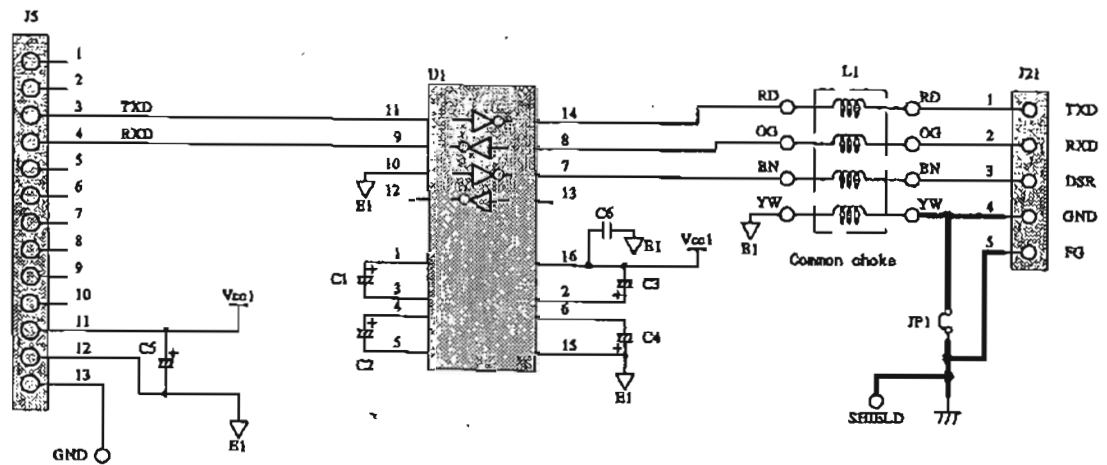
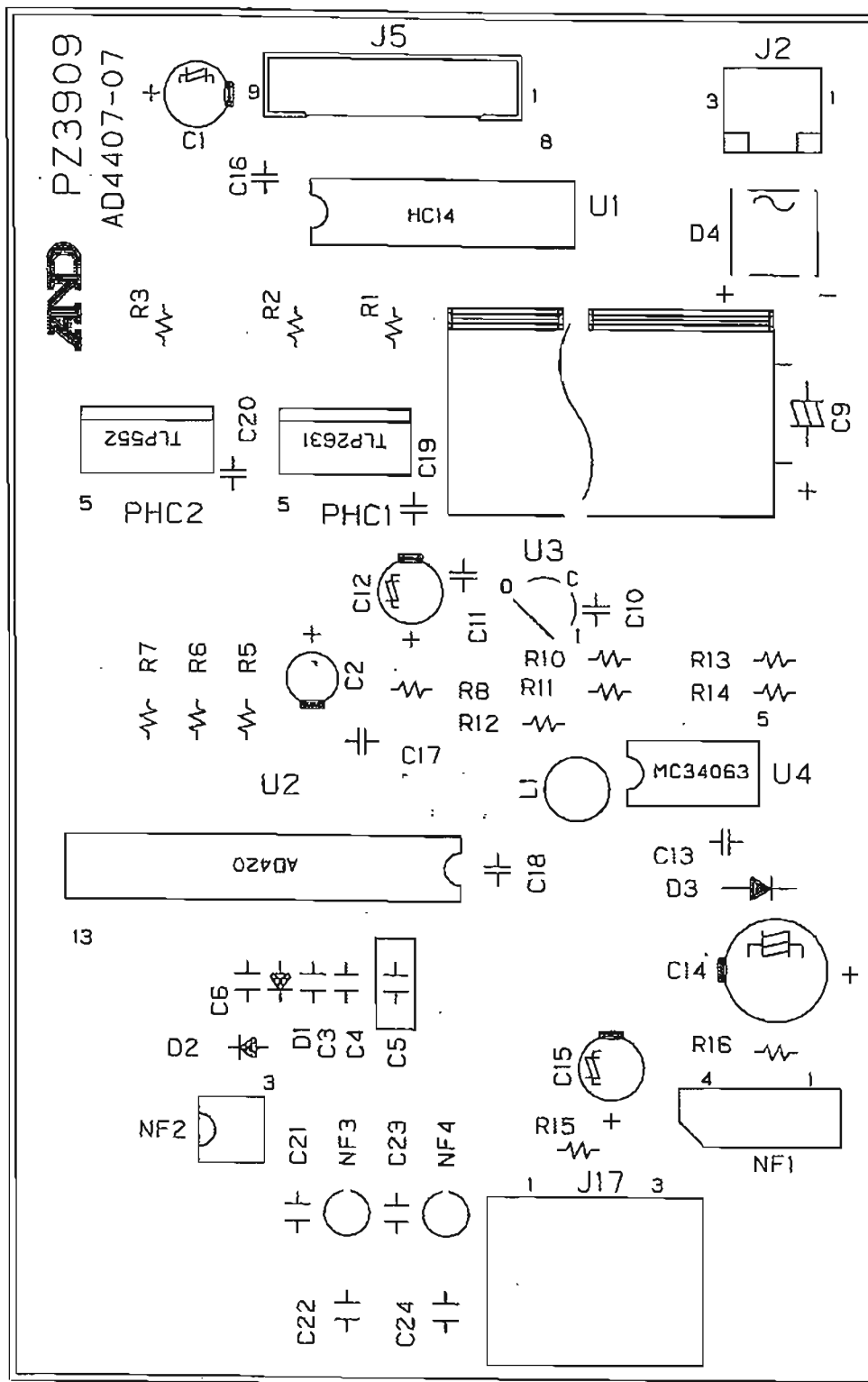


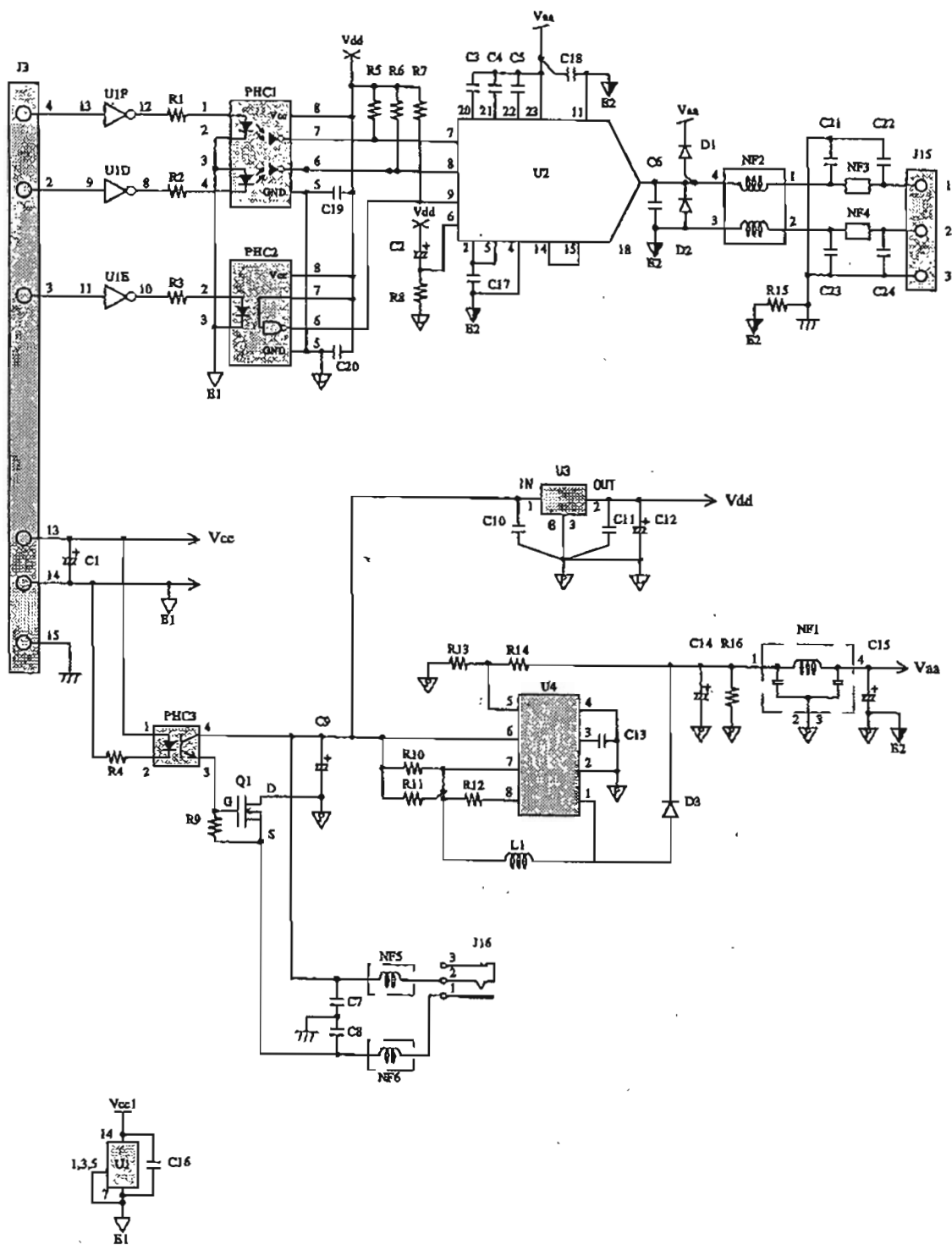
MODEL	AD-4407
DESCRIPTION	RS-232C BOARD
STOCK No.	7PZ+3911
DRWG.No.	



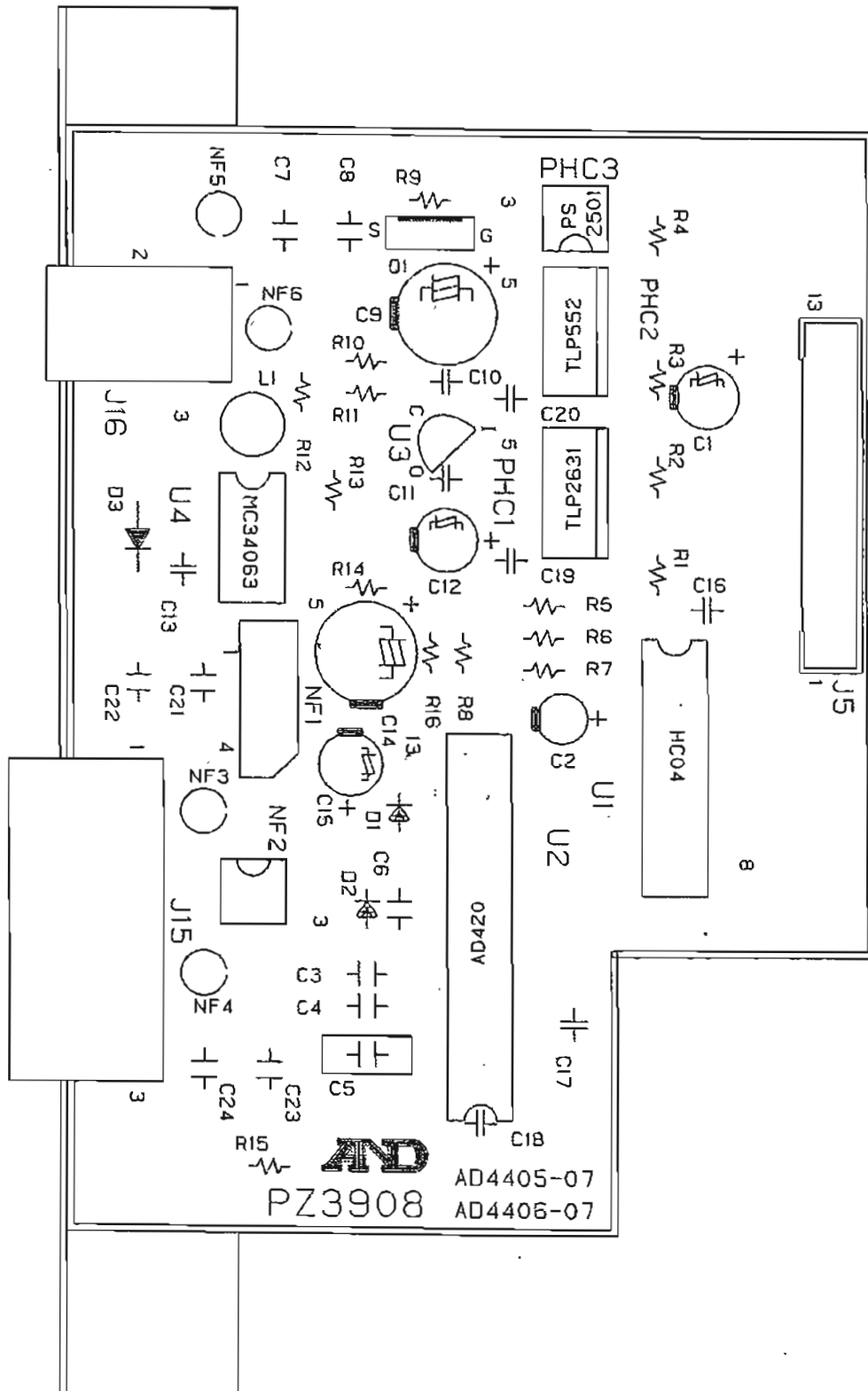
MODEL	AD-4407
DESCRIPTION	RS-232C BOARD
STOCK No.	7PZ+3911
DRWG.No.	



