

AD-4401

WEIGHING INDICATOR

TECHNICAL INFORMATION

C o n t e n t s

1. Electronic Circuit Parts List

7PZ:3086	Main Board
7PZ:3087	A/D&Power Supply Board
7PZ:3088	Display/Key Board
7PZ:3089	BCD Output Board (OP-01)
7PZ:3090	RS-422/485 Board (OP-03)
7PZ:3091	RS-232C Board (OP-04)
7PZ:3092	Analog Output Board (OP-07)

2. Electronic Circuit Diagram

7PZ:3086	Main Board
7PZ:3087	A/D&Power Supply Board
7PZ:3088	Display/Key Board
7PZ:3089	BCD Output Board (OP-01)
7PZ:3090	RS-422/485 Board (OP-03)
7PZ:3091	RS-232C Board (OP-04)
7PZ:3092	Analog Output Board (OP-07)

3. Board Component Location

7PZ:3086	Main Board
7PZ:3087	A/D&Power Supply Board
7PZ:3088	Display/Key Board
7PZ:3089	BCD Output Board (OP-01)
7PZ:3090	RS-422/485 Board (OP-03)
7PZ:3091	RS-232C Board (OP-04)
7PZ:3092	Analog Output Board (OP-07)

4. Exploded View

AD4401

7PZ:3086 PARTS LIST

Circuit Symbol	Part No.	Part Name	Q' TY
	PC:3086A	PRINTED WIRING BOARD	1
C1	CK:SME10VB47	ALUMINUM ELECTROLYTIC CAPACITOR	1
C2	CC:0.1U25V-C	CERAMIC CAPACITOR	1
C3	CK:SME10VB47	ALUMINUM ELECTROLYTIC CAPACITOR	1
C4~6	CC:0.1U25V-C	CERAMIC CAPACITOR	3
C7, 8	CC:15P-C	CERAMIC CAPACITOR	2
C9~11	CC:0.1U25V-C	CERAMIC CAPACITOR	3
C12	CT:1C010-C	TANTALUM CAPASITOR 16V 1uF	1
C13, 14	CC:0.1U25V-C	CERAMIC CAPACITOR	2
C15	CK:SME25VB22	ALUMINUM ELECTROLYTIC CAPACITOR	1
C16	CK:SME10VB47	ALUMINUM ELECTROLYTIC CAPACITOR	1
C17, 18	CC:0.1U25V-C	CERAMIC CAPACITOR	2
C19	CC:0.0033U1KV	CERAMIC CAPACITOR	1
C20~54	CC:0.01U-C	CERAMIC CAPACITOR	35
C55	CC:0.0033U1KV	CERAMIC CAPACITOR	1
C56, 57	CK:SME10VB47	ALUMINUM ELECTROLYTIC CAPACITOR	2
C58	CC:0.1U25V-C	CERAMIC CAPACITOR	1
C59, 60	CC:100P-C	CERAMIC CAPACITOR	2
C61	CC:0.01U-C	CERAMIC CAPACITOR	1
C62	CC:0.0033U1KV	CERAMIC CAPACITOR	1
C63	CC:0.01U-C	CERAMIC CAPACITOR	1
D1	DI:1SS321-C	DIODE	1
D2, 3	DI:1SS184-C	DIODE ARRAY	2
D4	DI:1SS181-C	DIODE ARRAY	1
D5~7	DI:1SS184-C	DIODE ARRAY	3
D8~11	DI:1SS181-C	DIODE ARRAY	4
DF1~23	DF:TLP181BL	PHOTO ISOLATOR	23
EB1	EB:CR2032-HE2	LITHIUM BATTERY	1
J1	JI:52330-1017	CONNECTOR	1
J2	JI:10P-S2T2-EF	PIN HEADER	1
J3	JI:07P-S2T2-EF	PIN HEADER	1
J4	JT:1-171825-2	V POST HEADER	1
J5	JI:09P-S2T2-EF	PIN HEADER	1
J6	JA:4470-01-1111	DIN CONNECTOR	1
J7	JI:365P016-AG	FCN CONNECTOR	1
J8	JI:365P024-AG	FCN CONNECTOR	1
Q1, 2	QT:C2712BL-C	TRANSISTOR	2
R1	RN:EXBV8V103JV	NETWORK RESISTOR 10k	1
R2, 3	RC:1/10W103J	CHIP RESISTOR	2
R4~7	RN:EXBV8V103JV	NETWORK RESISTOR 10k	4
R8, 9	RC:1/10W512J	CHIP RESISTOR	2
R10	RC:1/10W103J	CHIP RESISTOR	1

7PZ:3086 PARTS LIST

Circuit Symbol	Part No.	Part Name	Q' TY
R11	RC:1/10W102J	CHIP RESISTOR	1
R12, 13	RN:EXBV8V222JV	NETWORK RESISTOR 2.2k	2
R14, 15	RN:EXBV8V332JV	NETWORK RESISTOR 3.3k	2
R16	RN:EXBV8V222JV	NETWORK RESISTOR 2.2k	1
R17	RN:EXBV8V332JV	NETWORK RESISTOR 3.3k	1
R18~25	RC:1/10W103J	CHIP RESISTOR	8
R26	RN:EXBV8V332JV	NETWORK RESISTOR 3.3k	1
R27	RN:EXBV8V222JV	NETWORK RESISTOR 2.2k	1
R28~33	RC:1/10W103J	CHIP RESISTOR	6
R34	RC:1/10W221J	CHIP RESISTOR	1
R35~40	RC:1/10W332J	CHIP RESISTOR	6
R41, 42	RC:NAT1M	CARBON RESISTOR 1/4W 1M	2
R43	RC:1/10W103J	CHIP RESISTOR	1
R44	RC:NAT1M	CARBON RESISTOR 1/4W 1M	1
U1	UC:5564AFL-15	64K SRAM	1
U3	UC:HC00F	2-INPUT NAND GATE	1
U4	UC:HC32F	2-INPUT OR GATE	1
U5	UC:HC00F	2-INPUT NAND GATE	1
U6	JS:10328-01-445	IC SOCKET 28P	1
U7	UC:D71055G	PPI	1
U8	UC:MB3773PF	RESET IC	1
U9	UC:HC02F	2-INPUT NOR GATE	1
U10	UA:TD62591AP	TRANSISTOR ARRAY	1
U11, 12	UC:HC238F	DECODER	2
U13, 14	UA:TD62583F	TRANSISTOR ARRAY	2
X1	XT:CP12A-16MHZ	X' TAL	1
	JI:360A2	RIGHT ANGLE	2

7PZ:3087 PARTS LIST

Circuit Symbol	Part No.	Part Name	Q' TY
	PC:3087B	PRINTED WIRING BOARD	1
C1~3	CC:0.0033U1KV	CERAMIC CAPACITOR	3
C4, 5	CM:E2A154KF	FILM CAPACITOR 250WV 0.15uF	2
C6	CK:ECOS2GA151DB	ALUMINUM ELECTROLYTIC CAPACITOR	1
C7	CM:E6473KF	FILM CAPACITOR 630WV 0.047uF	1
C8~11	CM:HU1H103J-C	FILM CAPACITOR 50V 0.01uF	4
C12, 13	CK:SME35VB100	ALUMINUM ELECTROLYTIC CAPACITOR	2
C14	CK:SME25VB330	ALUMINUM ELECTROLYTIC CAPACITOR	1
C15	CK:SME63VB100	ALUMINUM ELECTROLYTIC CAPACITOR	1
C16	CK:SME16VB4700	ALUMINUM ELECTROLYTIC CAPACITOR	1
C17	CK:SME16VB6800	ALUMINUM ELECTROLYTIC CAPACITOR	1
C18, 19	CK:SME10VB47	ALUMINUM ELECTROLYTIC CAPACITOR	2
C20	CK:SME16VB10	ALUMINUM ELECTROLYTIC CAPACITOR	1
C21, 22	CK:SME10VB47	ALUMINUM ELECTROLYTIC CAPACITOR	2
C23, 24	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	2
C25~36	CC:0.1U25V-C	CERAMIC CAPACITOR	12
C38	CC:0.1U25V-C	CERAMIC CAPACITOR	1
C41~47	CC:100P-C	CERAMIC CAPACITOR	7
C49	CC:100P-C	CERAMIC CAPACITOR	1
C78, 79	CC:0.1U25V-C	CERAMIC CAPACITOR	2
C80	CM:HU1C104J-C	FILM CAPACITOR 16V 0.1uF	1
C86~91	CC:0.022U-C	CERAMIC CAPACITOR	6
C92~95	CC:0.0033U1KV	CERAMIC CAPACITOR	4
C96	CC:0.001U	CERAMIC CAPACITOR 50V 0.001uF	1
D1	DI:TFR1L	DIODE	1
D2	DZ:RD6.2PB-C	ZENER DIODE	1
D3~7	DI:AL01Z	DIODE	5
D8, 9	DI:RK14	SCHOTTKY BARRIER DIODE	2
D10	DI:AL01Z	DIODE	1
D11	DI:F14A	RECTIFIER DIODE	1
D12, 13	DI:1S1588	DIODE	2
D14	DZ:RD5.6MB-C	ZENER DIODE	1
DB1	DI:RBV-406M	BRIDGE DIODE	1
DF1	DF:TLP181BL	PHOTO ISOLATOR	1
FH1, 2	FH:85PN0819	FUSE HOLDER	2
FUSE	FS:EAK-1A	TIME-LAG FUSE	1
J2	JT:1-171825-2	V POST HEADER	1
J3	J1:09P-S2T2-EF	PIN HEADER	1
J4	J1:3P-S2T2-EF	PIN HEADER	1
JT1, 2	JT:61134-1	FASHTON TAB	2
NF1	NF:ELF-18D290S	NOISE FILTER	1
NF2~9	NF:EXCEMT102BC	NOISE FILTER	8

7PZ:3087 PARTS LIST

Circuit Symbol	Part No.	Part Name	Q' TY
NF10	NF:M-620T	EMC FILTER	1
R1	RE:MS3W-2. 2R	RESISTOR	1
R2	RC:HES247KJ	CARBON RESISTOR 2W 47k	1
R3	RC:1/21M	CARBON RESISTOR 1/2W 1M	1
R4	RC:1/243R	CARBON RESISTOR 1/2W 43ohm	1
R5	RE:FWR1/2B680R	FUSING RESISTOR	1
R6	RC:1/243R	CARBON RESISTOR 1/2W 43ohm	1
R7, 8	RC:1/10W1001F	CHIP RESISTOR	2
R9	RC:1/282R	CARBON RESISTOR 1/2W 82ohm	1
R10	RC:1/10W2211F	CHIP RESISTOR	1
R11, 12	RC:1/282R	CARBON RESISTOR 1/2W 82ohm	2
R13	RC:1/10W243J	CHIP RESISTOR	1
R15	RC:1/10W103J	CHIP RESISTOR	1
R34	RC:NAT1M	CARBON RESISTOR 1/4W 1M	1
TF1	TF:443	TRANSFORMER	1
TM1	TM:ML-0040A143	TERMINAL	1
TP1	TM:LC-2-G-0	TEST PIN	1
U1	UR:MA1040P-4105	SWITCHING REGULATOR IC	1
U2	UR:TL431CPS	REGULATOR	1
U3~5	UR:7805AHF	VOLTAGE REGULATOR +5V 1A	3
U6	UR:79M05HF	VOLTAGE REGULATOR -5V 500mA	1
U8	UC:S-2914AIF10	EEPROM	1
	KO:280A-06BL	CABLE	1
	KO:280A-08BR	CABLE	1
	HT:MA-CLIP-4150	CLIP	1
	QA:AC256-1674	COOL SHEET	5
	04:4004208	FIXING PLATE(L)	1
	04:4004209	FIXING PLATE(R)	1
	04:4004210	HEAT SINK	1
	05:B43835	TERMINAL BLOCK FIXING BOLT	2
	07:4004224	INSULATION SHEET	1

