

# AD-4326A/B

## WEIGHING INDICATOR

### TECHNICAL INFORMATION

Tech-AD-4326A/B-v.1.a 94/10/26 HYM

**AD-4326A**

**AD-4326B**

**AND**  
A&D Company, Limited

# Contents

## Electronic Circuit Parts List

7PZ:2677-MAIN	Main Board
7PZ:2677-A/D	Power Supply and Analog
7PZ:2732	RS232C and Relay output
7PZ:2732A	RS232C
7PZ:2733	Current Loop

## Electronic Circuit Diagram

PZ:2677	Main/Analog Board
PZ:2732	RS232C and Relay output
PZ:2732A	RS232C
PZ:2733	Current Loop

## Board Component Location

PZ:2677	Main/Analog Board
PZ:2732	RS232C and Relay output
PZ:2732A	RS232C
PZ:2733	Current Loop

## Exploded View

VIEW-1
VIEW-2
VIEW-3

# PARTS LIST

7 P Z : 2 6 7 7 - M A I N			
CIRCUIT SYMBOL	PARTS NAME	DESCRIPTION	Q' TY
C29 C15, 16, 18, 23~26 C34~37 C20, 21	PC : 2 6 7 7 E CC : 0 . 0 1 U T CC : 0 . 1 U 2 5 V T CC : 3 3 0 P T CT : 1 V 0 1 0 T	PRINTED CIRCUIT BOARD CAPACITOR 0.01 $\mu$ F 50V CAPACITOR 0.1 $\mu$ F 25V CAPACITOR 330pF CAPACITOR 1 $\mu$ F 35V	1 1 7 4 2
D1~15, 17 BZ1 HT1 J5 J4	DI : 1 S S 2 7 0 T ET : M E B - 1 2 C - 5 HT : 6 0 7 3 P B JI : 1 0 P - S 2 L 2 - E F JI : 1 1 P - S 2 L 2 - E F	DIODE MICRO BUZZER HEAT SINK CONNECTOR CONNECTOR	16 1 1 1 1
Q2 Q3, 4 Q5 R6, 7, 10, 13 R33	QT : A 1 0 1 5 Y T QT : B A 1 A 4 P T QT : B N 1 A 4 P T RC : N A T 1 . 5 K J T RC : N A T 1 0 K J T	TRANSISTOR 2SA1015Y TRANSISTOR BA1A4P TRANSISTOR BN1A4P RESISTOR 1.5K $\Omega$ 1/4W RESISTOR 10K $\Omega$ 1/4W	1 2 1 4 1
R18, 27, 28, 30 R11 R8, 31, 32 R9, 12, 15~17, 26 R23, 25	RC : N A T 2 . 7 K J T RC : N A T 2 7 0 R J T RC : N A T 5 . 6 K J T RC : N A T 5 6 K J T RN : I H R - 4 - 2 2 3 M A	RESISTOR 2.7K $\Omega$ 1/4W RESISTOR 270K $\Omega$ 1/4W RESISTOR 5.6K $\Omega$ 1/4W RESISTOR 56K $\Omega$ 1/4W RESISTOR NETWORK 22K $\Omega$	4 1 3 6 2
R24 S1~16 U5 U3 U4	RN : I H R - 8 - 2 2 3 M A SK : S K H H A K UA : S - 8 0 5 4 A L B UC : H C 0 2 UC : H C 7 4	RESISTOR NETWORK 22K $\Omega$ TACT SWITCH VOLTAGE COMPARATOR HCMOS IC HCMOS IC	1 16 1 1 1
U2 U1 X1 U6	UC : R P 9 3 C 4 6 UR : 2 4 M 0 5 H F XT : K B R 4 . 9 1 M K S T F UC : 4 7 C 8 2 0 2 - N 9 7 7	EEPROM VOLTAGE REGULATOR CERAMIC OSC CPU	1 1 1 1

## PARTS LIST

7 P Z : 2 6 7 7 - A / D

7 P Z : 2 6 7 7 - A / D			
CIRCUIT SYMBOL	PARTS NAME	DESCRIPTION	Q' TY
C34 C1, 2, 4, 6~8, 10, 12, 13 C3 C5	PC : 2 6 7 7 E CC : 0. 0 1 U T CC : 0. 1 U 2 5 V T CK : S X E 2 5 V B 4 7 0 L CK : S X E 3 5 V B 1 0 0	PRINTED CIRCUIT BOARD CAPACITOR 0.01 $\mu$ F 50V CAPACITOR 0.1 $\mu$ F 25V CAPACITOR 470 $\mu$ F 25V CAPACITOR 100 $\mu$ F 35V	1 1 9 1 1
J1 J3 J2 NF1 Q1	JE : 0 4 8 6 - 0 1 - 0 1 0 JI : 1 1 P - S 2 T 2 - E F JI : 7 P - S 2 T 2 - E F NF : E X C E M T 1 0 3 D T QT : A 1 0 2 0 Y T	CONNECTOR CONNECTOR CONNECTOR EMI FILTER TRANSISTOR 2SA1020-Y	1 1 1 1 1
R1 S17	RC : N A T 2 7 0 R J T SK : E V Q - Q S 3 0 7 K MF : A M Z 4 1	RESISTOR 270 $\Omega$ 1/4W TACT SWITCH AD MODULE	1 1 1