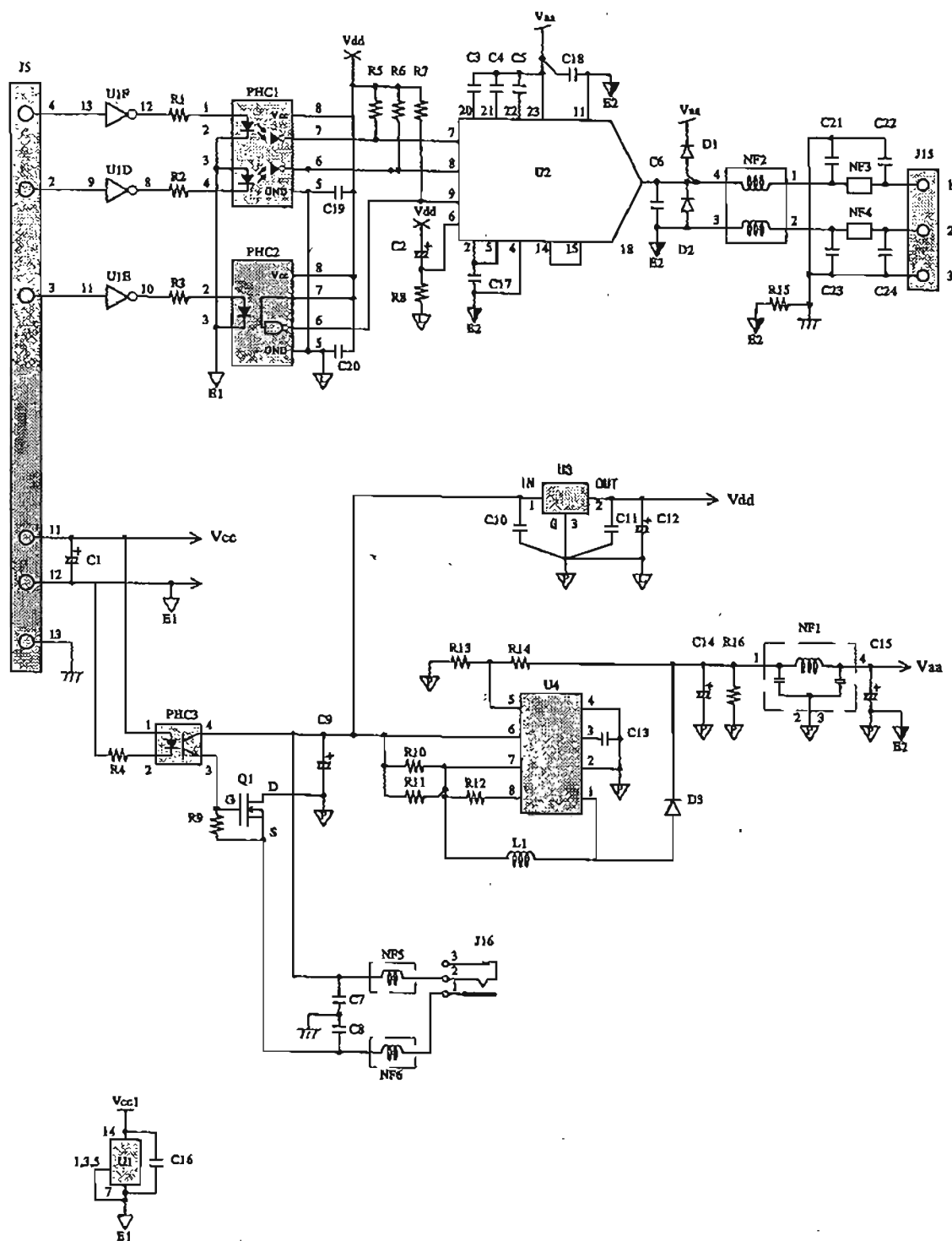
MODEL	AD-4407
DESCRIPTION	ANALOG OUTPUT BOARD
STOCK No.	7PZ+3909
DRWG.No.	



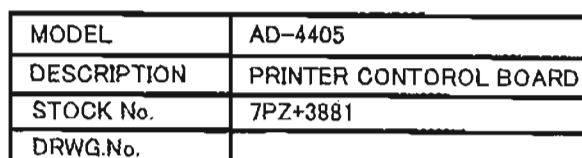
MODEL	AD-4406
DESCRIPTION	ANALOG OUTPUT BOARD
STOCK No.	7PZ+3908B
DRWG.No.	



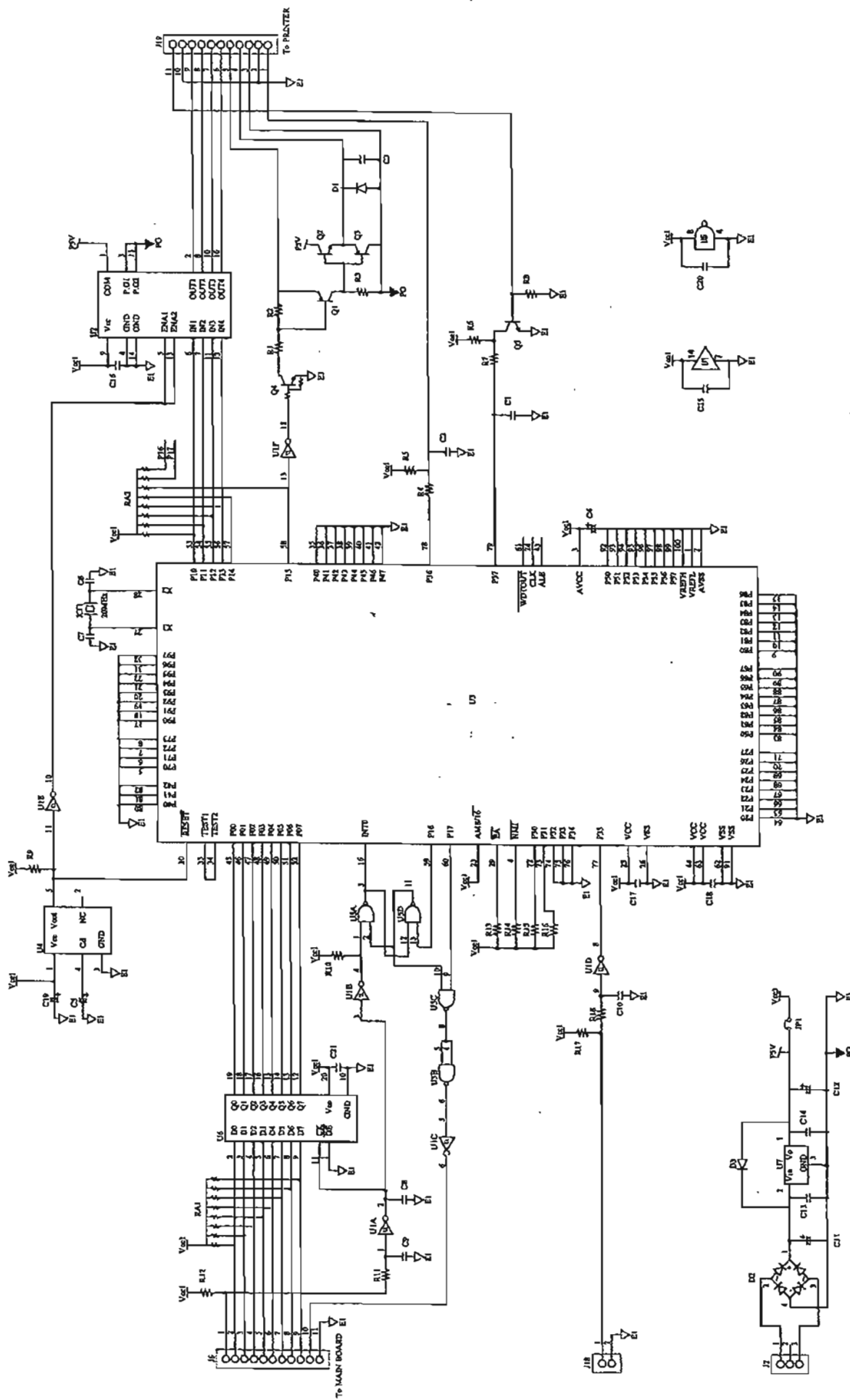
MODEL	AD-4405
DESCRIPTION	ANALOG OUTPUT BOARD
STOCK No.	7PZ+3908A
DRWG.No.	