7PZ:3088 PARTS LIST

Circuit Symbol	Part No.	Part Name	Q' TY
	PC:3088A	PRINTED WIRING BOARD	1
C1,2	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V0.1uF	2
D1~8	DI:1S1588	DIODE	8
ED1	ED:FIP8G13	FLUORESCENT INDICATOR TUBE	1
J1	JI:53341-1017	CONNECTOR	1
K1	SK:SKHHAK	TACT SWITCH	1
K2~8	SK:EVQ-QS307K	TACT SWITCH	7
R1	RC:NAT56K	CARBON RESISTOR 1/4W 56k	1
R2~5	RC:NAT10K	CARBON RESISTOR 1/4W 10k	4
U1	UC:D16311	VFD CONTROLLER/DRIVER	1
	06:B40234	VFD PILLOW	2
	07:4004204	BOARD GUIDE	1

7PZ:3089 PARTS LIST

Circuit Symbol	Part No.	Part Name	Q' TY
	PC:3089A	PRINTED WIRING BOARD	1
C1, 2	CK:SRA10VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	2
C3~7	CC:0.1U25V-C	CERAMIC CAPACITOR	5
C8	CT:1D1R5-C	TANTALUM CAPASITOR 20V 1.5uF	1
C9~18	CC:68P-C	CERAMIC CAPACITOR	10
C19~23	CC:0.1U25V-C	CERAMIC CAPACITOR	5
C24~59	CC:0.01U-C	CERAMIC CAPACITOR	36
C60, 61	CC:0.0033U1KV	CERAMIC CAPACITOR	2
C62	CC:0.01U-C	CERAMIC CAPACITOR	1
C63	CK:SRA10VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	1
DA1	DI:1SS184-C	DIODE ARRAY	1
DF1	DF:TLP181BL	PHOTO ISOLATOR	1
DF2~4	DF:TLP113	PHOTO ISOLATOR	3
J1	JI:10P-S2T2-EF	PIN HEADER	1
J2	JI:365P040-AG	FCN CONNECTOR	1
R1~3	RC:1/10W103J	CHIP RESISTOR	3
R4~7	RC:1/10W681J	CHIP RESISTOR	4
R8	RC:1/10W103J	CHIP RESISTOR	1
R9	RC:1/10W821J	CHIP RESISTOR	1
R10~12	RC:1/10W102J	CHIP RESISTOR	3
R13	RC:1/10W103J	CHIP RESISTOR	1
R20, 21	RC:1/10W101J	CHIP RESISTOR	2
U1, 2	UC:HC14F	SCHMITT TRIGGER INVERTER	2
U3~7	UC:HC595F	SHIFT REGISTER	5
U8~12	UA:TD62583F	TRANSISTOR ARRAY	5
	KO:1130-10W010	CABLE	1
	JI:360A2	RIGHT ANGLE	2
	01:4004219	OPTION PANEL	1

7PZ:3090 PARTS LIST

Circuit Symbol	Part No.	Part Name	Q' TY
	PC:3090B	PRINTED WIRING BOARD	1
C1, 2	CK:SRA10VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	2
C3~6	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	4
C7	CK:SRA10VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	1
C8~11	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	4
C12, 13	CC:0.0033U1KV	CERAMIC CAPACITOR	2
DF1, 2	DF:TLP552	PHOTO ISOLATOR	2
DF3	DF:TLP521-1	PHOTO ISOLATOR	1
DF4	DF:TLP552	PHOTO ISOLATOR	1
J1	JI:10P-S2T2-EF	PIN HEADER	1
NF1	NF:D-42C	NOISE FILTER	1
NF2~7	NF:EXCEMT102BC	NOISE FILTER	6
R1~3	RC:NAT680R	CARBON RESISTOR 1/4W 680ohm	3
R4~7	RC:NAT1K	CARBON RESISTOR 1/4W 1k	4
R8	RC:NAT680R	CARBON RESISTOR 1/4W 680ohm	1
R9	RC:1/2100R	CARBON RESISTOR 1/2W 100ohm	1
R11	RC:NAT47K	CARBON RESISTOR 1/4W 47k	1
R12, 13	RC:NAT4.7K	CARBON RESISTOR 1/4W 4.7k	2
R14	RC:NAT47K	CARBON RESISTOR 1/4W 47k	1
TM1	TM:40S1AXS6P	TERMINAL	1
U1	UC:HC14	SCHMITT TRIGGER INVERTOR	1
U2, 3	UC:LTC485	BUS TRANCEIVER	2
U4	UC:HC14	SCHMITT TRIGGER INVERTOR	1
U5	UC:HC08	2-INPUT AND GATE	1
	01:4004220	OPTION PANEL	1
	04:4004208	FIXING PLATE(L)	1
	04:4004209	FIXING PLATE(R)	1
	04:4004221	COVER	1
	05:B43835	SPACER BOLT	2

7PZ:3091 PARTS LIST

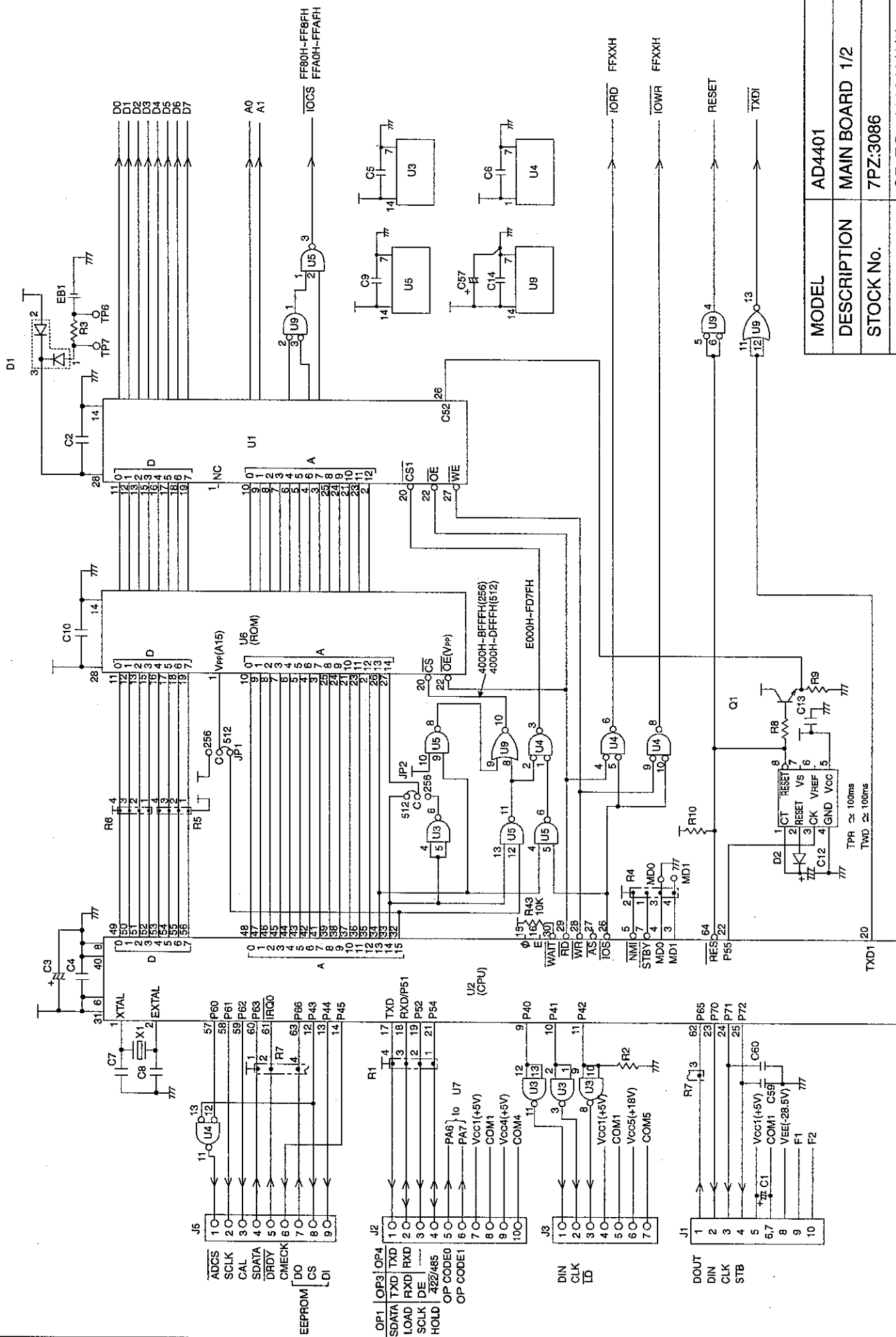
Circuit Symbol	Part No.	Part Name	Q' TY
	PC:3091A	PRINTED WIRING BOARD	1
C1, 2	CK:SRA10VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	2
C3~9	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	7
C10~13	CK:SRA16VB-10	ALUMINUM ELECTROLYTIC CAPACITOR	4
C14, 15	CC:0.0033U1KV	CERAMIC CAPACITOR	2
DF1, 2	DF:TLP552	PHOTO ISOLATOR	2
J1	JI:10P-S2T2-EF	PIN HEADER	1
J2	JA:17LE-13250	D-SUB CONNECTOR	1
NF1	NF:D-42C	NOISE FILTER	1
NF2~6	NF:EXCEMT102BC	NOISE FILTER	5
R1	RC:NAT680R	CARBON RESISTOR 1/4W 680ohm	1
R2, 3	RC:NAT1K	CARBON RESISTOR 1/4W 1k	2
R4	RC:NAT680R	CARBON RESISTOR 1/4W 680ohm	1
U1, 2	UC:HC14	SCHMITT TRIGGER INVERTER	2
U3	UC:MAX232CPE	RS232C DRIVER/RECEIVER	1
	JI:360A2	RIGHT ANGLE	2
	01:4004222	OPTION PANEL	1

