30,000,000	COMMON		\$ 1

MAR 1 1977
[Signature]

EIGHTH: The aggregate number of its issued shares, itemized by classes, par value of shares, shares without par value, and series, if any, within a class. is:

Number of Shares	Class	Series	Par Value per Share or Statement that Shares are without Par Value
23,032,612	Common		\$ /

Dated 2/21 / , 1977

TEXAS INSTRUMENTS INCORPORATED
(NAME OF CORPORATION)

By Edgar D. Miller III
Its ASST TREASURER

Directors and Officers

Board of Directors

Mark Shepherd, Jr., *Chairman and Chief Executive Officer*
William M. Batten, *General Director, Chairman and Chief Executive Officer of the New York Stock Exchange*
J. Fred Bacy, *President and Chief Operating Officer*
Eugene G. Fubini, *General Director, private consultant to industry and government*
Patrick C. Murphy, *General Director and Honorary Chairman*
S. I. Harris, *General Director*
J. E. Jonsson, *General and Founder Director and Honorary Chairman*
Paul F. Lorenz, *General Director, retired Executive Vice President, Ford Motor Company*
Paul W. McCracken, *General Director, Professor, The University of Michigan*
Frederick Seitz, *General Director, President, The Rockefeller University*
Bryan F. Smith, *General Director*
C. J. Thomson, *General Director*

Honorary Director

Cecil H. Green

Officers

Mark Shepherd, Jr., *Chairman and Chief Executive Officer*
J. Fred Bacy, *President and Chief Operating Officer*
A. Ray McCord, *Executive Vice President*
Stewart Carrel, *Group Vice President*
C. M. Chang, *Group Vice President*
Grant A. Dove, *Group Vice President*
Sam K. Smith, *Group Vice President*
Joseph D. Zimmerman, *Group Vice President*
James L. Fischer, *Senior Vice President*
Joan M. Walker, *Senior Vice President and Treasurer*
Charles M. Cough, *Vice President*
Dale E. Cunningham, *Vice President*
Doss D. Dunlop, *Vice President*
Robert J. Grauman, *Vice President*
Rolf R. Haberecht, *Vice President*
Joseph M. Hendrey, *Vice President*
Jerry R. Jenkins, *Vice President*
Howard Moss, *Vice President*
Fred C. Ochsner, *Vice President*
Robert C. Pearson, *Vice President and Controller*
Luston M. Rice, Jr., *Vice President*
Ronald J. Ritchie, *Vice President*
William J. Roche, *Vice President, Secretary and General Counsel*
Dietmar Woff, *Vice President*
Willis A. Adcock, *Asst. Vice President*
John Chandler, Jr., *Asst. Vice President*
Nick C. Davis, *Asst. Vice President*
Norman G. Einspruch, *Asst. Vice President*
Henry D. Epstein, *Asst. Vice President*
William I. George, *Asst. Vice President*
John V. G. Giebel, *Asst. Vice President*
George M. Graham, Jr., *Asst. Vice President*
Ronald F. Keener, *Asst. Vice President*
Harold Levine, *Asst. Vice President*
Dolan K. McDermott, *Asst. Vice President*
Eugene R. McFarland, *Asst. Vice President*
Donald P. Mundell, *Asst. Vice President*
Edward P. O'Neill, *Asst. Vice President*
Charles H. Phillips, *Asst. Vice President*
William N. Sick, Jr., *Asst. Vice President*
Thomas J. Snyder, *Asst. Vice President*
Robert Stratton, *Asst. Vice President*
H. Dean Tonnies, *Asst. Vice President*
William E. Walnut, *Asst. Vice President*
George L. Williams, *Asst. Vice President*
Charles R. Wolford, *Asst. Vice President*
Weldon R. Word, *Asst. Vice President*
Richard K. Zaiton, *Asst. Treasurer*
Marvin M. Lane, Jr., *Asst. Treasurer*
Edgar D. Miller III, *Asst. Treasurer*

The address of the above named Officers and Directors is:

13500 North Central Expressway
Dallas, Texas 75201

Terms expire:

All are elected annually until successors are duly elected and qualified.

MAR 1 1977