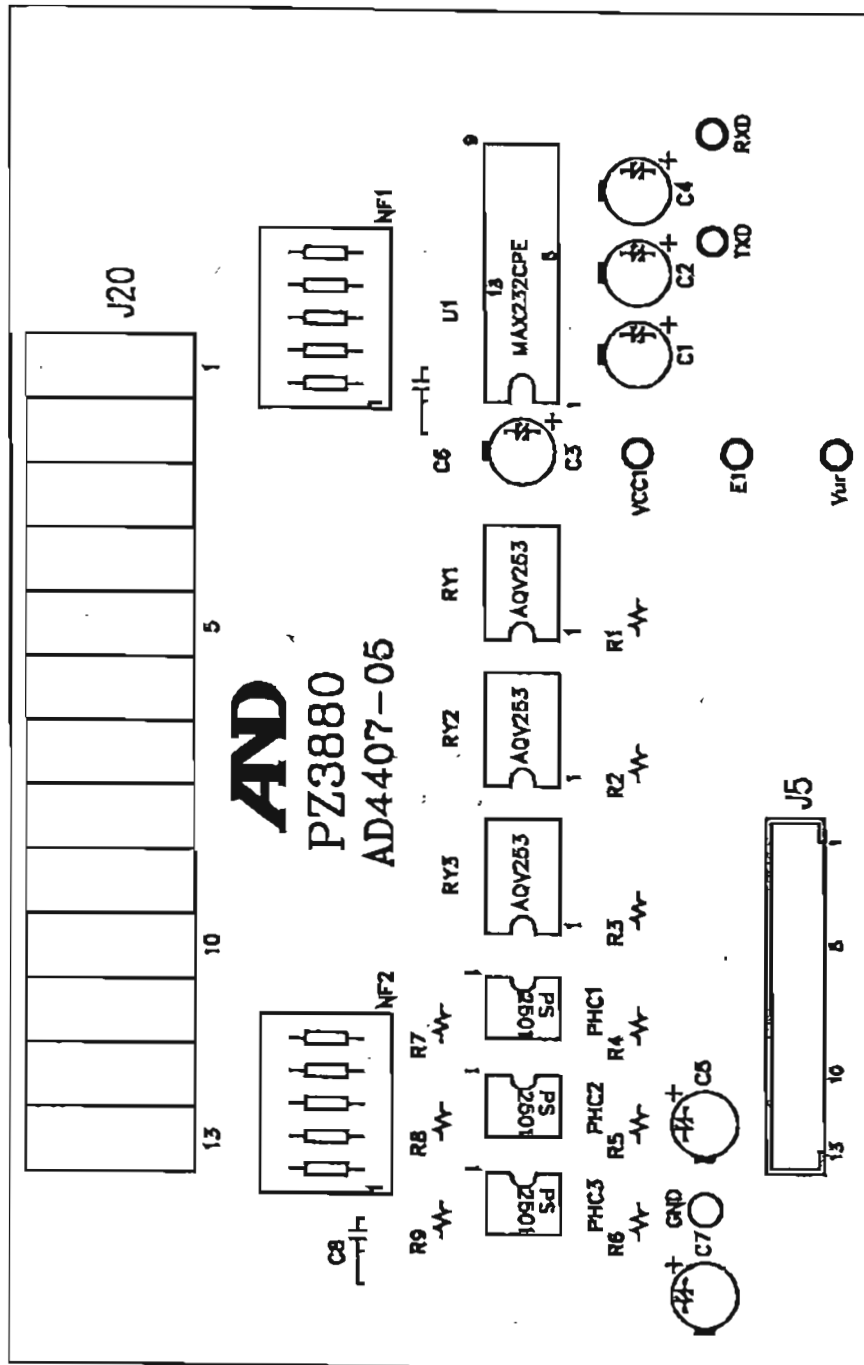
MODEL	AD-4405
DESCRIPTION	ANALOG OUTPUT BOARD
STOCK No.	7PZ+3908A
DRWG.No.	



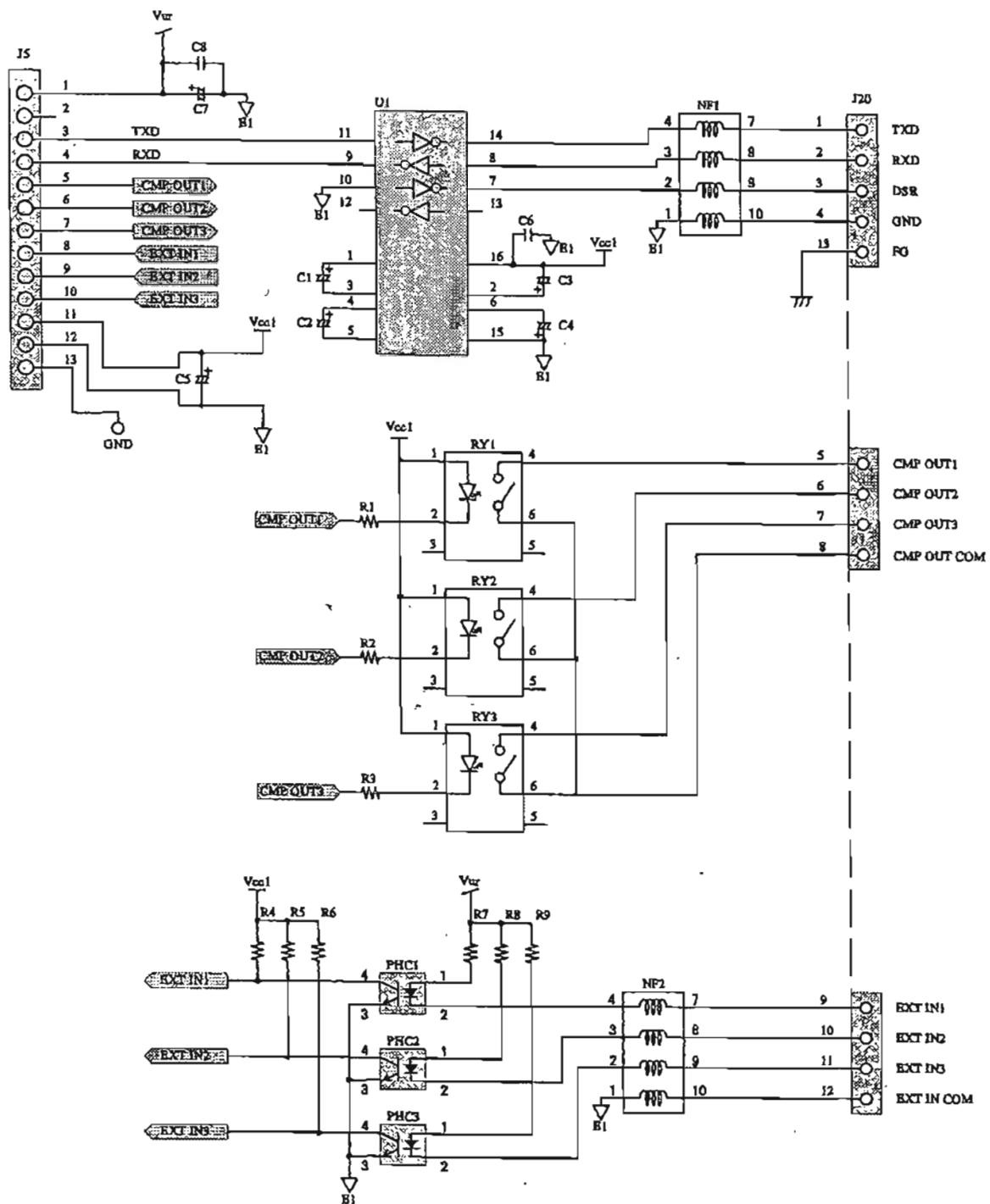




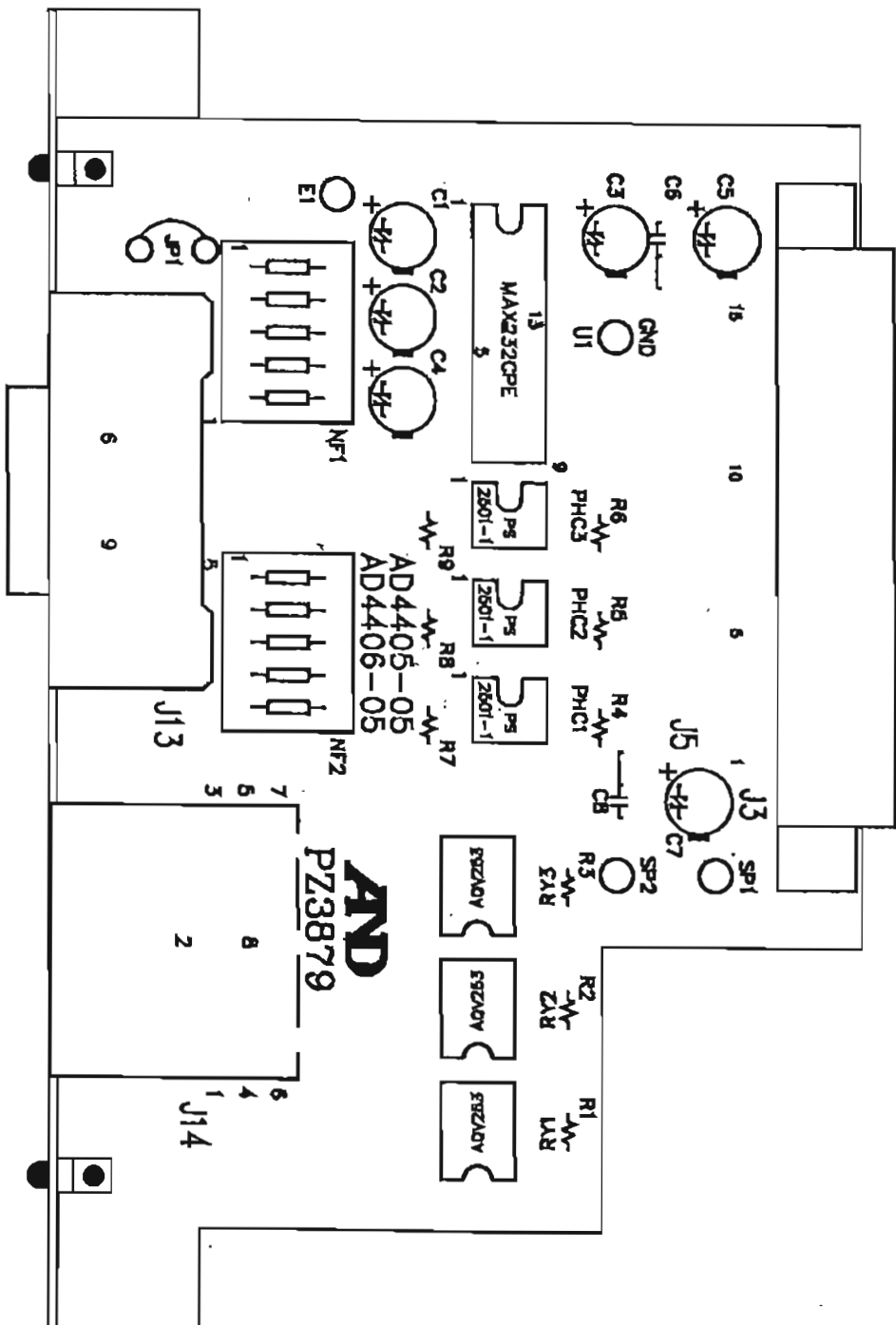
MODEL	AD4405
DESCRIPTION	PRINTER BOARD
STOCK No.	7P2-3881
DRWG.No.	