7PZ:3092 PARTS LIST

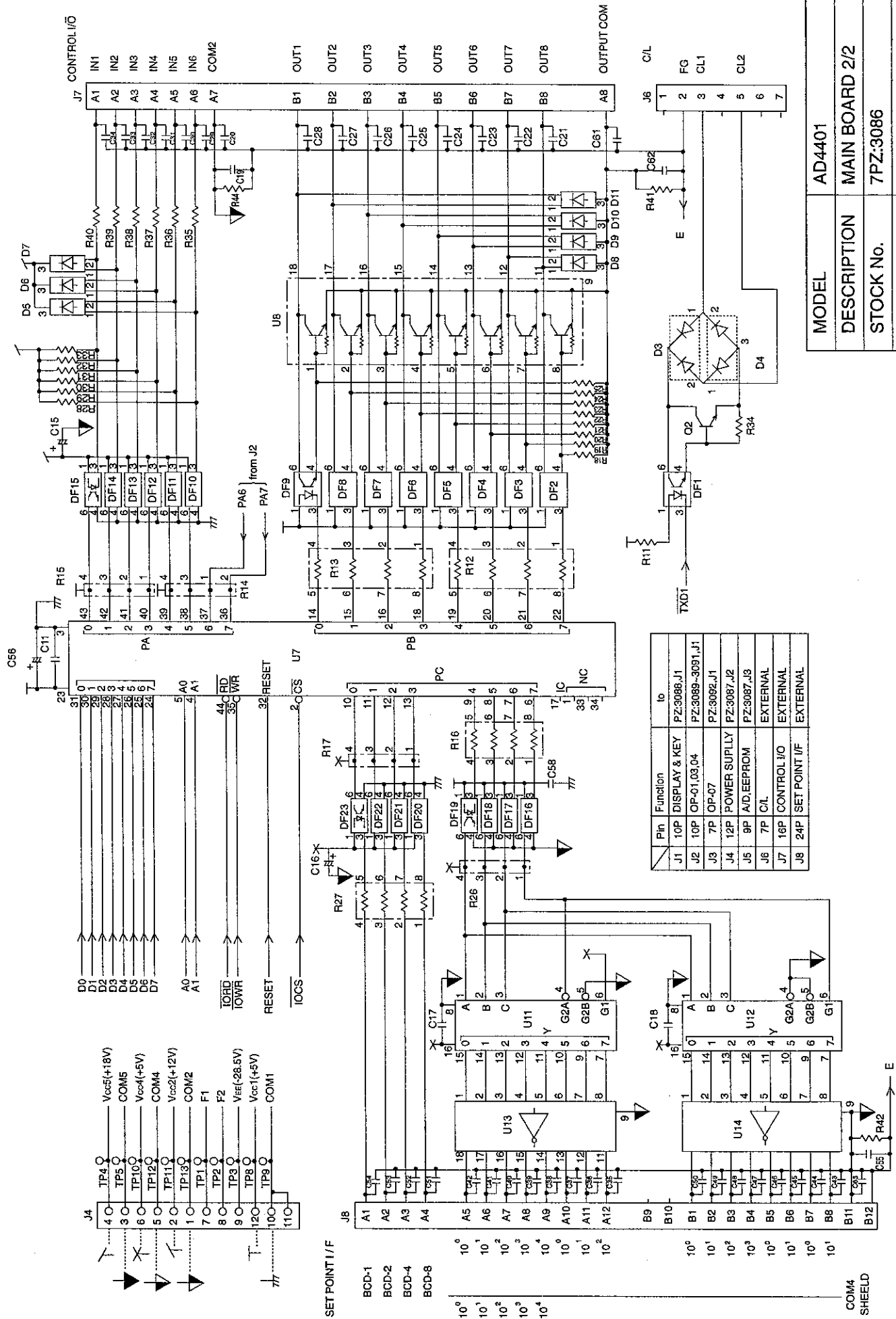
Circuit Symbol	Part No.	Part Name	Q'TY
	PC:3092A	PRINTED WIRING BOARD	1
C1~3	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	3
C4	CK:SRA25VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	1
C5~7	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	3
C8	CK:SRA10VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	1
C9	CK:SRA25VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	1
C10	CT:1D2R2	TANTALUM CAPASITOR 20V 2.2uF	1
C11	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	1
C12	CC:10P	CERAMIC CAPACITOR 50V 10pF	1
C13	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	1
C14	CK:SRA10VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	1
C15	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	1
C16	CK:SRA16VB100	ALUMINUM ELECTROLYTIC CAPACITOR	1
C17	CK:SRA10VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	1
C18~20	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	3
C21	CT:1D2R2	TANTALUM CAPASITOR 20V 2.2uF	1
C22	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	1
C23	CM:E1104KF	FILM CAPACITOR 100V 0.1uF	1
C24	CC:0.0033U1KV	CERAMIC CAPACITOR	1
C25	CK:SRA25VB-47	ALUMINUM ELECTROLYTIC CAPACITOR	1
C26	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	1
C27~31	CC:0.0033U1KV	CERAMIC CAPACITOR	5
C32	CC:0.001U	CERAMIC CAPACITOR 50V 0.001uF	1
C33, 34	CC:FK16Y5V1H104	CERAMIC CAPACITOR 50V 0.1uF	2
D1~6	DI:1S1588	DIODE	6
DF1~3	DF:TLP552	PHOTO ISOLATOR	3
J1	JI:07P-S2T2-EF	PIN HEADER	1
J2	JI:3P-S2T2-EF	PIN HEADER	1
NF1	NF:ZJK51R5-05	NOISE FILTER	1
NF2, 3	NF:ZBF253S-01	FERRITE BEAD	2
NF4	NF:ZJK51R5-2P	NOISE FILTER	1
Q1	QF:K30ATM-GR	FET	1
Q2	QT:C1815Y	NPN TRANSISTOR	1
R1, 2, 3	RC:NAT680R	CARBON RESISTOR 1/4W 680ohm	3
R4, 5	RC:NAT1K	CARBON RESISTOR 1/4W 1k	2
R6	RC:NAT12K	CARBON RESISTOR 1/4W 12k	1
R7	RC:NAT1K	CARBON RESISTOR 1/4W 1k	1
R8	RC:NAT12K	CARBON RESISTOR 1/4W 12k	1
R9, 10	RF:RR195	NETWORK RESISTOR	2
R11	RF:18KRF	METAL FILM RESISTOR 1/8W 25ppm	1
R12, 13	RC:NAT12K	CARBON RESISTOR 1/4W 12k	2
R14	RF:RR195	NETWORK RESISTOR	1

7PZ:3092 PARTS LIST

Circuit Symbol	Part No.	Part Name	Q'TY
R15	RF:4.7KRF	METAL FILM RESISTOR 1/8W 25ppm	1
R16	RC:NAT12K	CARBON RESISTOR 1/4W 12k	1
R17	RF:14.6KRF	METAL FILM RESISTOR 1/8W 25ppm	1
R18	RC:NAT1M	CARBON RESISTOR 1/4W 1M	1
R19	RC:NAT470R	CARBON RESISTOR 1/4W 470ohm	1
R20	RF:23.4KRF	METAL FILM RESISTOR 1/8W 25ppm	1
R21	RC:NAT12K	CARBON RESISTOR 1/4W 12k	1
R22	RF:490RRF	METAL FILM RESISTOR 1/8W 25ppm	1
R23	RF:1/2100RRD	METAL FILM RESISTOR 1/2W 25ppm	1
R24	RF:3.3KRF	METAL FILM RESISTOR 1/8W 25ppm	1
TP1~6	TM:LC-2-G-0	TEST PIN	6
U1	UR:24M15HF	VOLTAGE REGULATOR 15V500mA	1
U2	UR:7805AHF	VOLTAGE REGULATOR 5V 1A	1
U3	UF:DAC-8512EP	12BIT D/A CONVERTER	1
U4	UN:ICL7660CPA	VOLTAGE CONVERTER	1
U5, 6	UA:4558C	OPERATIONAL AMPLIFIER	2
U7	UR:LT1009CZ	REF VOLTAGE GENERATOR	1
VR1, 2	RV:CT9X1K	POTENTIOMETER	2
	KO:1130-03W005	CABLE	1
	KO:1130-07W010	CABLE	1
	QA:AC256-1674	COOL SHEET	2
	05:4004223	SPACER	2
	10:NO-5837	RUBBER FOOT	1

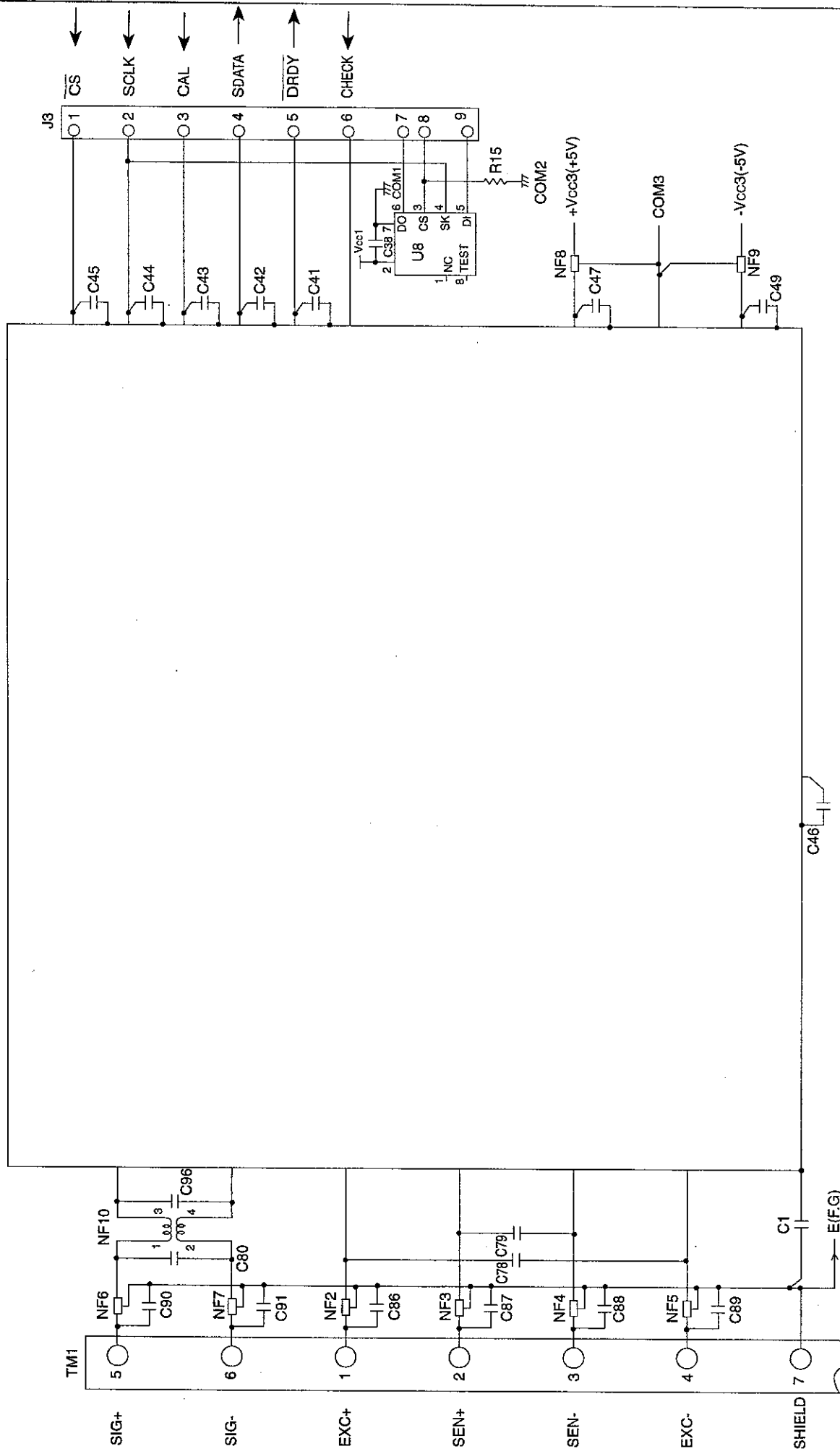


MODEL	AD4401
DESCRIPTION	MAIN BOARD 1/2
STOCK No.	7PZ:3086
DRWG.No	QD-EC3-000218(1/2)