# PARTS LIST

7 P Z : 2 7 3 2

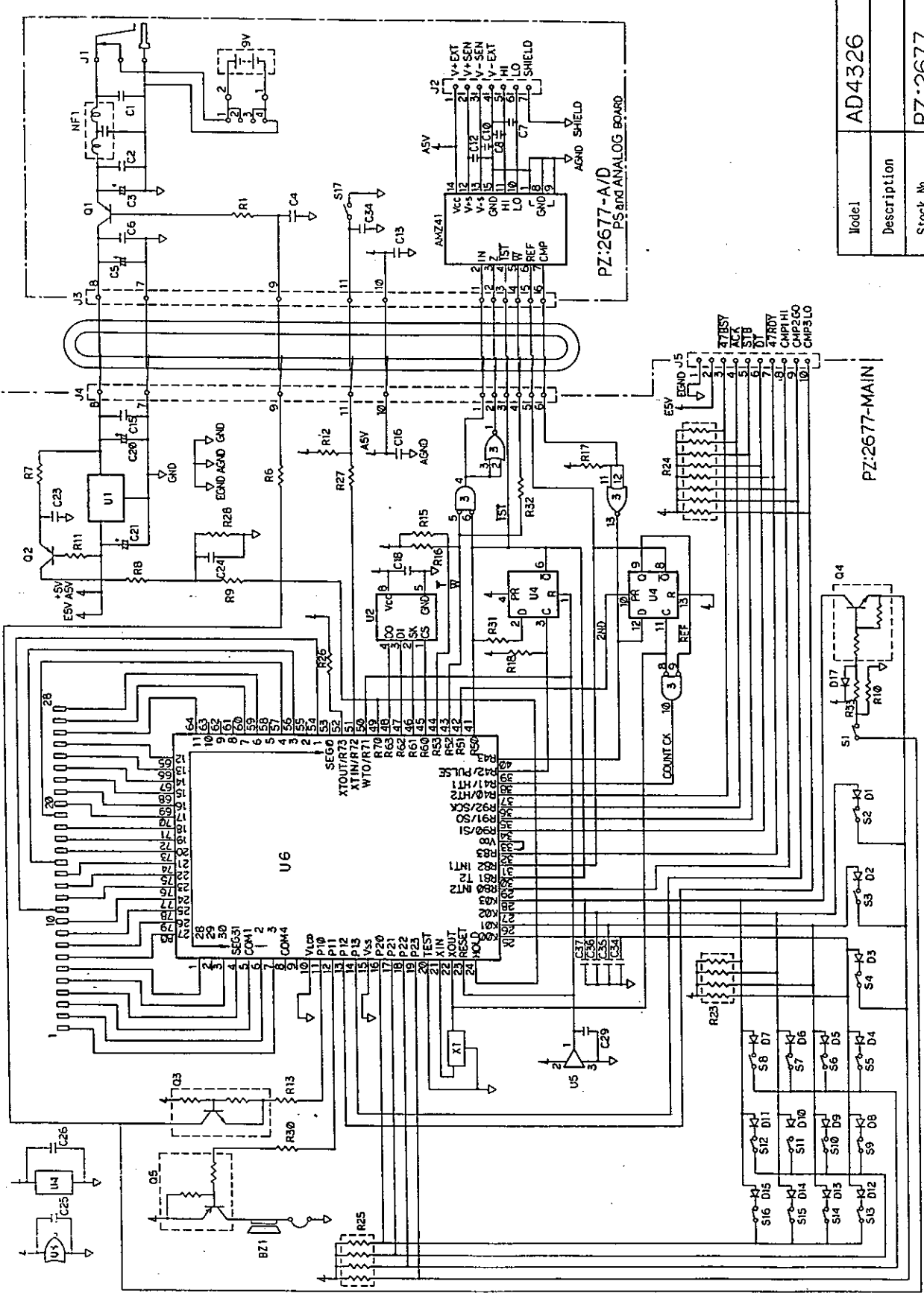
CIRCUIT SYMBOL	PARTS NAME	DESCRIPTION	Q' TY
C1, 3, 5, 8, 9 C10 C4, 6, 7, 11, 12 C2	PC : 2 7 3 2 A CC : 0. 1 U 2 5 V - C CC : 1 0 0 P - C CT : 1 D 1 0 6 - C CT : 1 V 0 1 0 - C	PRINTED CIRCUIT BOARD CAPACITOR 0.1 $\mu$ F 25V CAPACITOR 100pF CAPACITOR 10 $\mu$ F 20V CAPACITOR 1 $\mu$ F 35V	1
PHC2~4 J2 J1 L1 Q3~5	DF : A Q V 2 5 3 JA : T C S 5 3 8 0 JI : 1 0 P - S 2 L 2 - E F NF : M - 5 4 0 C QT : C 2 7 1 2 Y - C	PHOTO MOS RELAY CONNECTOR DIN8P CONNECTOR EMI FILTER TRANSISTOR 2SC2712-Y	
R1~8, 10, 11, 13, 14 R9, 12, 15 R17 U2 U1	RC : 1 / 1 0 W 1 0 3 J RC : 1 / 1 0 W 1 5 2 J RC : 1 / 1 0 W 3 3 2 J UA : M B 3 7 7 3 P S - G UC : D 7 8 C P 1 4 - 4 3 2 6	RESISTOR 10K $\Omega$ 1/10W RESISTOR 1.5K $\Omega$ 1/10W RESISTOR 3.3K $\Omega$ 1/10W VOLTAGE COMPARATOR CPU	
U3 X1	UC : M A X 2 3 2 C W E XT : C 4 C B - 7. 3 7 M 0 7 : B 3 0 6 2 2 - 2	RS232C OSC PANNEL	