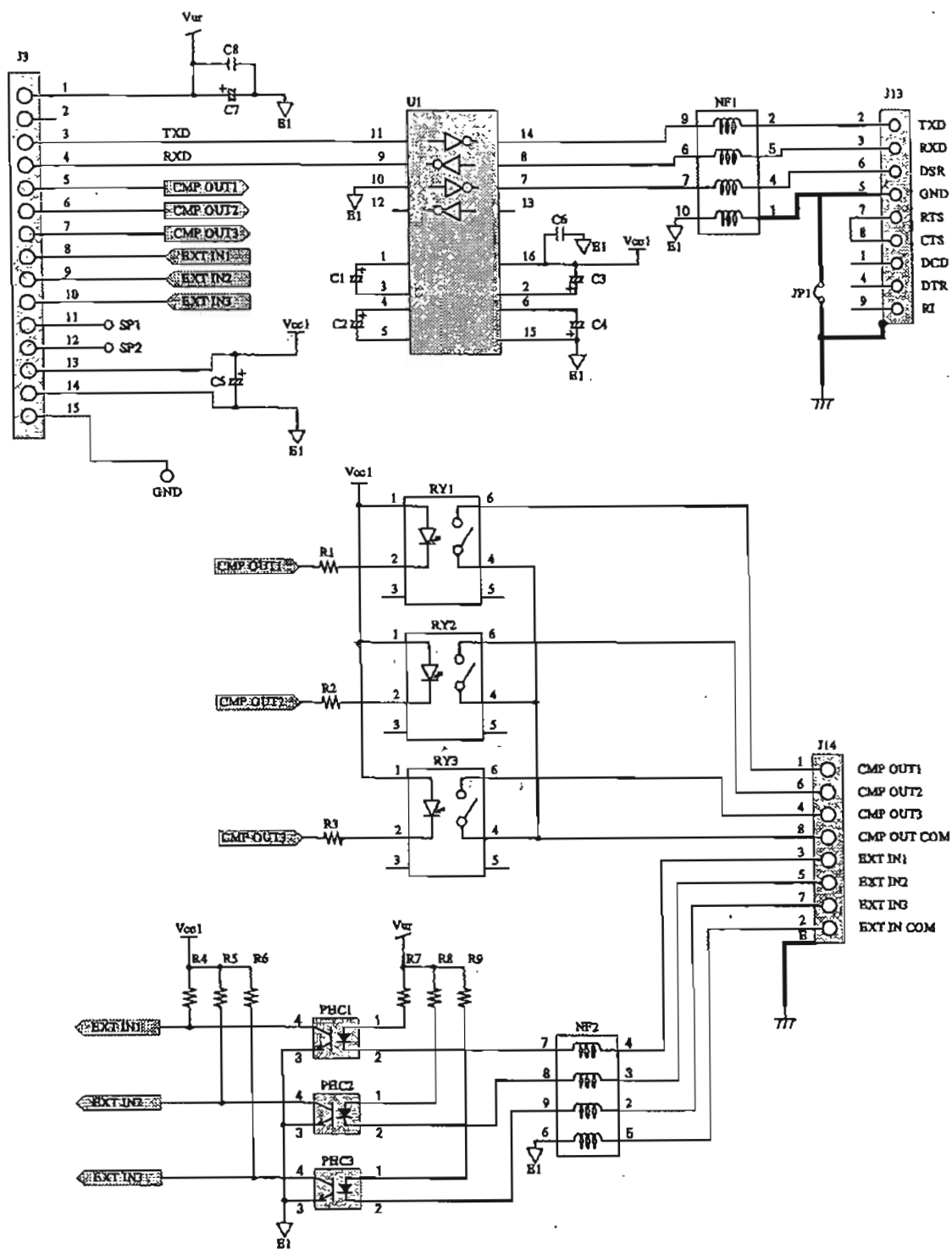
MODEL	AD-4407
DESCRIPTION	RS-232C, RELAY, C. IN BOARD
STOCK No.	7PZ+3880
DRWG.No.	



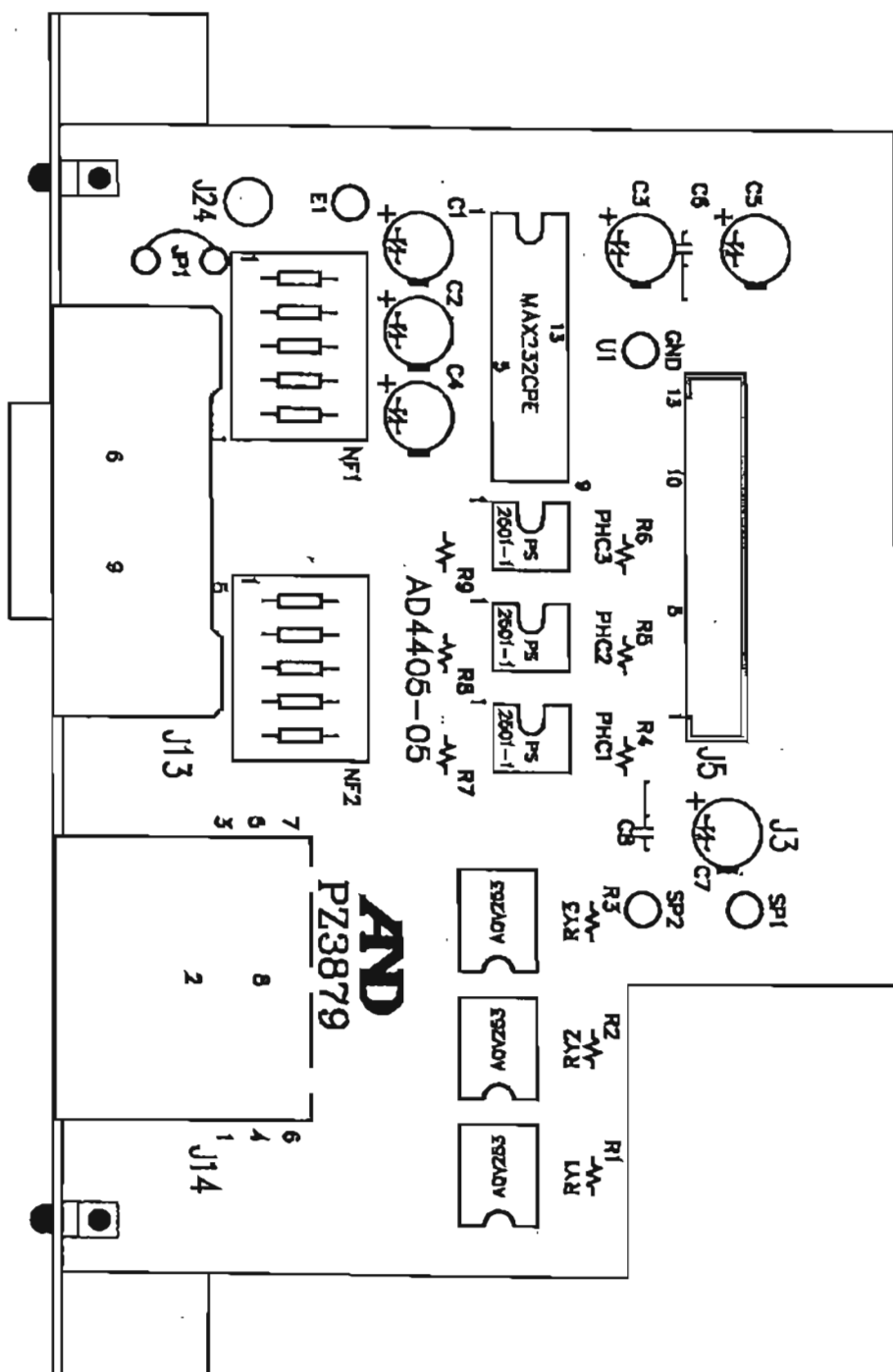
MODEL	AD-4407
DESCRIPTION	RS-232C, RELAY, C. IN BOARD
STOCK No.	7PZ+3880
DRWG.No.	



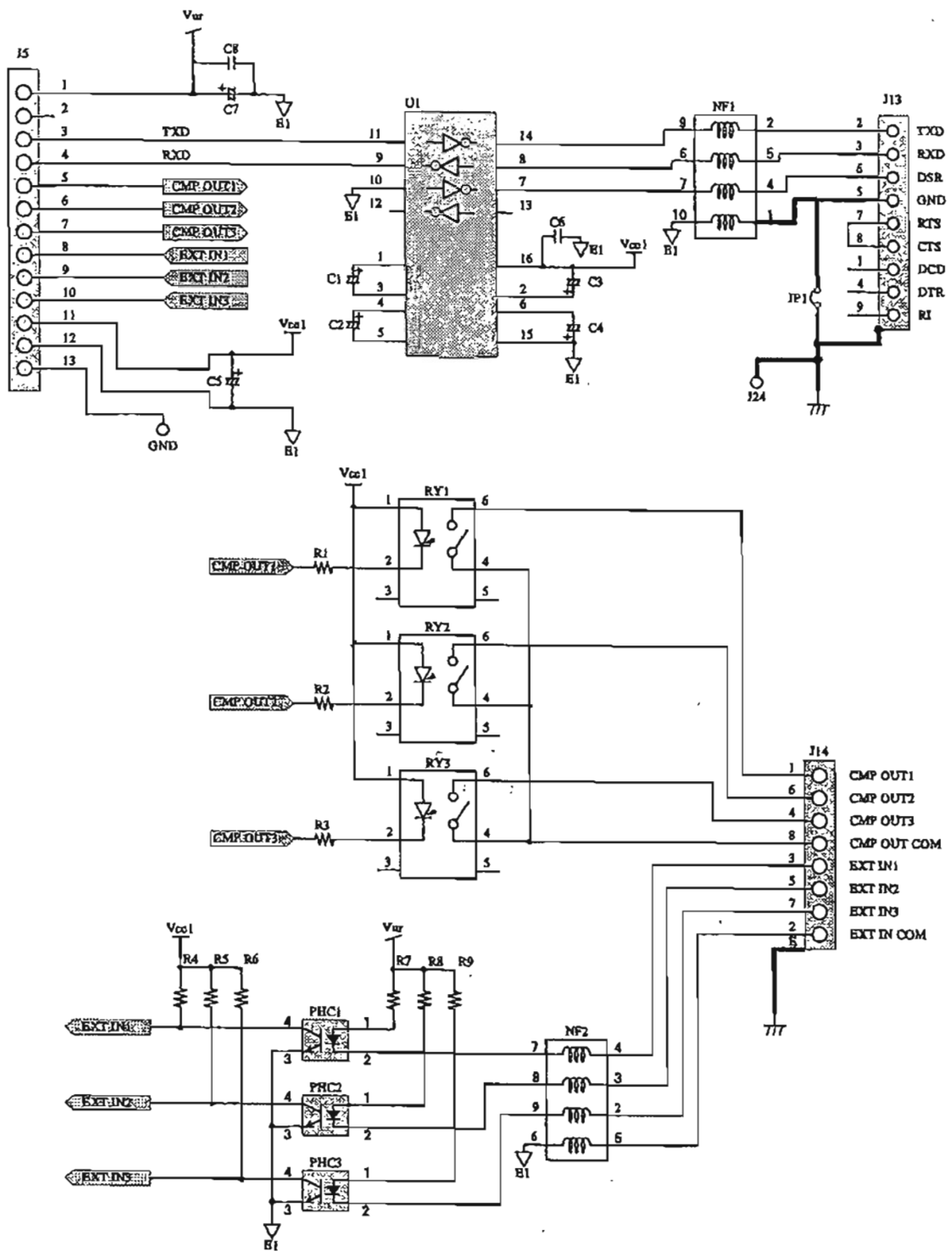
MODEL	AD-4406
DESCRIPTION	RS-232C, RELAY, C. IN BOARD
STOCK No.	7PZ+3879B
DRWG.No.	