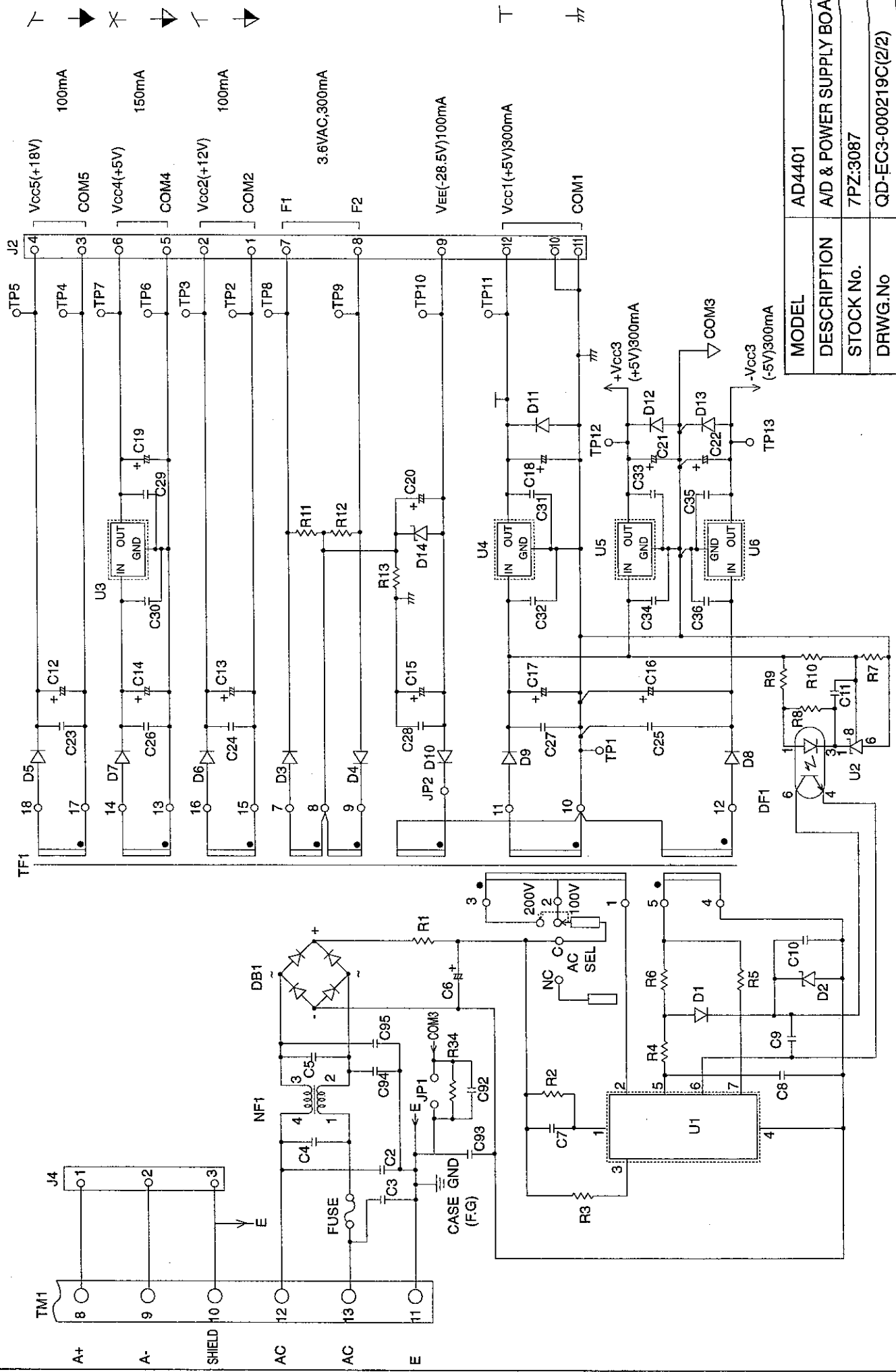


Pin	Function	to
J1	10P DISPLAY & KEY	PZ:3088,J1
J2	10P OP-01.03.04	PZ:3089-3091,J1
J3	7P OP-07	PZ:3092,J1
J4	12P POWER SUPPLY	PZ:3087,J2
J5	9P A/D,EEPROM	PZ:3087,J3
J6	7P C/L	EXTERNAL
J7	16P CONTROL I/O	EXTERNAL
J8	24P SET POINT I/F	EXTERNAL

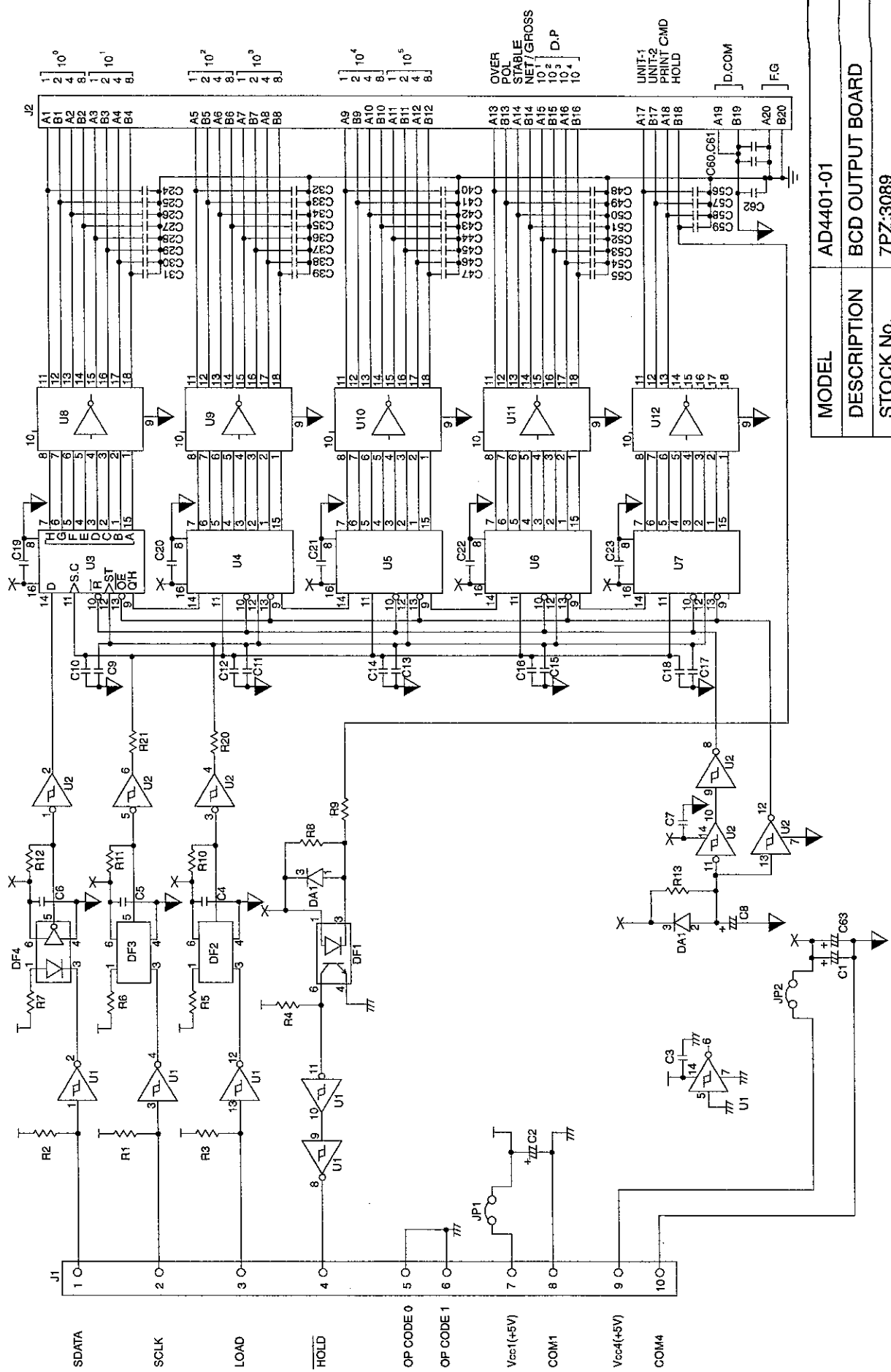
MODEL	AD4401
DESCRIPTION	MAIN BOARD 2/2
STOCK No.	7PZ:3086
DRWG.No	QD-EC3-000218(2/2)



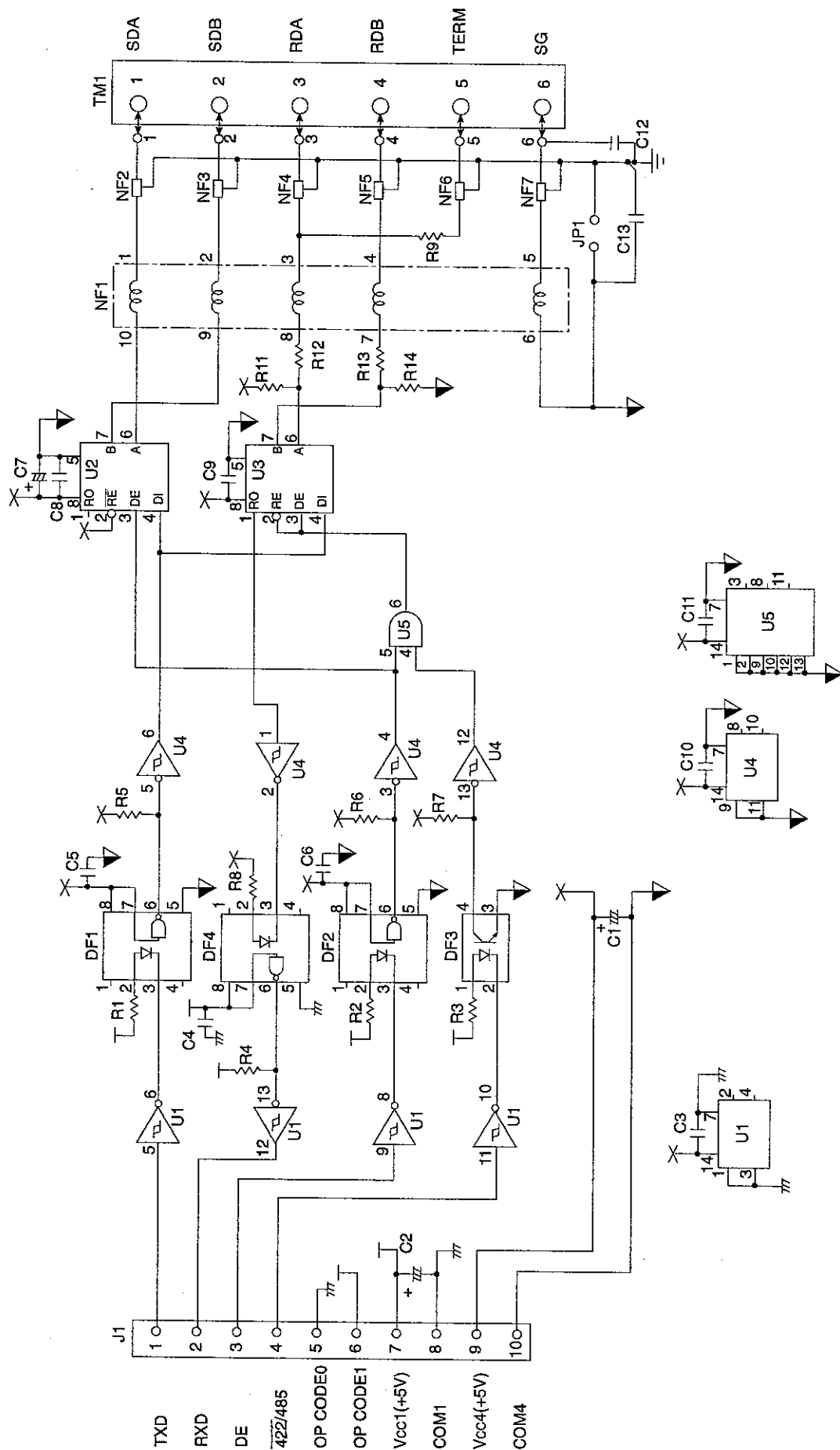
MODEL	AD4401
DESCRIPTION	A/D & POWER SUPPLY BOARD
STOCK No.	7PZ:3087
DRWG.No	QD-EC3-000219C(1/2)