# PARTS LIST

7 P Z : 2 7 3 2 A			
CIRCUIT SYMBOL	PARTS NAME	DESCRIPTION	Q' TY
C1, 3, 5, 8, 9 C10 C4, 6, 7, 11, 12 C2	PC : 2 7 3 2 A CC : 0. 1 U 2 5 V - C CC : 1 0 0 P - C CT : 1 D 1 0 6 - C CT : 1 V 0 1 0 - C	PRINTED CIRCUIT BOARD CAPACITOR 0.1 $\mu$ F 25V CAPACITOR 100pF CAPACITOR 10 $\mu$ F 20V CAPACITOR 1 $\mu$ F 35V	1 5 1 5 1
J2 J1 L1 R1~6 R17	JA : TCS 5 3 8 0 JI : 1 0 P - S 2 L 2 - E F NF : M - 5 4 0 C RC : 1 / 1 0 W 1 0 3 J RC : 1 / 1 0 W 3 3 2 J	CONNECTOR DIN8P CONNECTOR EMI FILTER RESISTOR 10K $\Omega$ 1/10W RESISTOR 3.3K $\Omega$ 1/10W	1 1 1 6 1
U2 U1 U3 X1	UA : MB 3 7 7 3 PS - G UC : D 7 8 CP 1 4 - 4 3 2 6 UC : MAX 2 3 2 CWE XT : C 4 CB - 7. 3 7 M 0 7 : B 3 0 6 2 2 - 2	VOLTAGE COMPARATOR CPU RS232C OSC PANNEL	1 1 1 1 1

# PARTS LIST

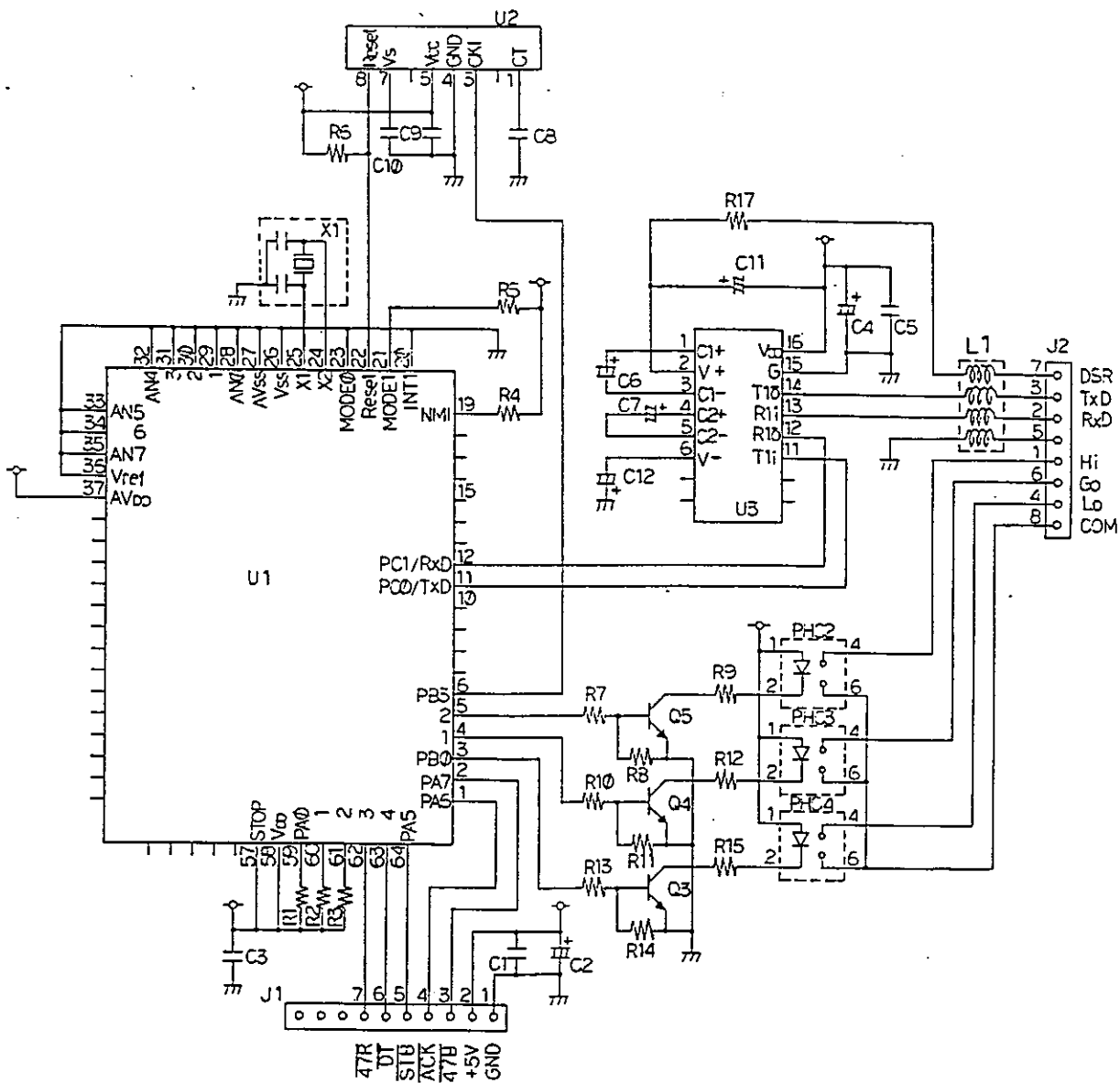
7 P Z : 2 7 3 3			
CIRCUIT SYMBOL	PARTS NAME	DESCRIPTION	Q' TY
C1, 3, 8, 9 C10 C2 PHC1	PC : 2 7 3 3 CC : 0. 1 U 2 5 V - C CC : 1 0 0 P - C CT : 1 V 0 1 0 - C DF : PS 2 5 0 1 - 1 L / K	PRINTED CIRCUIT BOARD CAPACITOR 0.1 $\mu$ F 25V CAPACITOR 100pF CAPACITOR 1 $\mu$ F 35V PHOTO CUPPLER	1 4 1 1 1
D2 D1 J2 J1 L1	DI : 1 SS 1 8 1 - C DI : 1 SS 1 8 4 - C JA : TCS 5 3 8 0 JI : 1 0 P - S 2 L 2 - E F NF : M - 5 4 0 C	DIODE DIODE CONNECTOR DIN8P CONNECTOR EMI FILTER	1 1 1 1 1
Q1, 2 R1~6, 18, 19, 25 R20 R22 U2	QT : C 2 7 1 2 Y - C RC : 1 / 1 0 W 1 0 3 J RC : 1 / 1 0 W 1 5 2 J RC : 1 / 1 0 W 4 7 1 J UA : MB 3 7 7 3 PS - G	TRANSISTOR 2SC2712-Y RESISTOR 10K $\Omega$ 1/10W RESISTOR 1.5K $\Omega$ 1/10W RESISTOR 470 $\Omega$ 1/10W VOLTAGE COMPARATOR	2 9 1 1 1
U1 X1	UC : D 7 8 CP 1 4 - 4 3 2 6 XT : C 4 CB - 7. 3 7 M 0 7 : B 3 0 6 2 2 - 2	CPU OSC PANNEL	1 1 1