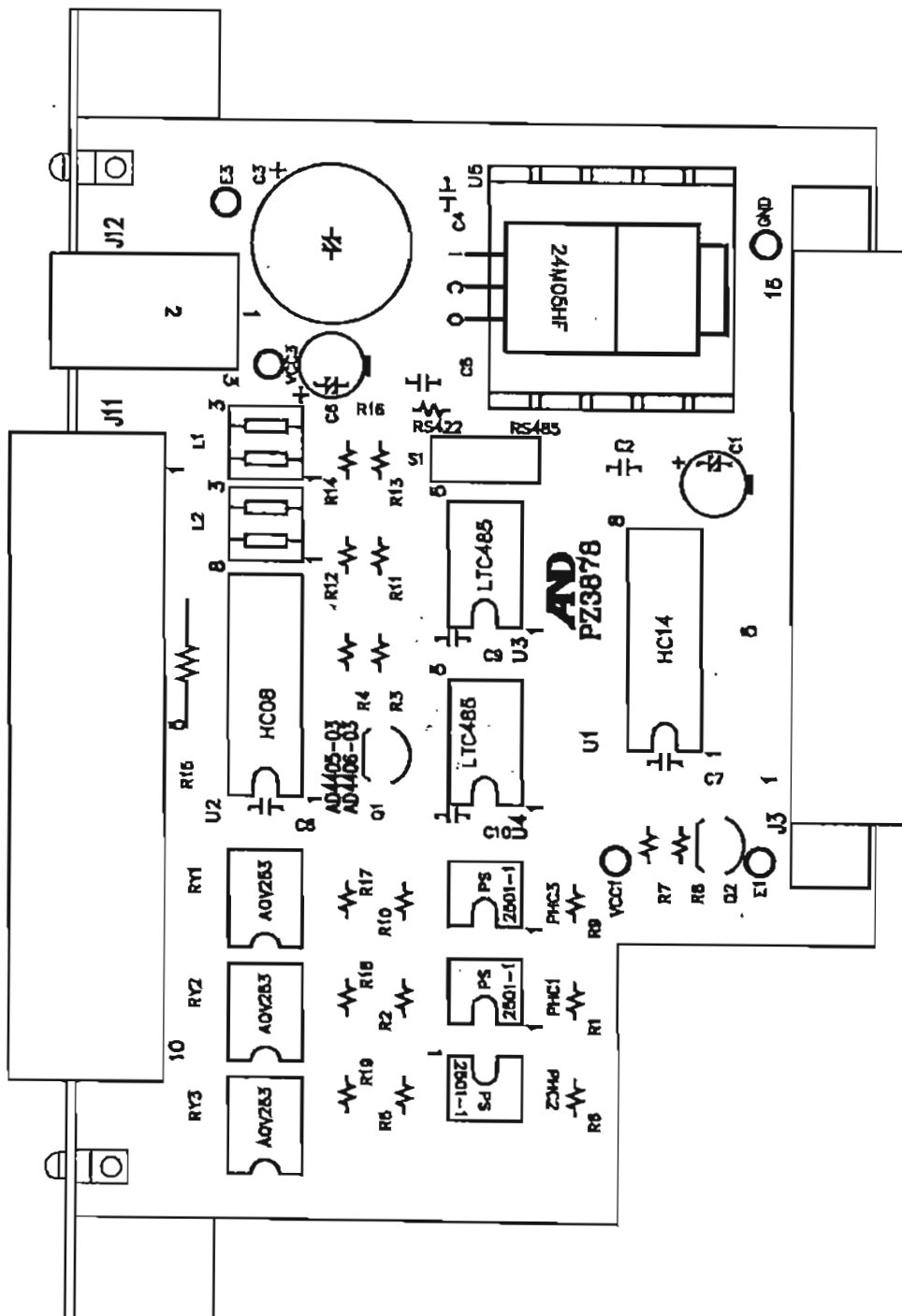
MODEL	AD-4406
DESCRIPTION	RS-232C, RELAY, C. IN BOARD
STOCK No.	7P2+3879B
DRWG.No.	



MODEL	AD-4405
DESCRIPTION	RS-232C, RELAY, C. IN BOARD
STOCK No.	7PZ+3879A
DRWG.No.	

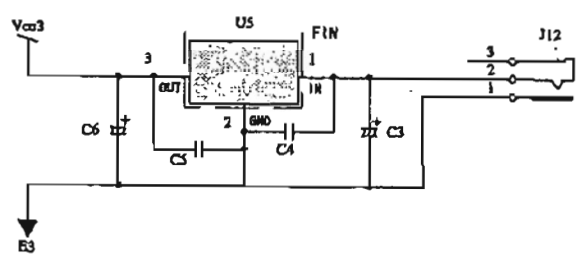
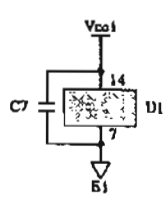
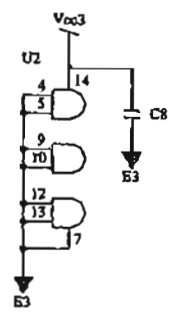
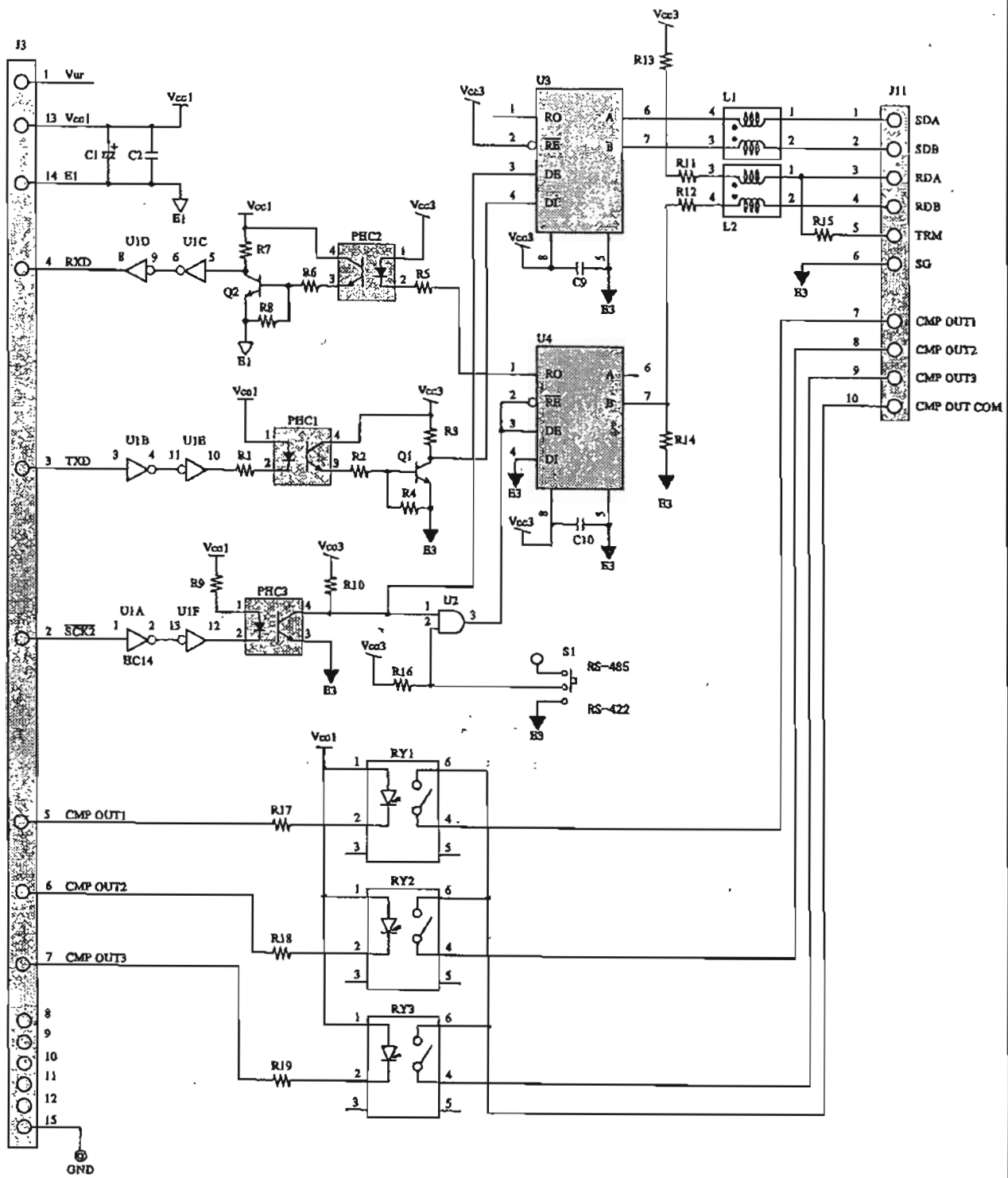


MODEL	AD-4405
DESCRIPTION	RS-232C, RELAY, C. IN BOARD
STOCK No.	7PZ+3879A
DRWG.No.	

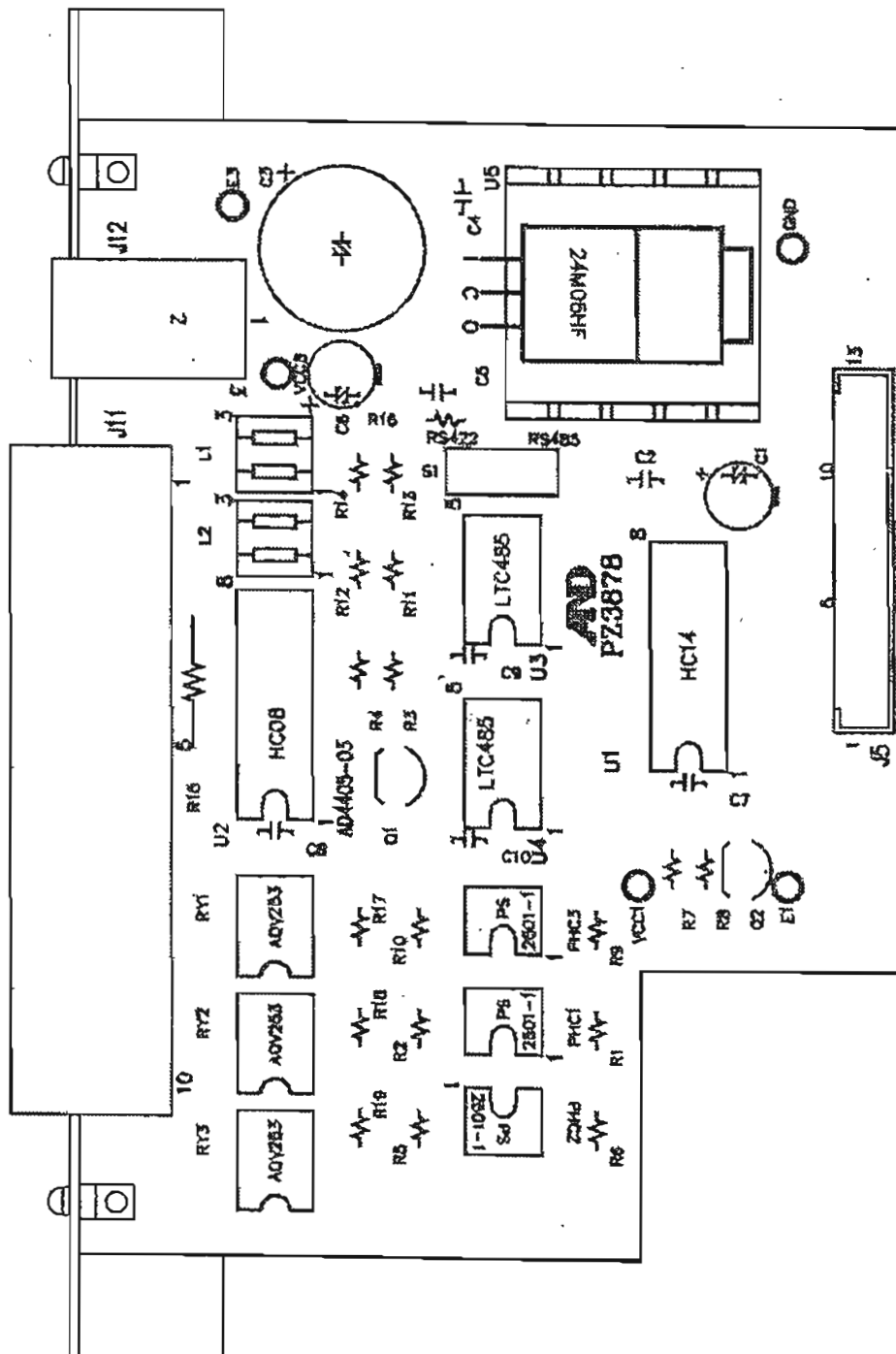


MODEL	AD-4406
DESCRIPTION	RS-422/485, RELAY BOARD
STOCK No.	7PZ+3878B
DRWG.No.	