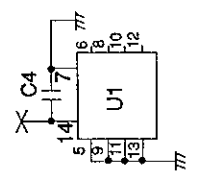
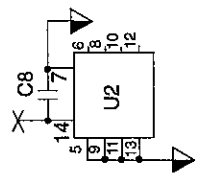
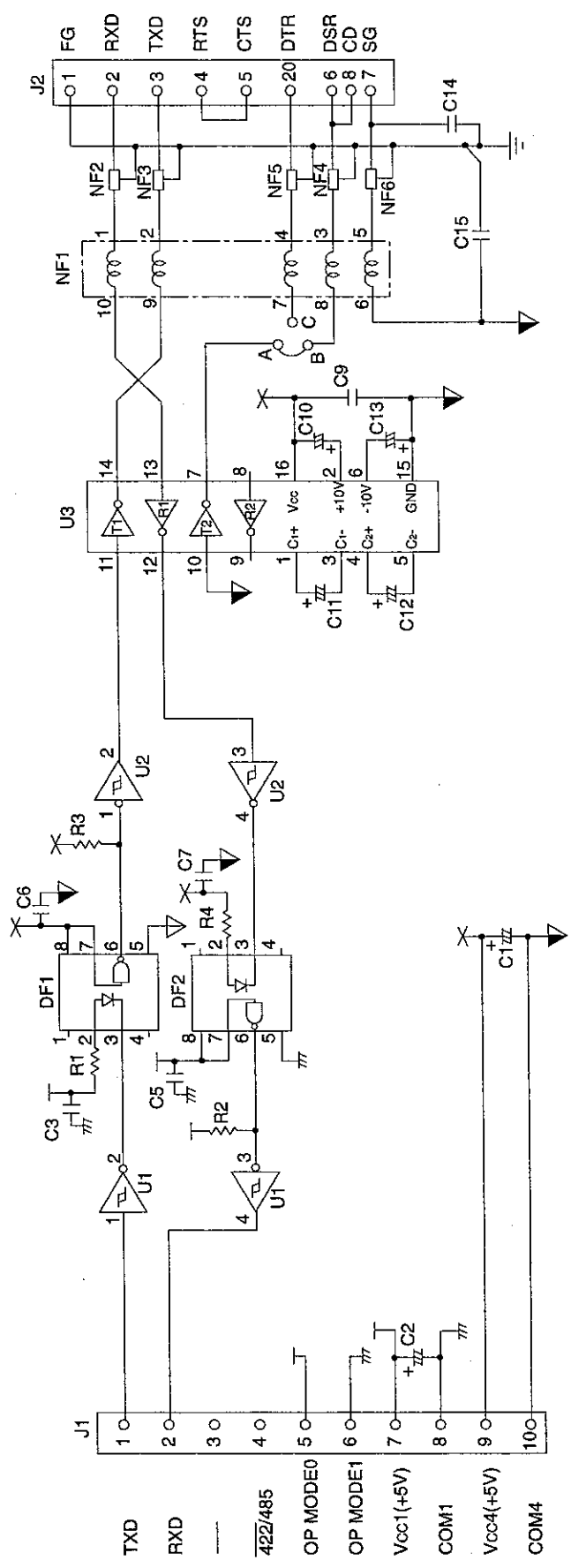
MODEL	AD4401
DESCRIPTION	A/D & POWER SUPPLY BOARD
STOCK No.	7PZ:3087
DRWG.No	QD-EC3-000219C(2/2)



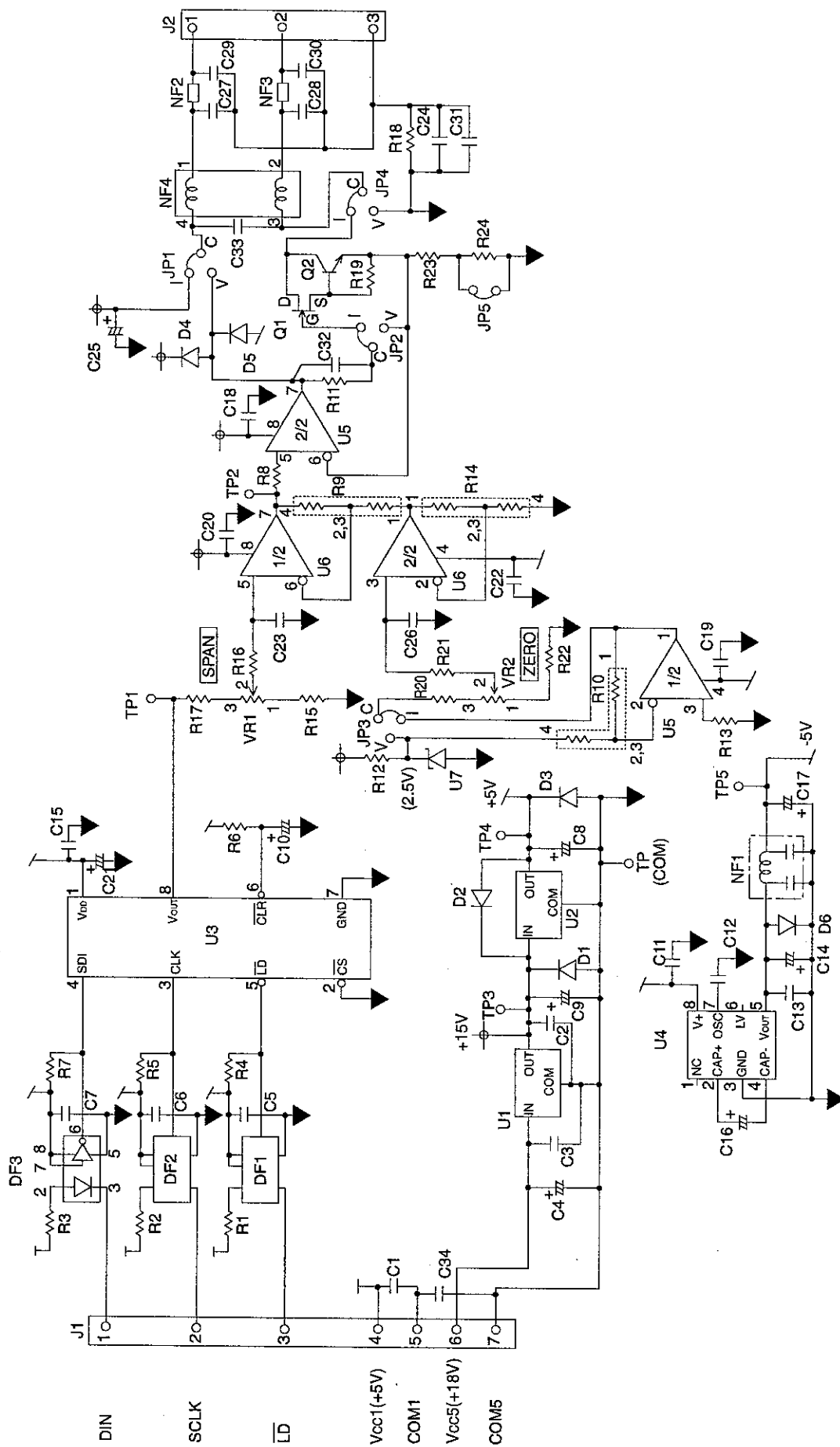
MODEL	AD4401-01
DESCRIPTION	BCD OUTPUT BOARD
STOCK No.	7PZ:3089
DRWG.No	QD-EC3-000221(1/1)



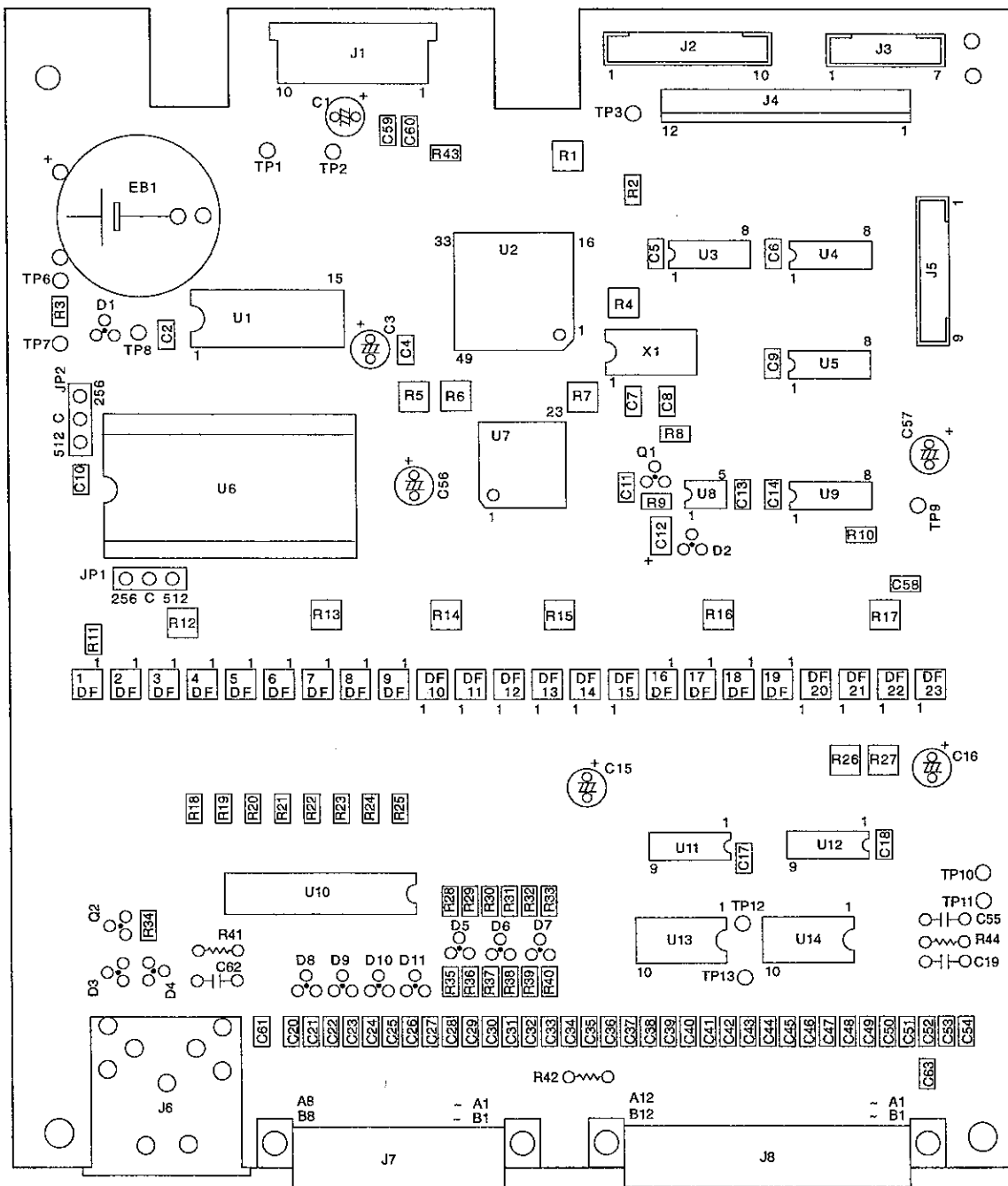
MODEL	AD4401-03
DESCRIPTION	RS-422/485 BOARD
STOCK No.	7PZ:3090
DRWG.No	QD-EC3-000222(1/1)