Model	AD4326
Description	
Stock No	PZ:2677
Drwg. No	EC3-01716F

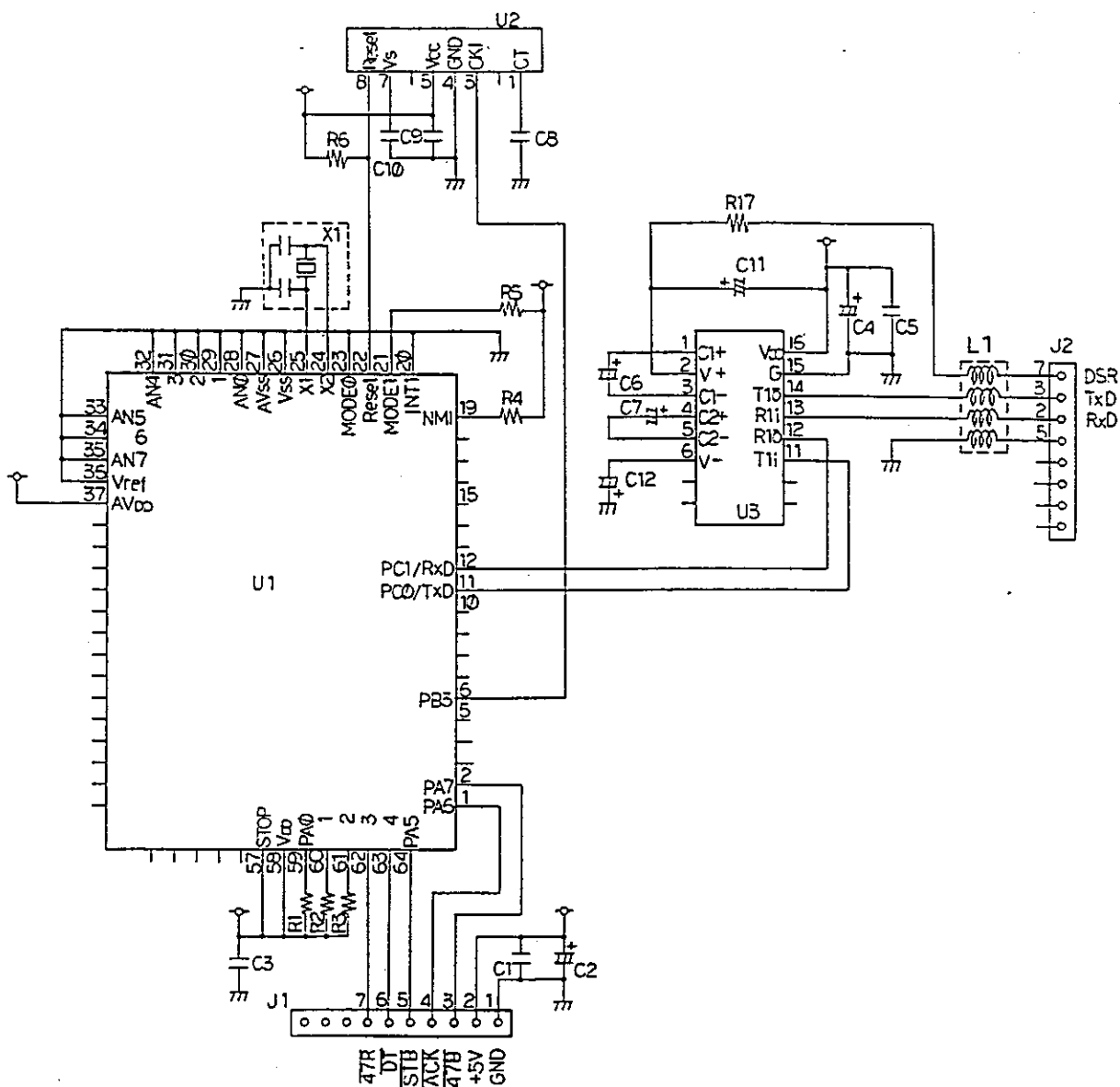
A & D CO., LTD.