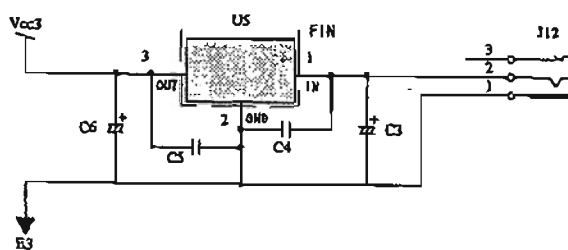
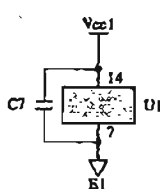
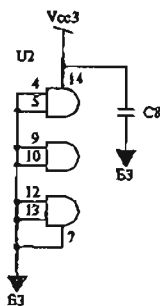
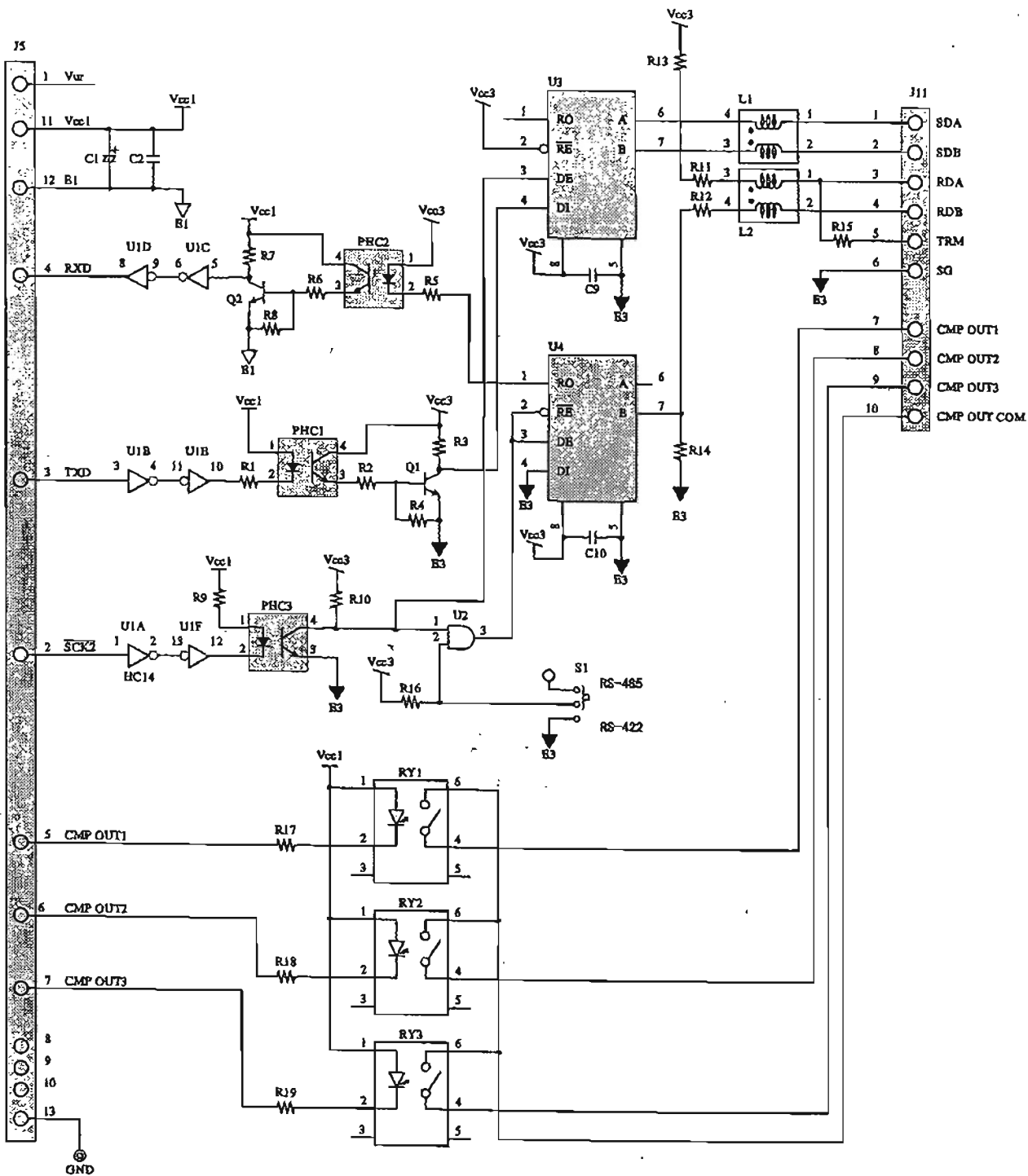




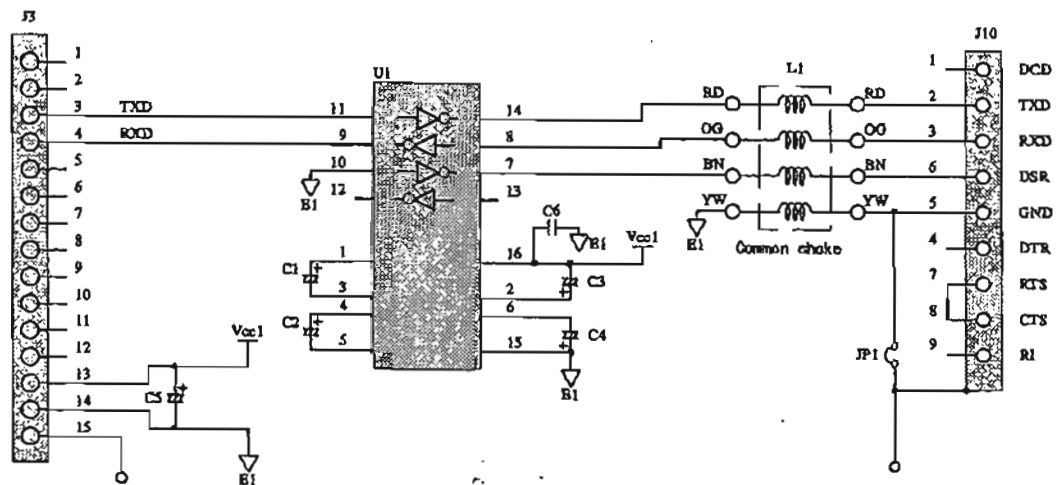
MODEL	AD-4406
DESCRIPTION	RS-422/485, RELAY BOARD
STOCK No.	7PZ+3878B
DRWG.No.	



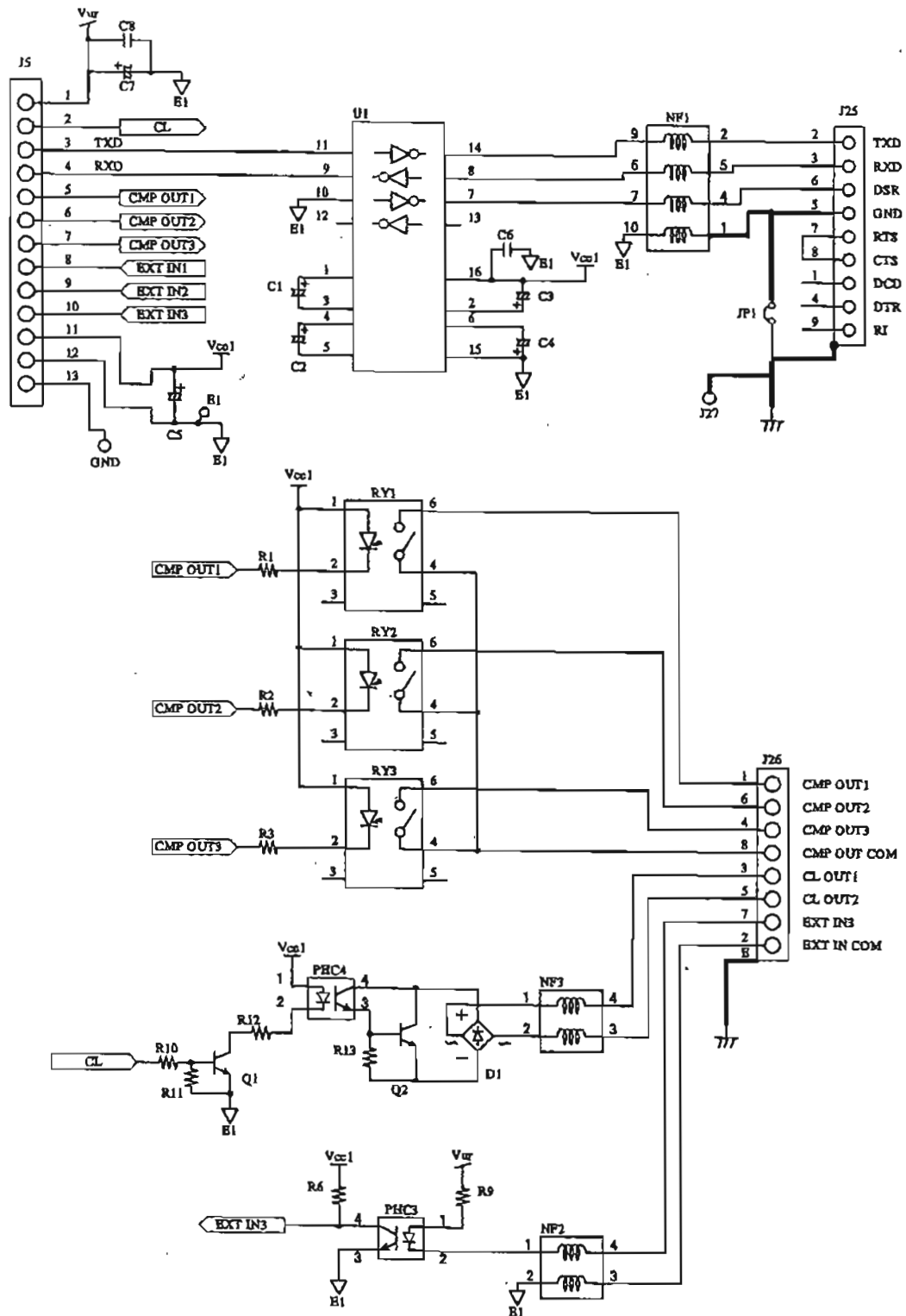
MODEL	AD-4405
DESCRIPTION	RS-422/485, RELAY BOARD
STOCK No.	7PZ+3878A
DRWG.No.	