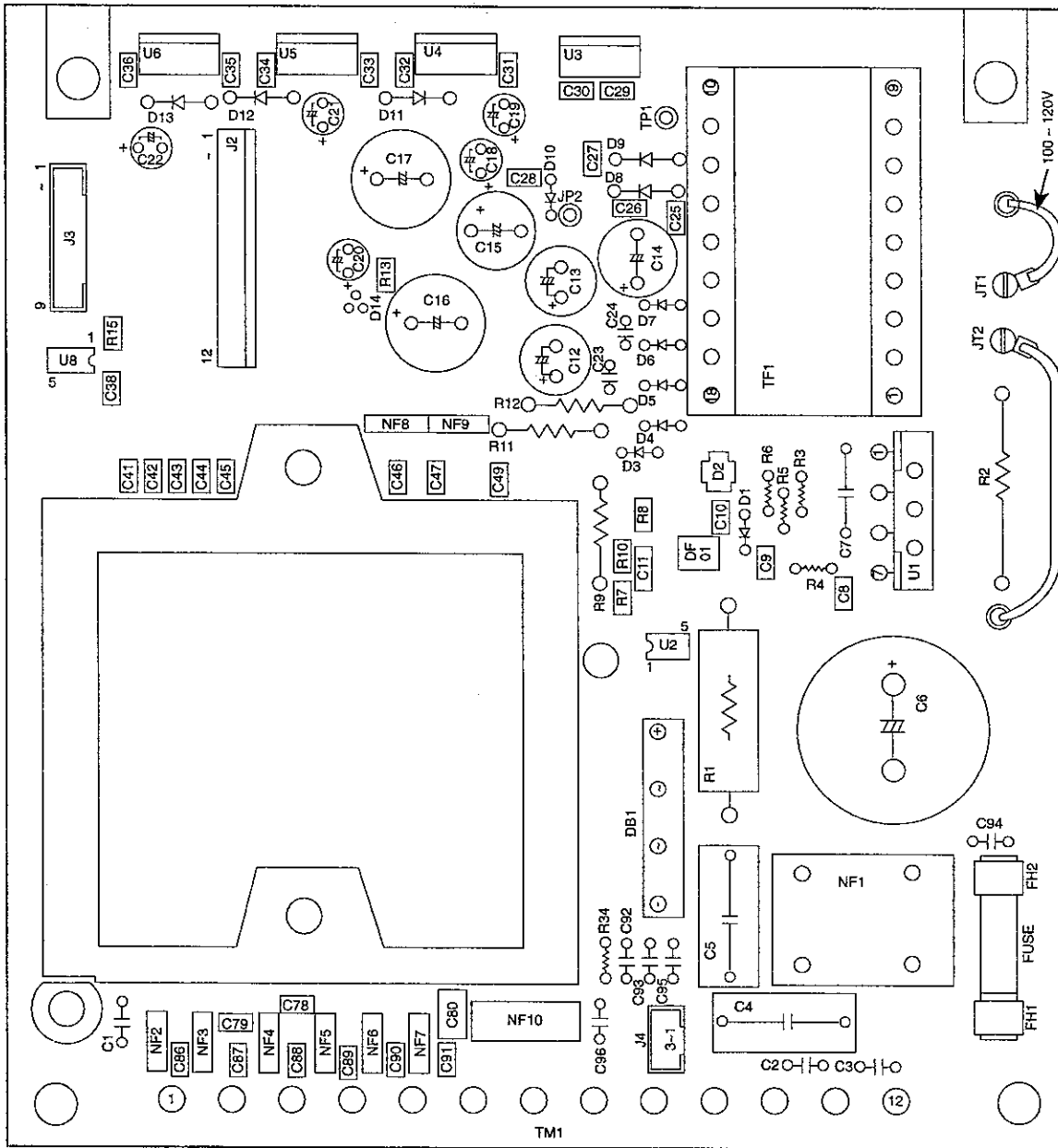
MODEL	AD4401-04
DESCRIPTION	RS-232C BOARD
STOCK No.	7PZ:3091
DRWG.No	QD-EC3-000223(1/1)



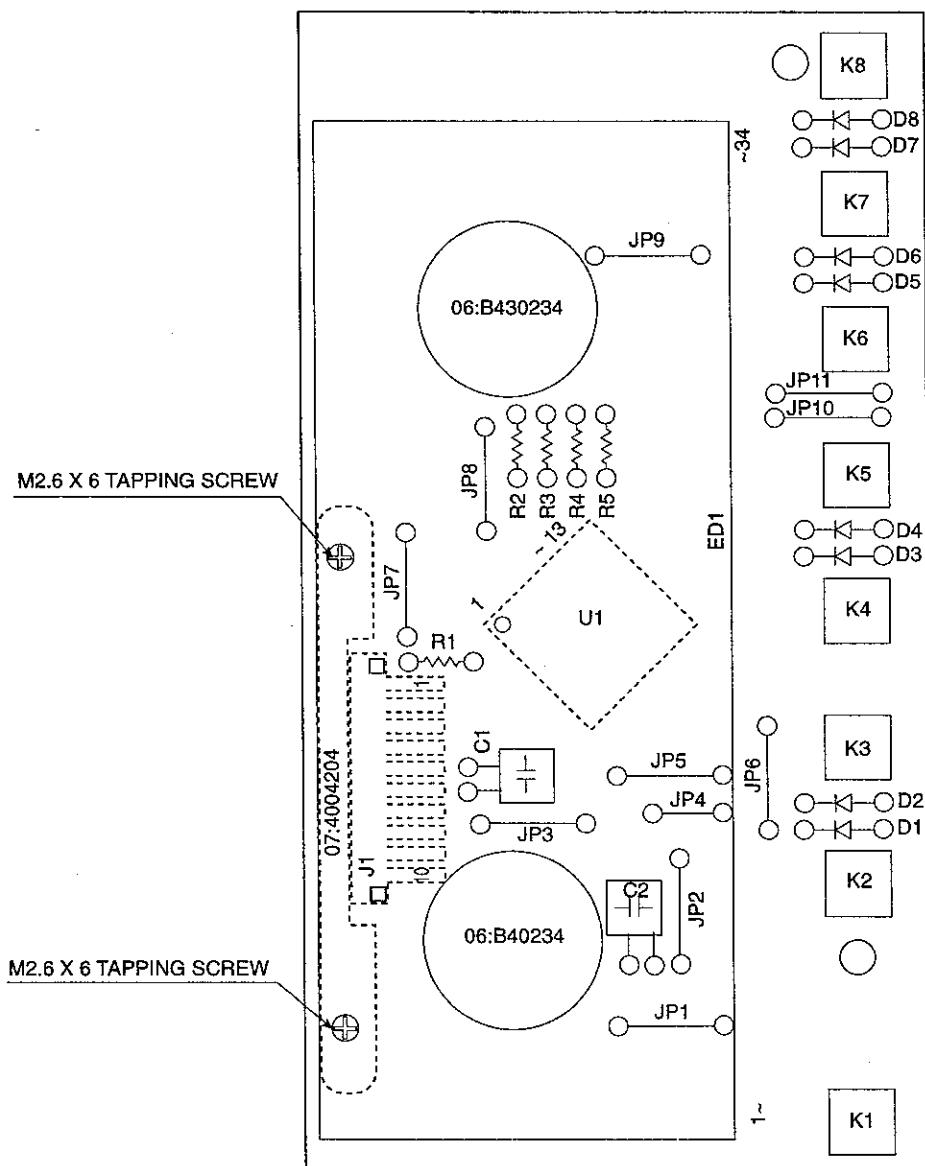
MODEL	AD4401-07
DESCRIPTION	ANALOG OUTPUT BOARD
STOCK No.	7PZ:3092
DRWG.No	QD-EC3-000224(1/1)



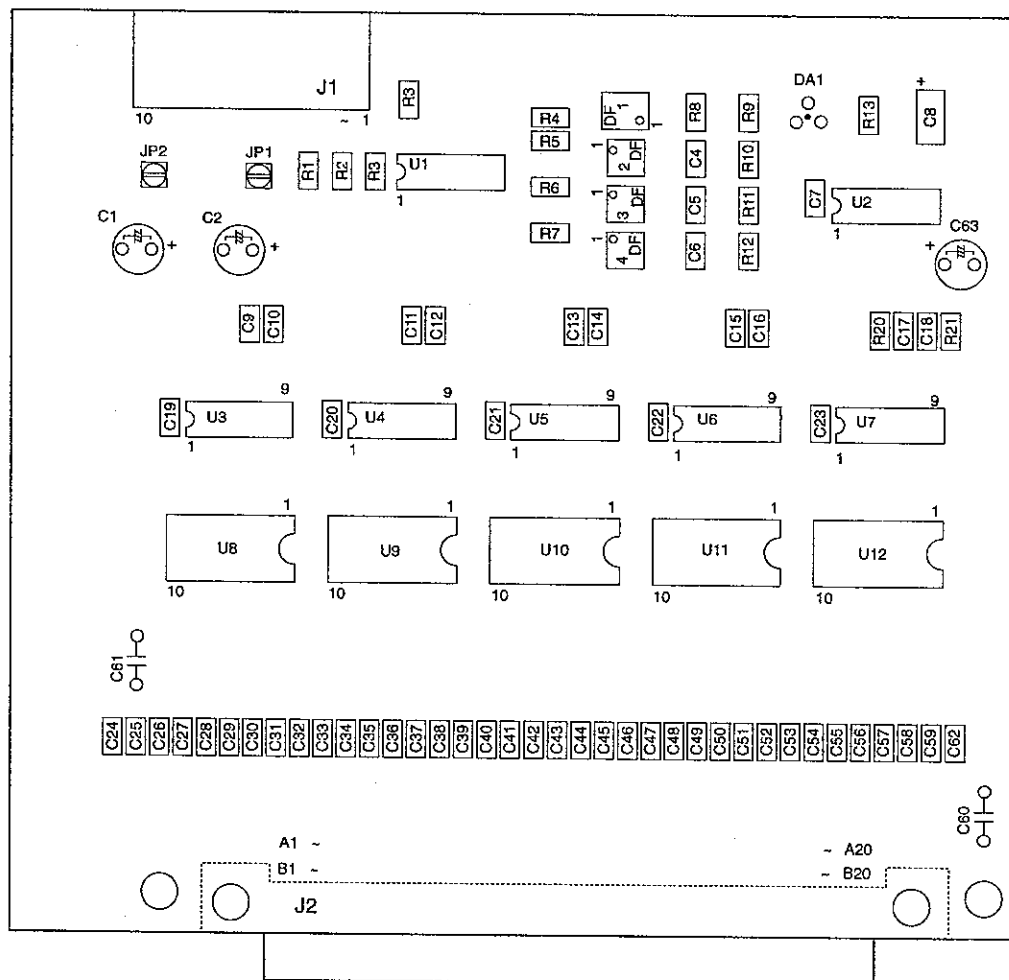
MODEL	AD4401
DESCRIPTION	MAIN BOARD
STOCK No.	7PZ:3086
DRWG.No	QD-KZ3-000249(1/1)



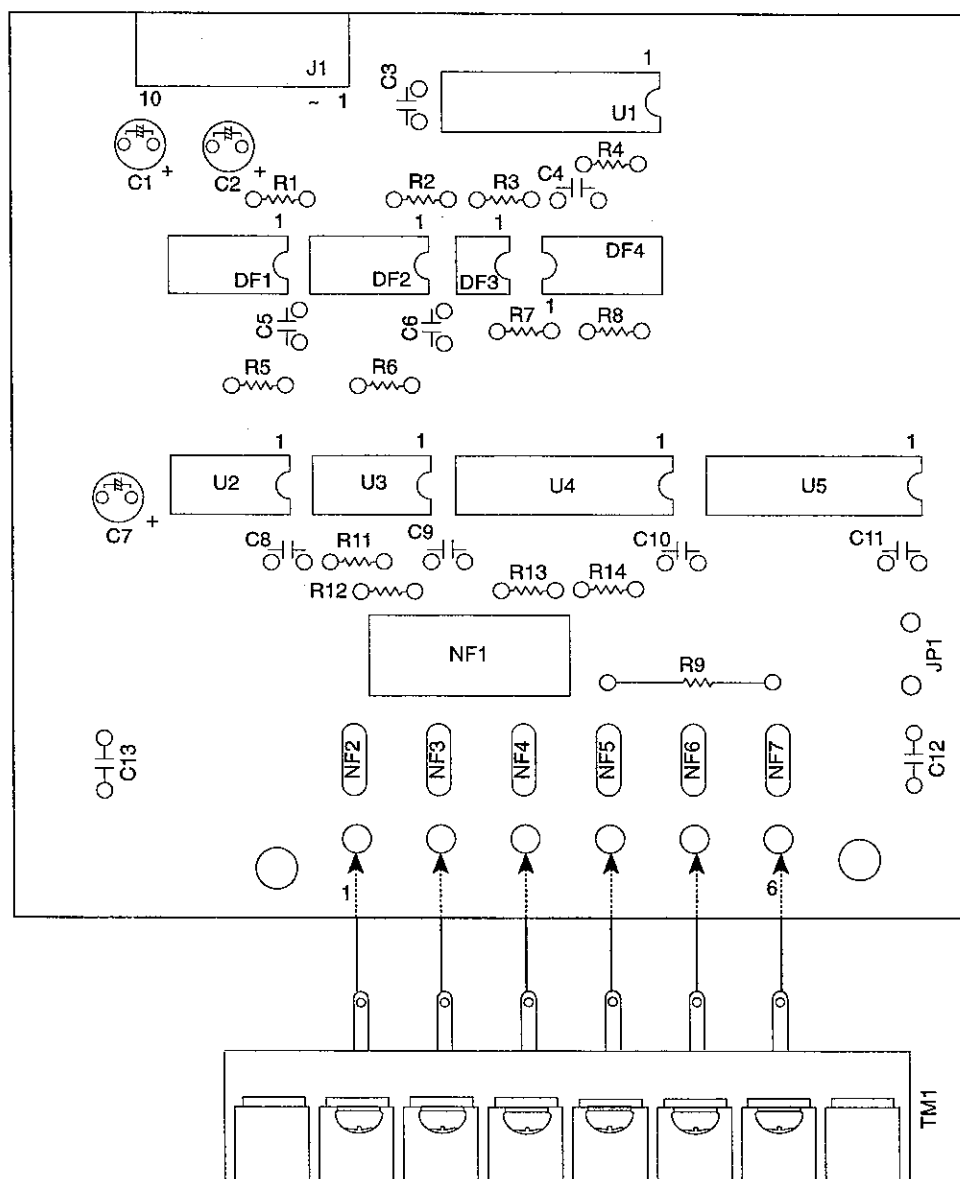
MODEL	AD4401
DESCRIPTION	A/D & POWER SUPPLY BOARD
STOCK No.	7PZ:3087
DRWG.No	QD-KZ3-000250D(1/1)