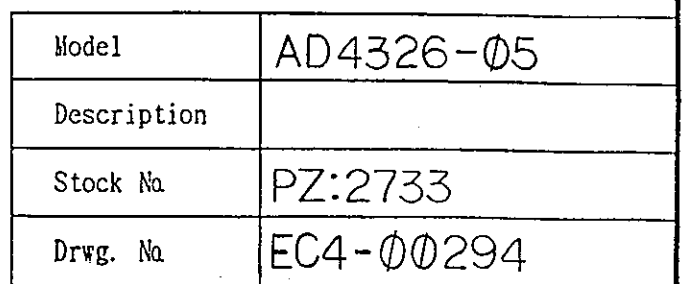
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Description	
Stock No.	PZ:2732
Drwg. No.	EC4-00292

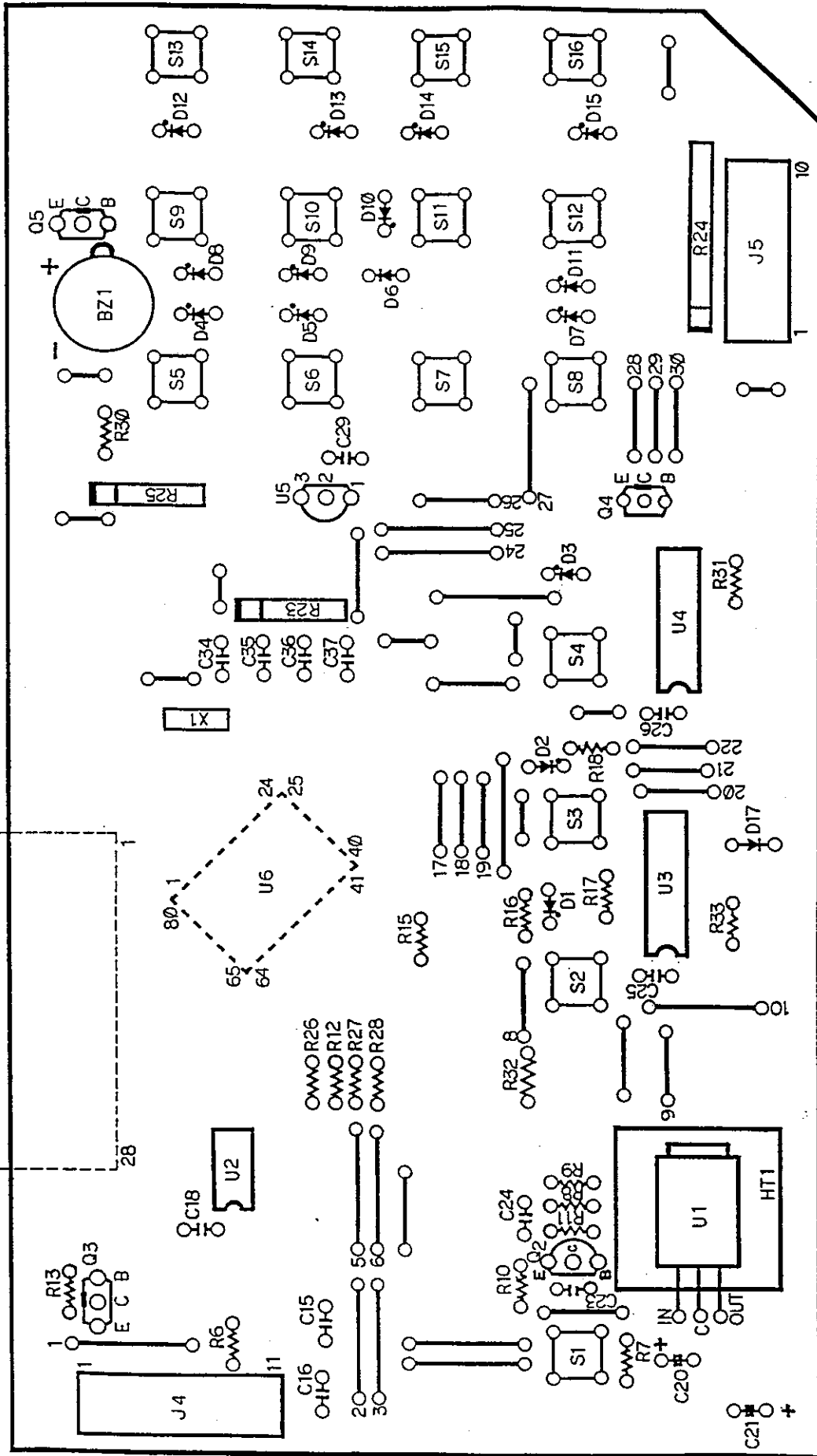
A&D CO., LTD.



Model	AD4326-03
Description	
Stock No.	PZ 2732A
Drwg. No.	EC4-00293

A&D CO., LTD.