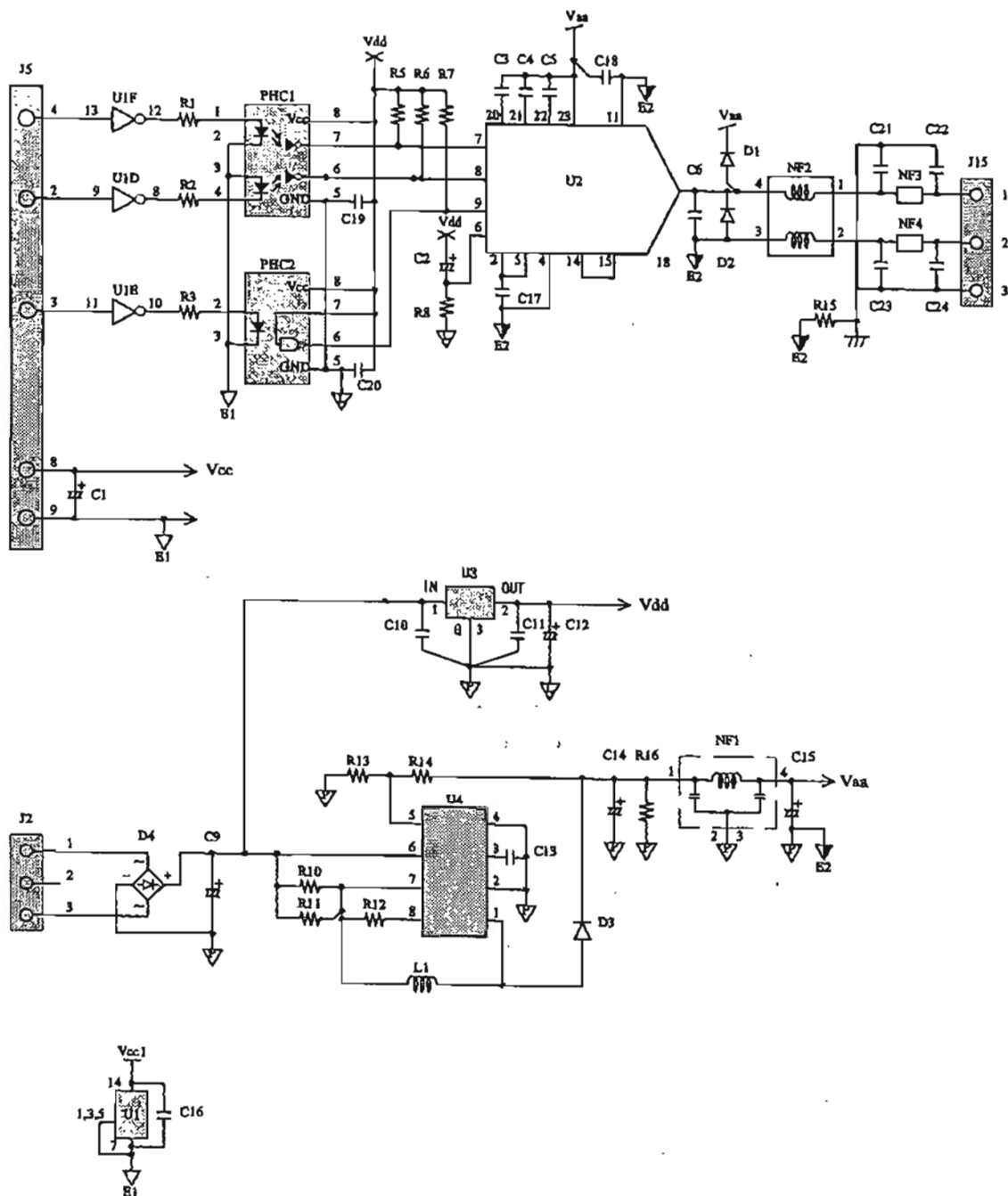
MODEL	AD-4405
DESCRIPTION	RS-422/485, RELAY BOARD
STOCK No.	7PZ+3878A
DRWG.No.	



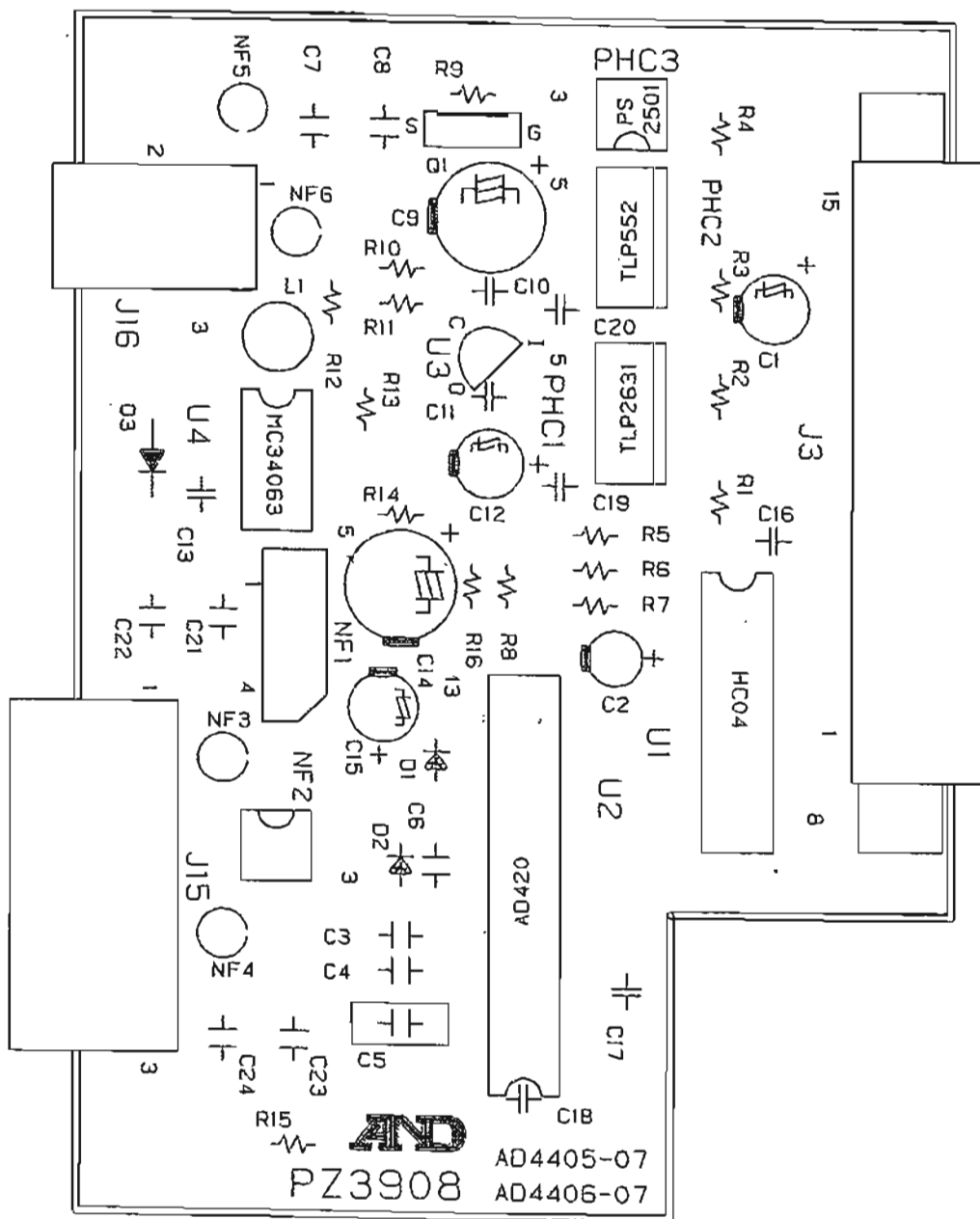
MODEL	AD-4406
DESCRIPTION	RS-232C BOARD
STOCK No.	7PZ+3877B
DRWG.No.	



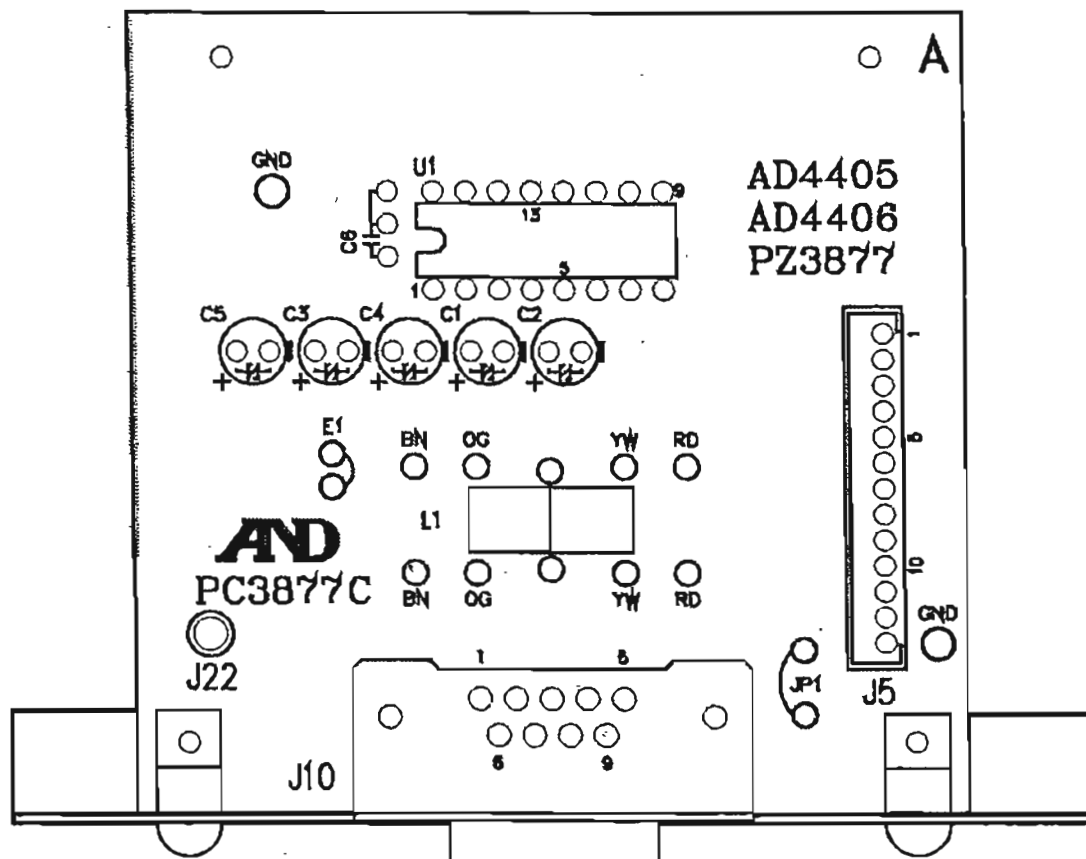
MODEL	AD-4405
DESCRIPTION	RS-232C + RELAY OUT + C.IN + C.L
STOCK No.	7PZ+4341A
DRWG.No.	



MODEL	AD-4407
DESCRIPTION	ANALOG OUTPUT BOARD
STOCK No.	7PZ+3909
DRWG.No.	