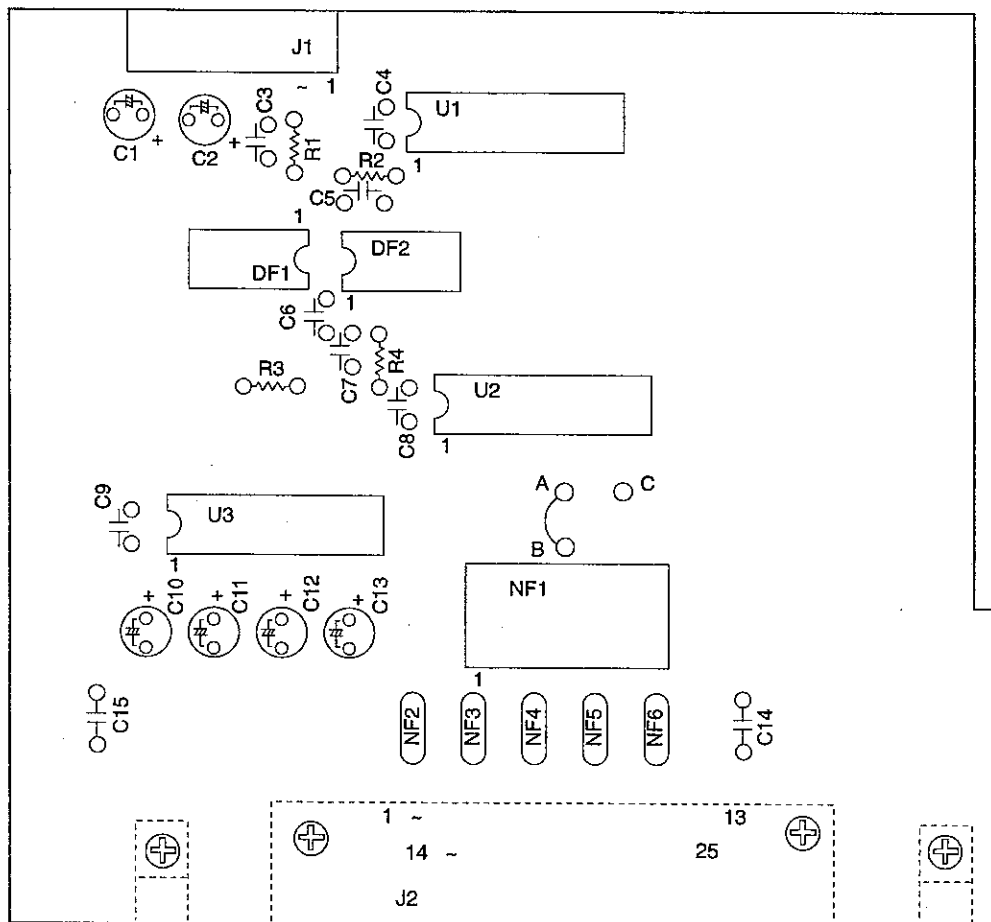
MODEL	AD4401
DESCRIPTION	DISPLAY/KEY BOARD
STOCK No.	7PZ:3088
DRWG.No	QD-KZ3-000251A(1/1)



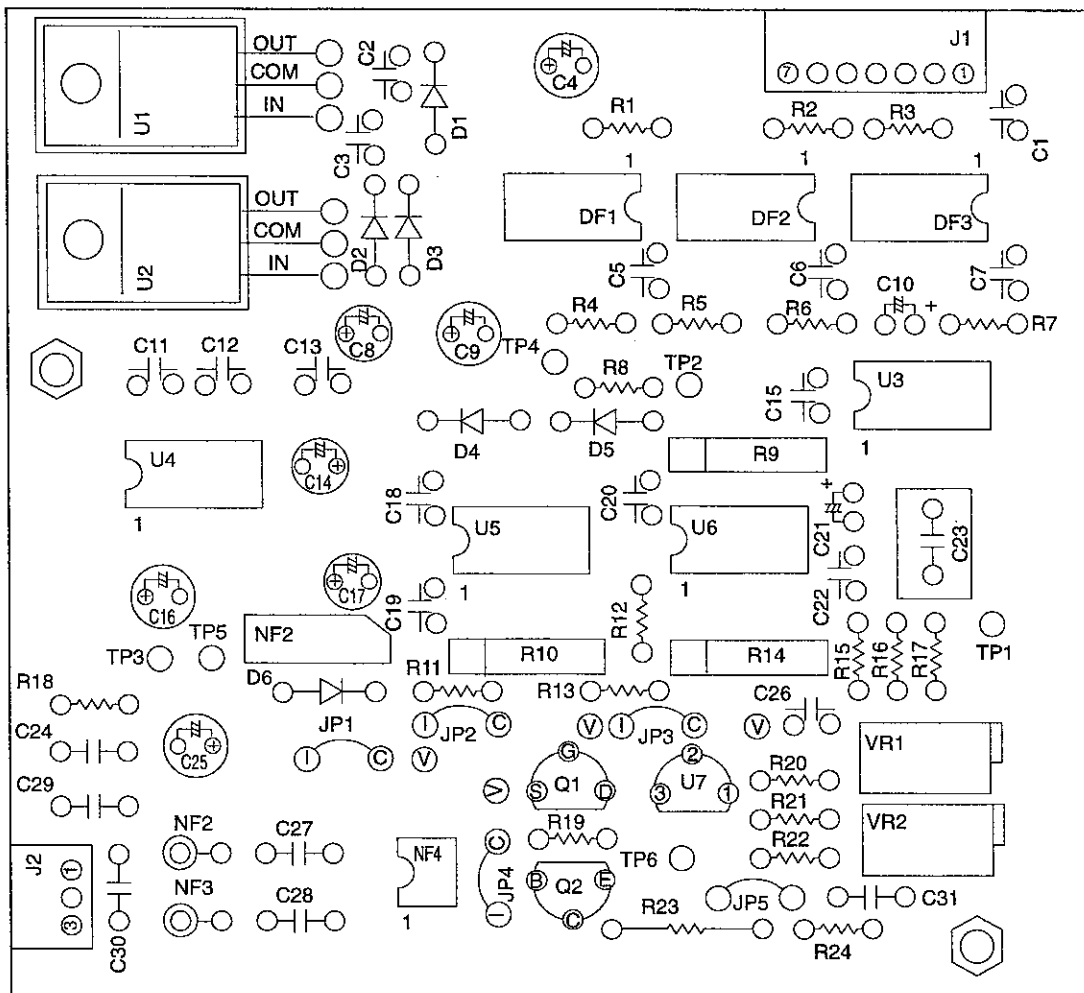
MODEL	AD4401-01
DESCRIPTION	BCD OUTPUT BOARD
STOCK No.	7PZ:3089
DRWG.No	QD-KZ3-000252(1/1)



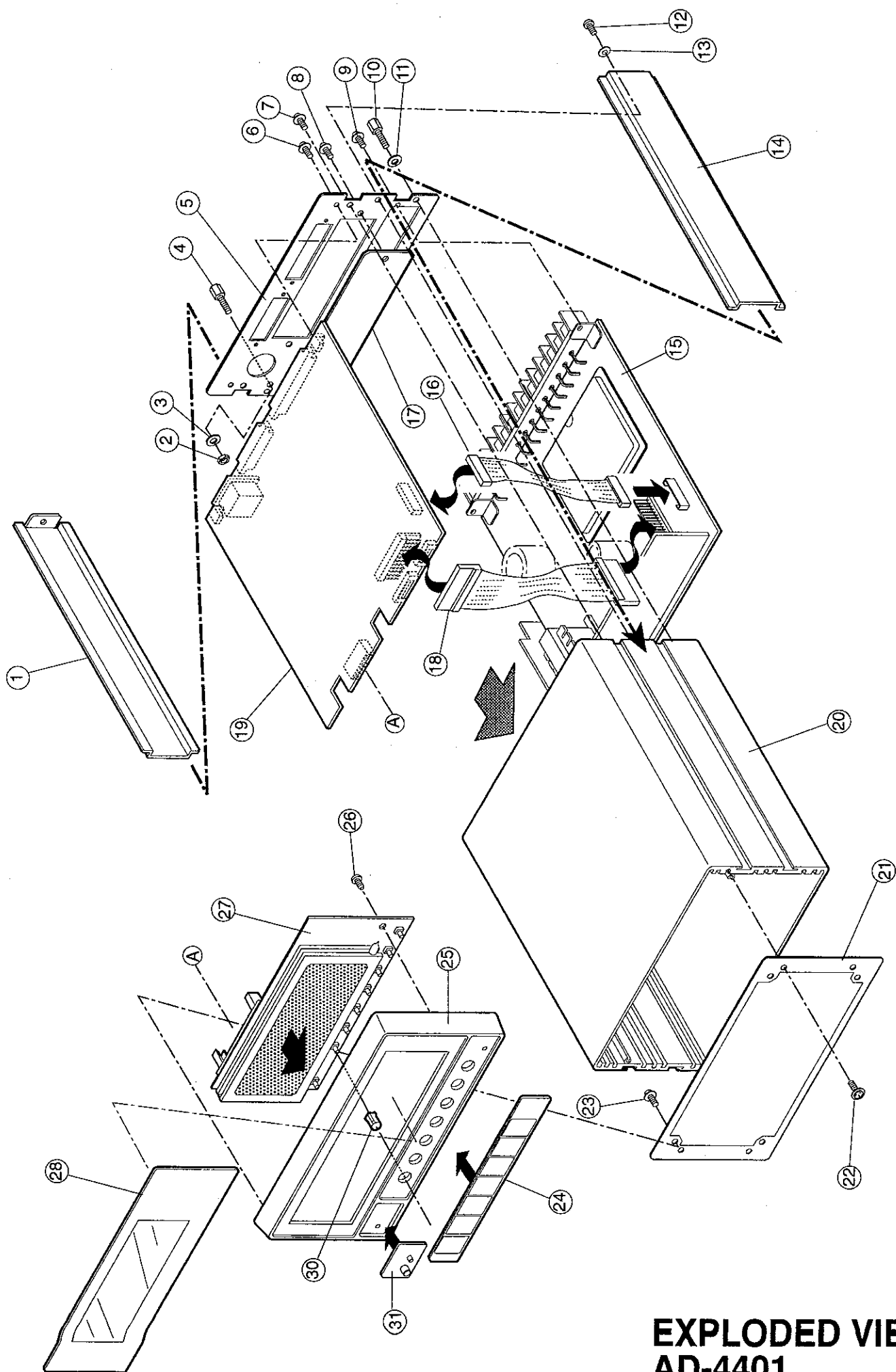
MODEL	AD4401-03
DESCRIPTION	RS-422/485 BOARD
STOCK No.	7PZ:3090
DRWG.No	QD-KZ3-000253(1/1)