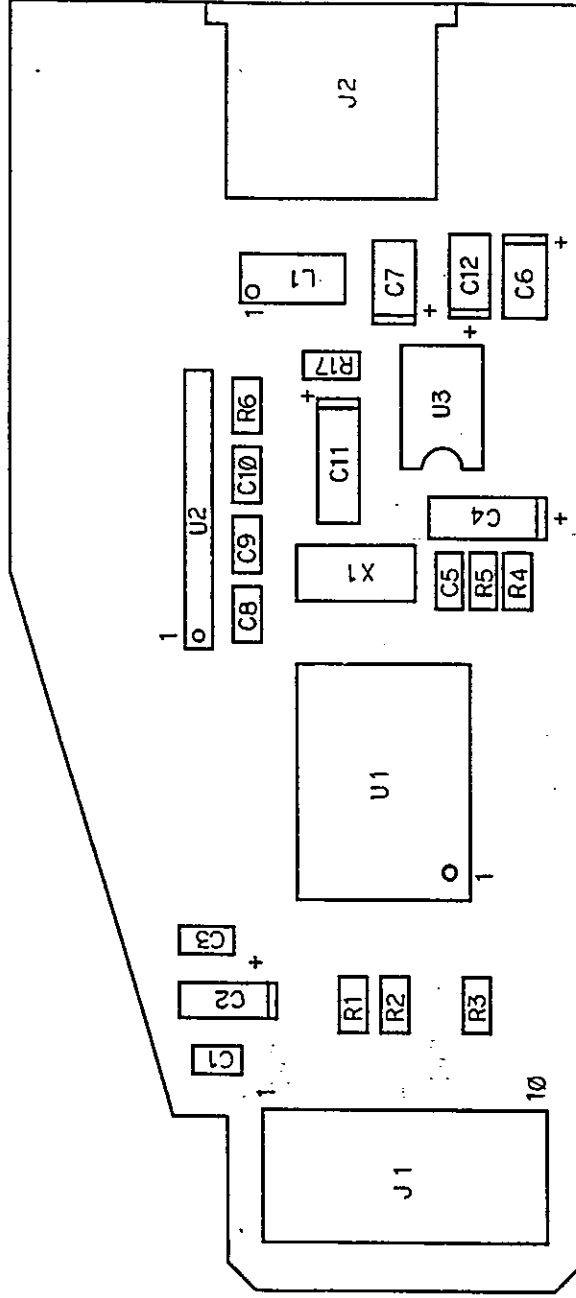




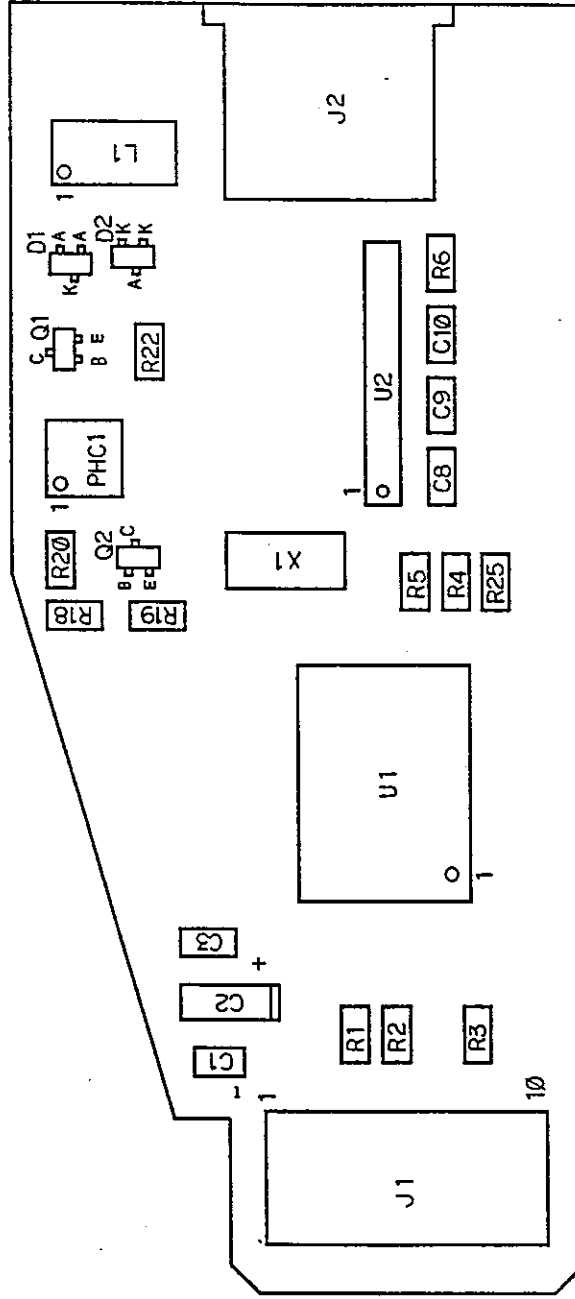
Model	AD4326
Description	
Stock No	PZ:2677 - MAIN
Drwg. No	KZ2-00521J





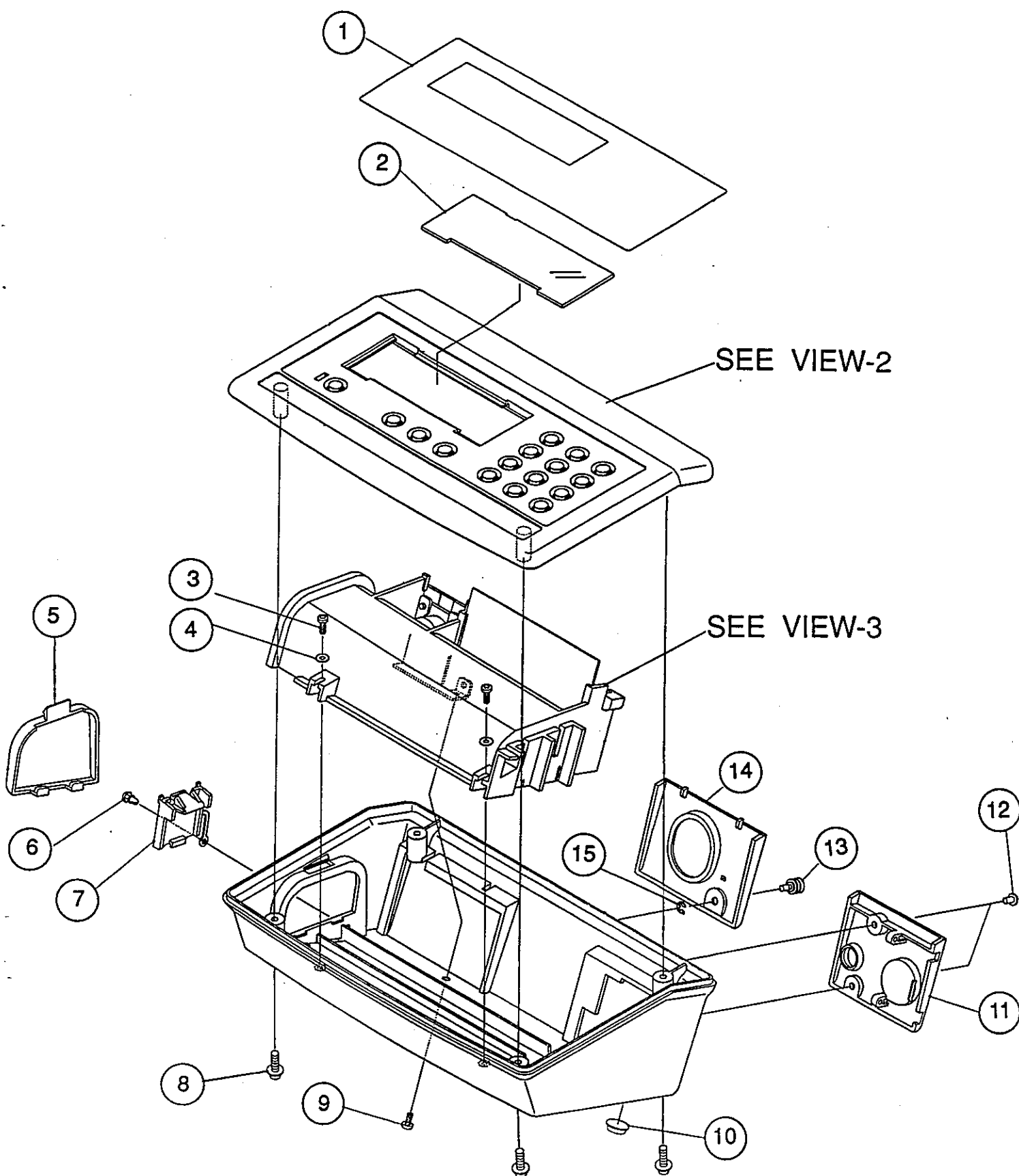


Model	AD4326-03
Description	
Stock No.	PZ:2732A
Drawg. No.	KZ3-01182



Model	AD4326-05
Description	
Stock No.	PZ:2733
Draw. No.	KZ3-01184

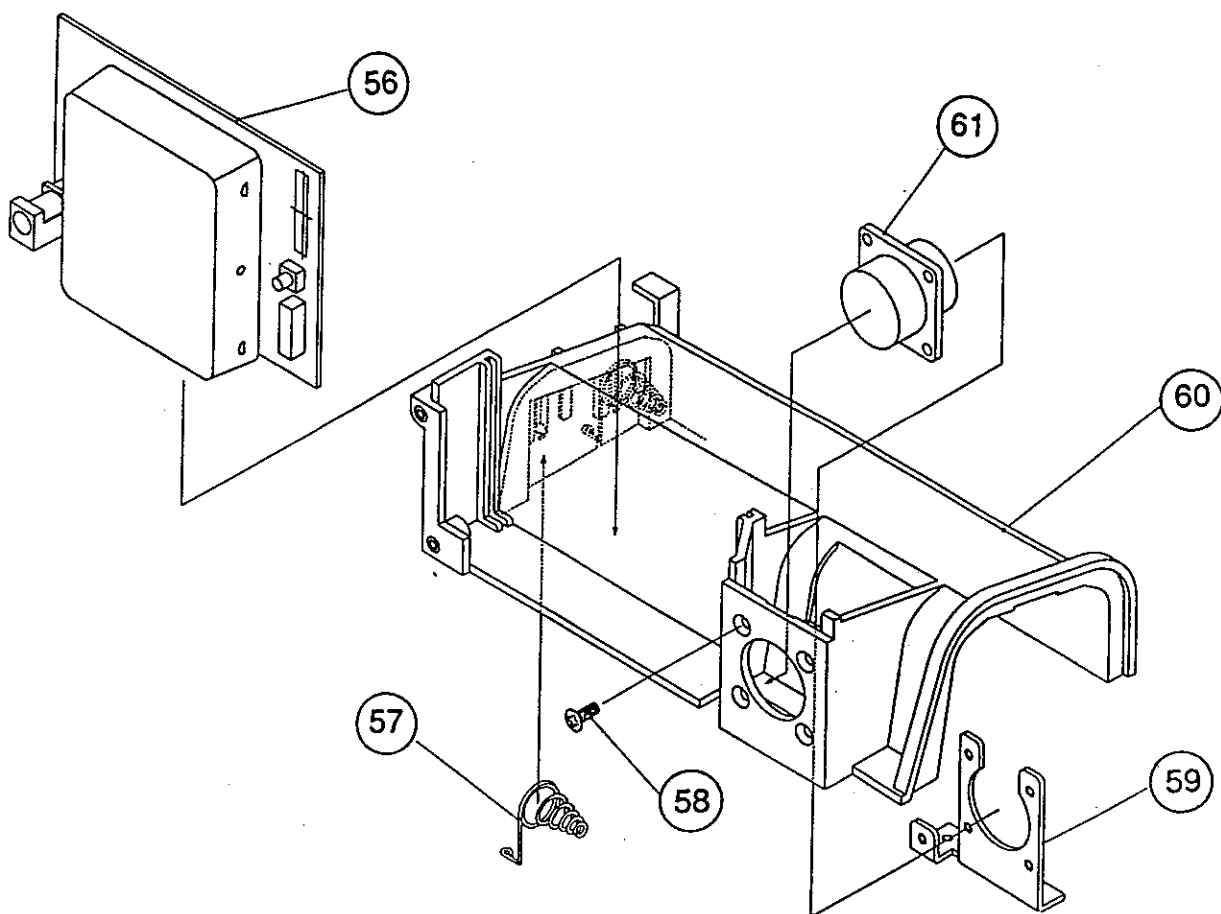
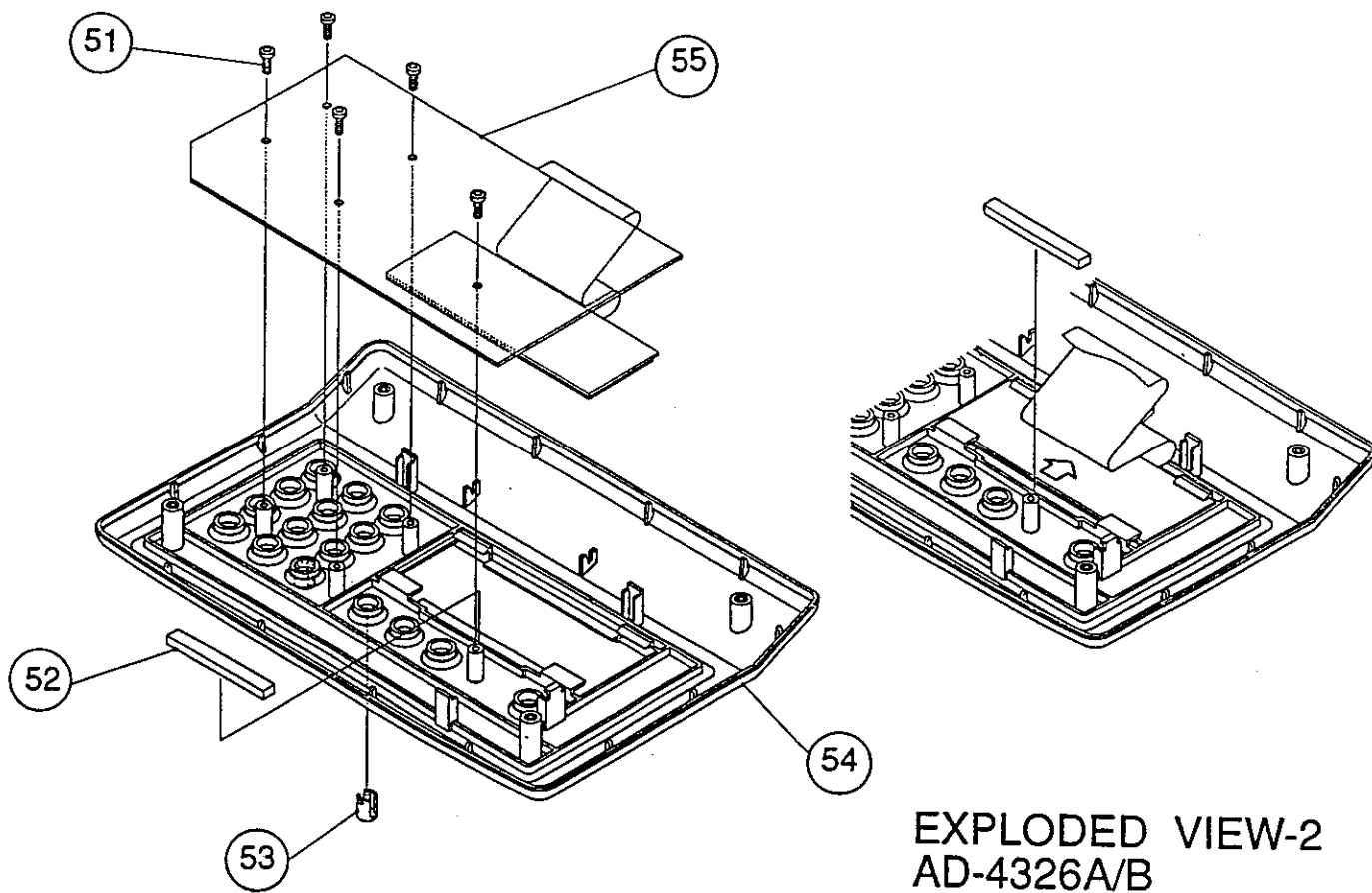




EXPLODED VIEW-1  
AD-4326A/B

# Exploded view 1

1	01:B30627A	KEY SHEET FOR 4326B
1	01:B30625A	KEY SHEET FOR 4326A
2	07:B49741	DISPLAY FILTER
3		P TYTE M3×8
4		WASHER M3
5	07:B31047-1	BATTERY PANEL
6	10:NRP-345	NYLON RIVET
7	07:C42523	BATTERY LOCK
8		PAN HEAD WITH WASHER AND SPRING WASHER M3×8
9		BINDING HEAD M3×6
10	10:SJ-5012	RUBBER FOOT
11	07:B30622-1	BLANK PANEL
12		BINDING HEAD M3×6
13	05:B40236	LOCK SCREW
14	07:B30621-1	BLANK PANEL
15		E RING M2.5



# Exploded view 2 / 3

NO.	PARTS NAME	DESCRIPTION
51		P TYTE M3×8
52	06:40296	LCD STOP
53	07:41320	KEY TOP
54	07:A10220-1	UPPER CASE
55	PZ:2677A	MAIN BOARD
56	PZ:2677	A/D BOARD
57	04:C42583	TERMINAL
58		FLAT HEAD M3×8
59	04:C42568	GROUND PLATE
60	07:A10223-1	FRAME
61	JM:NJC-207-RM	CONNECTOR