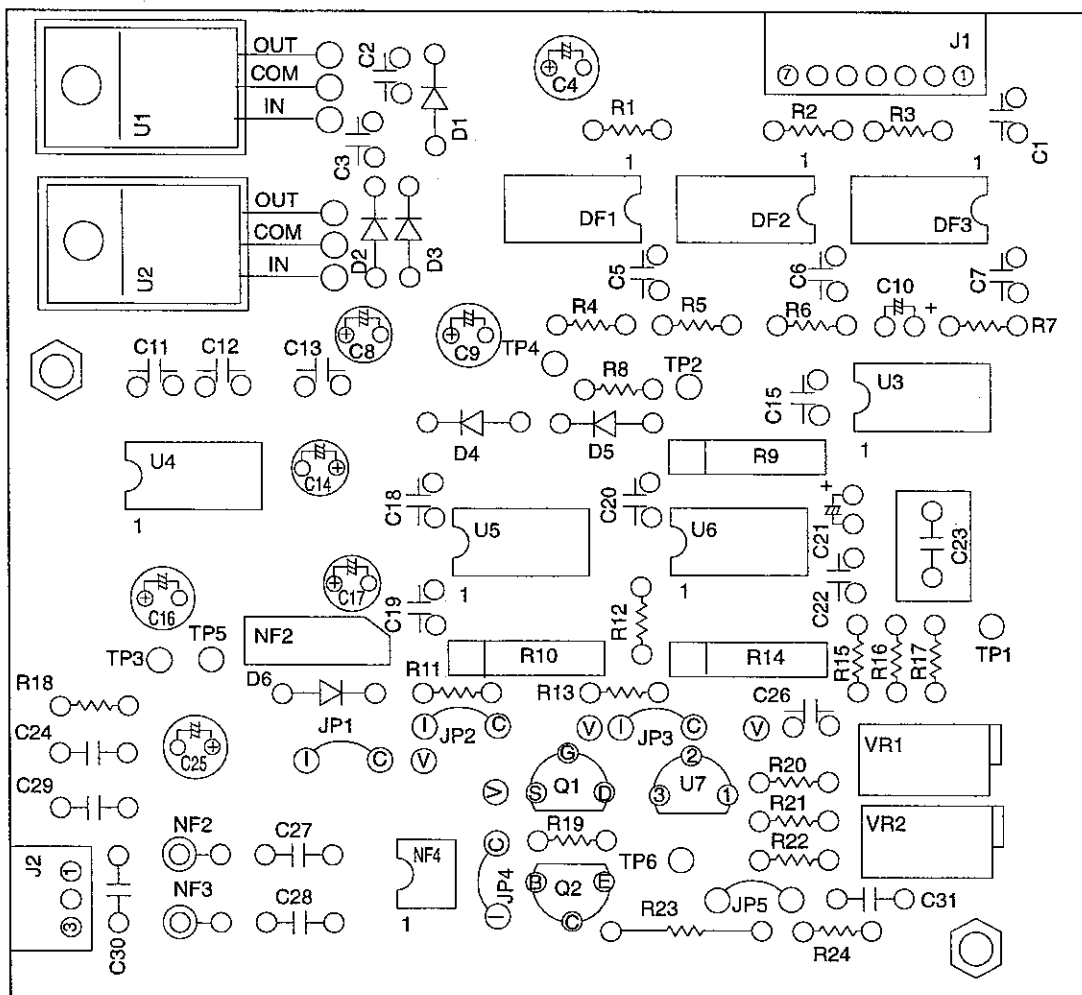
MODEL	AD4401-04
DESCRIPTION	RS-232C BOARD
STOCK No.	7PZ:3091
DRWG.No	QD-KZ3-000254(1/1)



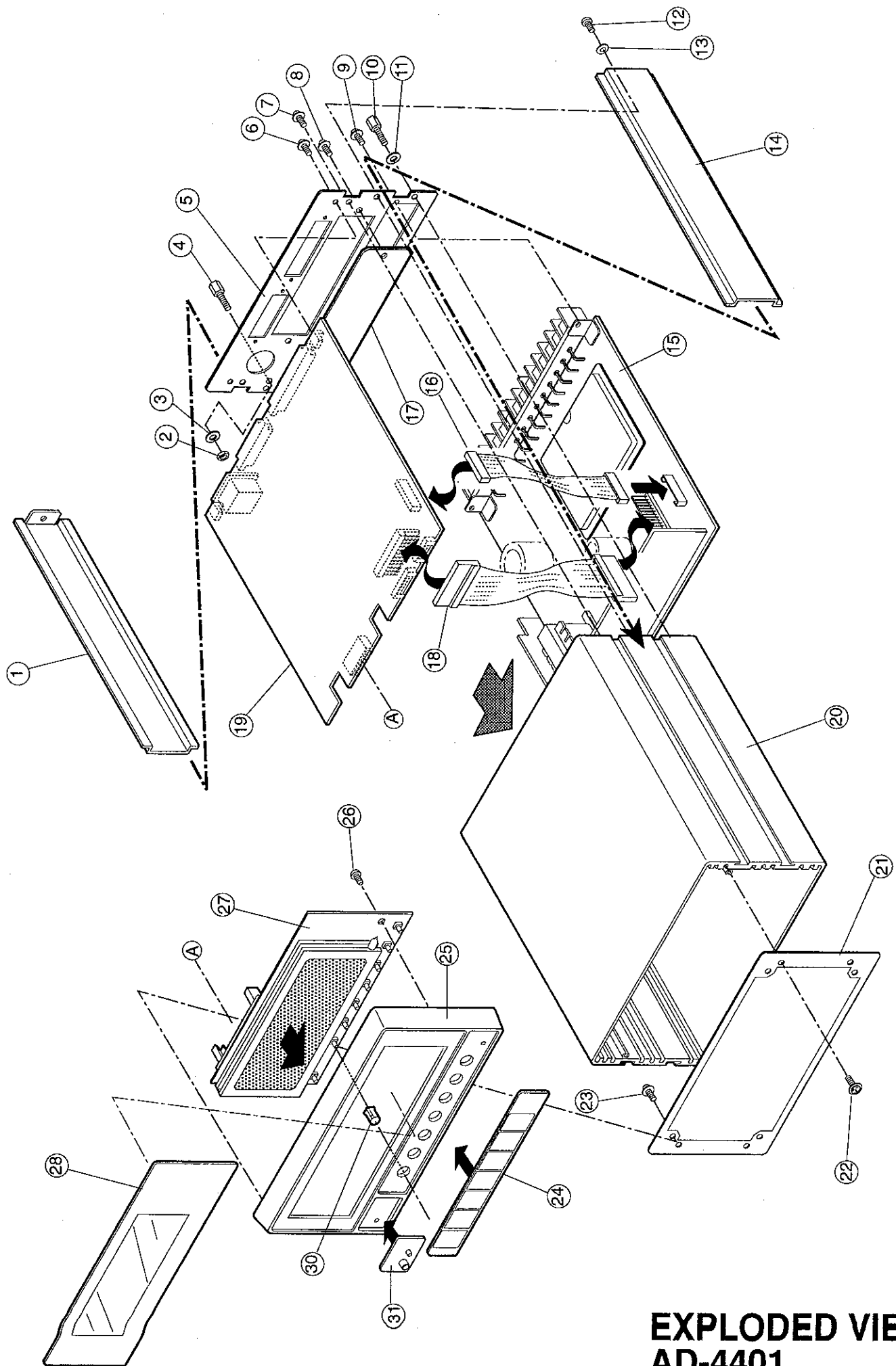
MODEL	AD4401-07
DESCRIPTION	ANALOG OUTPUT BOARD
STOCK No.	7PZ:3092
DRWG.No	QD-KZ3-000255(1/ 1)



**EXPLODED VIEW
AD-4401**



MODEL	AD4401-07
DESCRIPTION	ANALOG OUTPUT BOARD
STOCK No.	7PZ:3092
DRWG.No	QD-KZ3-000255(1/ 1)



**EXPLODED VIEW
AD-4401**

AD4401 PARTS LIST

Symbol	Part No.	Part Name	Q' TY
1	04:4004211	DIN SLIDE RAIL	1
2		M3 NUT	1
3		SPRING WASHER	1
4	05:B44285	M3 HEXHEAD BOLT	1
5	01:3001685	REAR PANEL	1
6		M2.6×4 PAN HEAD SCREW	2
7		M3×8 SCREW With SPRING WASHER, PLANE WASHER	2
8		M3×6 SCREW With SPRING WASHER, PLANE WASHER	2
9		M2.6×6 PAN HEAD SCREW	2
10	05:B44285	M3 HEXHEAD BOLT	2
11		M3 PLAIN WASHER	2
12		M3×12 BINDING HEAD SCREW	2
13		M3 NYLON WASHER	2
14	04:4004211	DIN SLIDE RAIL	1
15	7PZ:3087	A/D & POWER SUPPLY BOARD ASSEY.	1
16	KO:1130-09W005	CABLE	1
17	04:4004207	BLANK PANEL	1
18	KO:1501-12W10	CABLE	1
19	7PZ:3086	MAINBOARD ASSEY.	1
20	05:3001687-1	DIN CASE	1
21	04:4004206	LOCK PLATE	1
22		M3×8 SCREW With SPRING WASHER	4
23		M3×6 SCREW With SPRING WASHER, PLANE WASHER	4
24	08:3001822	KEYSHEET	1
25	707:2000214	FRONT PANEL ASSEY.	1
26		M3×8 TAPPING SCREW	2
27	7PZ:3088	DISPLAY BOARD ASSEY.	1
28	07:3001824	FILTER	1
30	07:4004205	KEYTOP	8
31	707:4004203	CAL PANEL ASSEY.	1

Memoranda

[illegible]



A&D Company, Limited

3-23-14 Higashi-Ikebukuro, Toshima-ku, Tokyo 170 JAPAN
Telephone: [81] (3) 5391-6132 Fax: [81] (3) 5391-6148

A&D ENGINEERING, INC.

1555 McCandless Drive, Milpitas, CA. 95035 U.S.A.
Telephone: [1] (408) 263-5333 Fax: [1] (408) 263-0119

A&D INSTRUMENTS LTD.

Abingdon Science Park, Abingdon, Oxford OX14 3YS ENGLAND
Telephone: [44] (1235) 550420 Fax: [44] (1235) 550485

<German Sales Office>

Genfer Strasse 6, Niedereschbach 60437 Frankfurt Main 50 GERMANY
Telephone: [49] (69) 507-1017 Fax: [49] (69) 507-2054

A&D MERCURY PTY. LTD.

32 Dew Street, Thebarton, South Australia 5031 AUSTRALIA
Telephone: [61] (8) 352-3033 Fax: [61] (8) 352-7409

A&D KOREA Limited

8th Floor, Manhattan Bldg. 36-2 Yoido-dong, Youngdeungpo-ku, Seoul, KOREA
Telephone: [82] (2) 780-4101 Fax: [82] (2) 782-4280