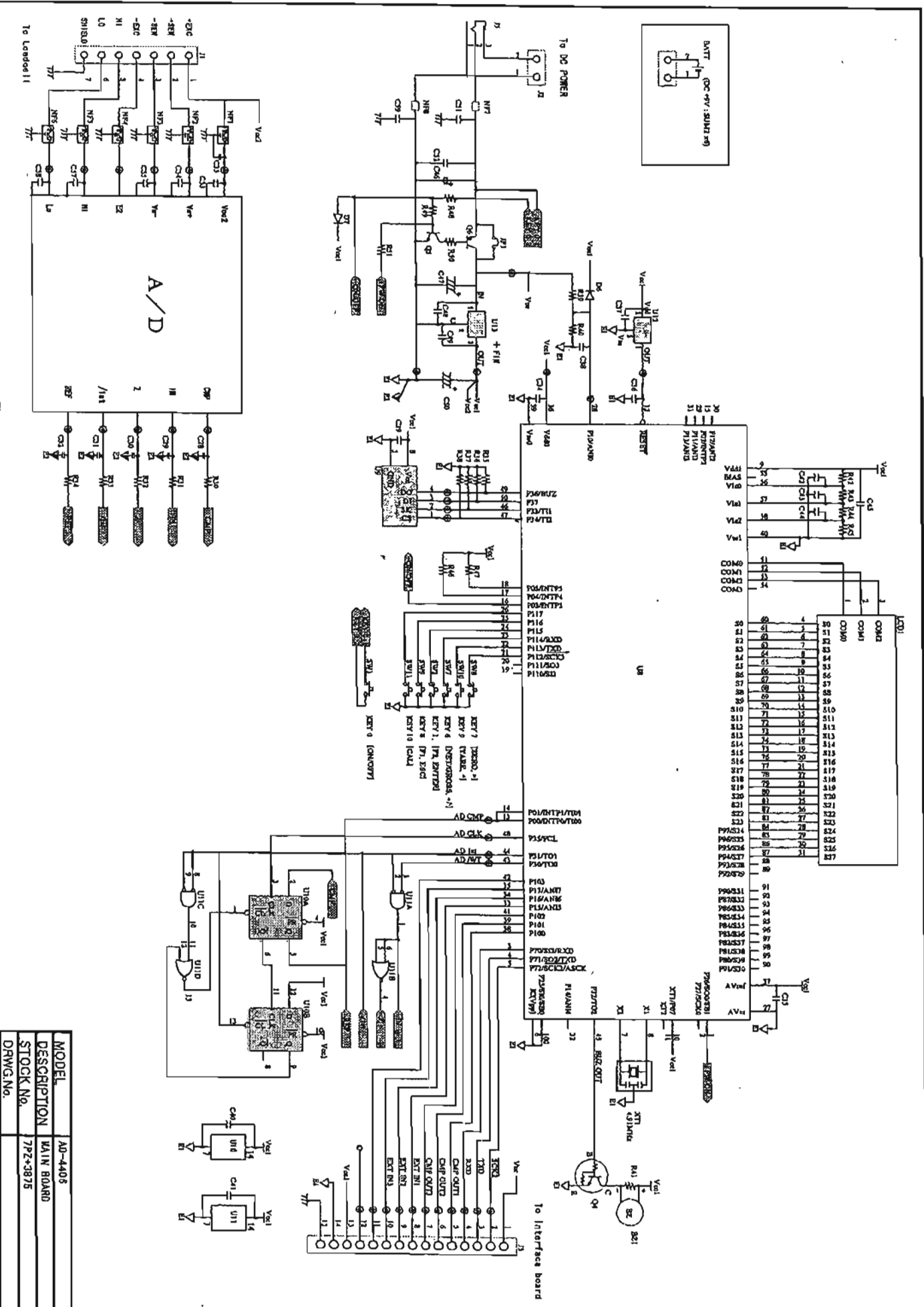


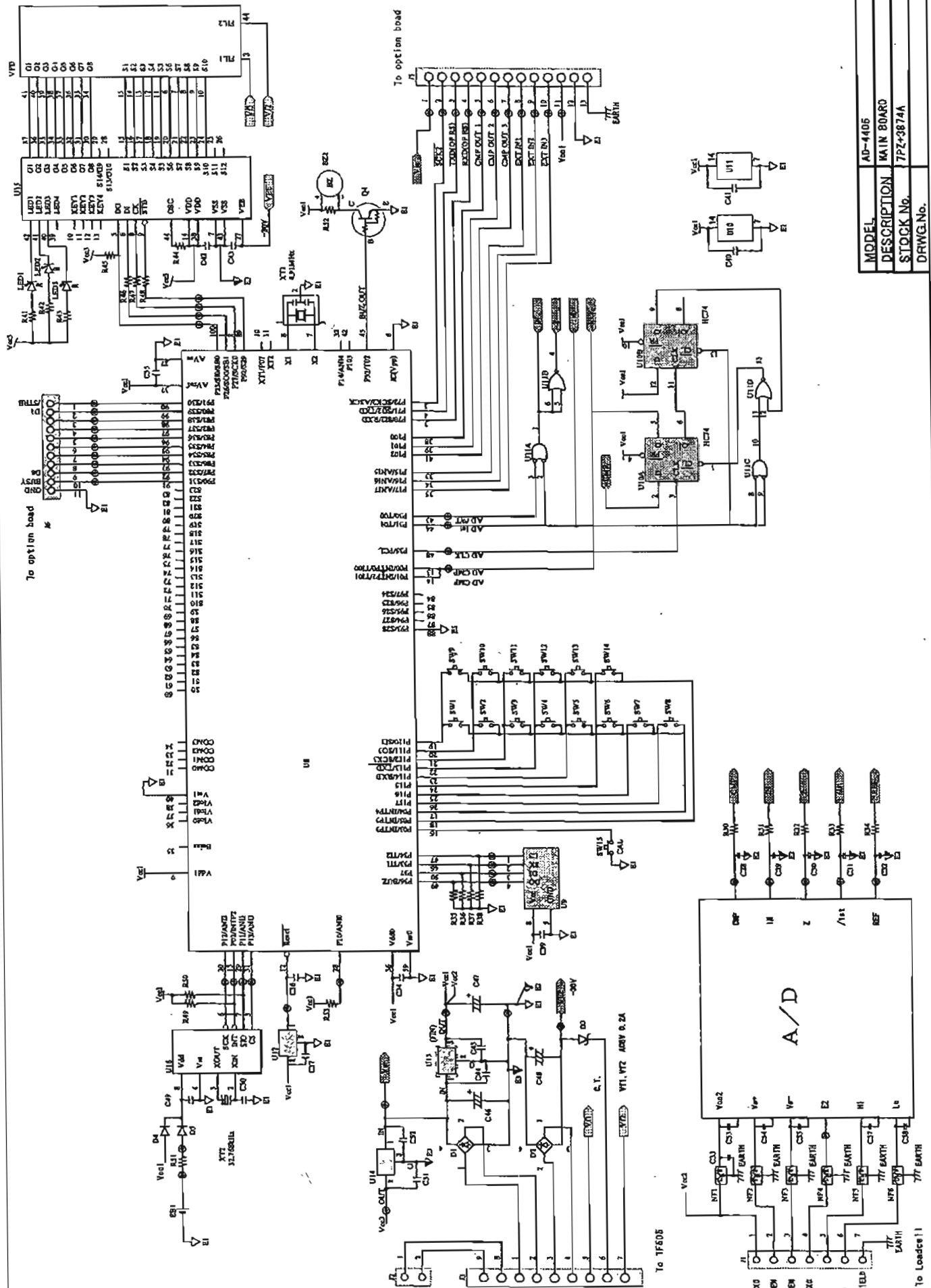
MODEL	AD-4405
DESCRIPTION	ANALOG OUTPUT BOARD
STOCK No.	7PZ+3908B
DRWG.No.	



MODEL	AD-4405
DESCRIPTION	RS-232C BOARD
STOCK No.	7PZ+3877A
DRWG.No.	



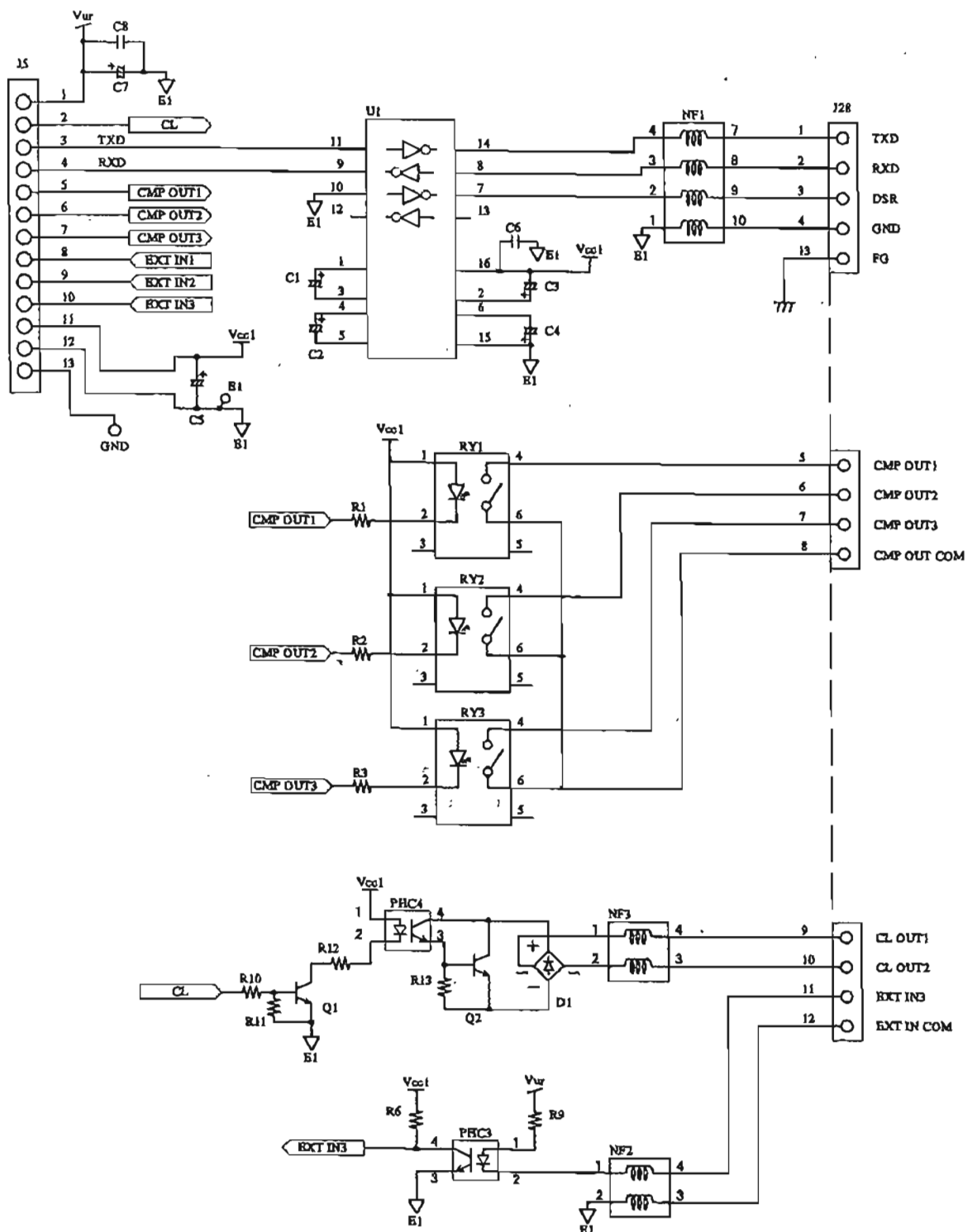




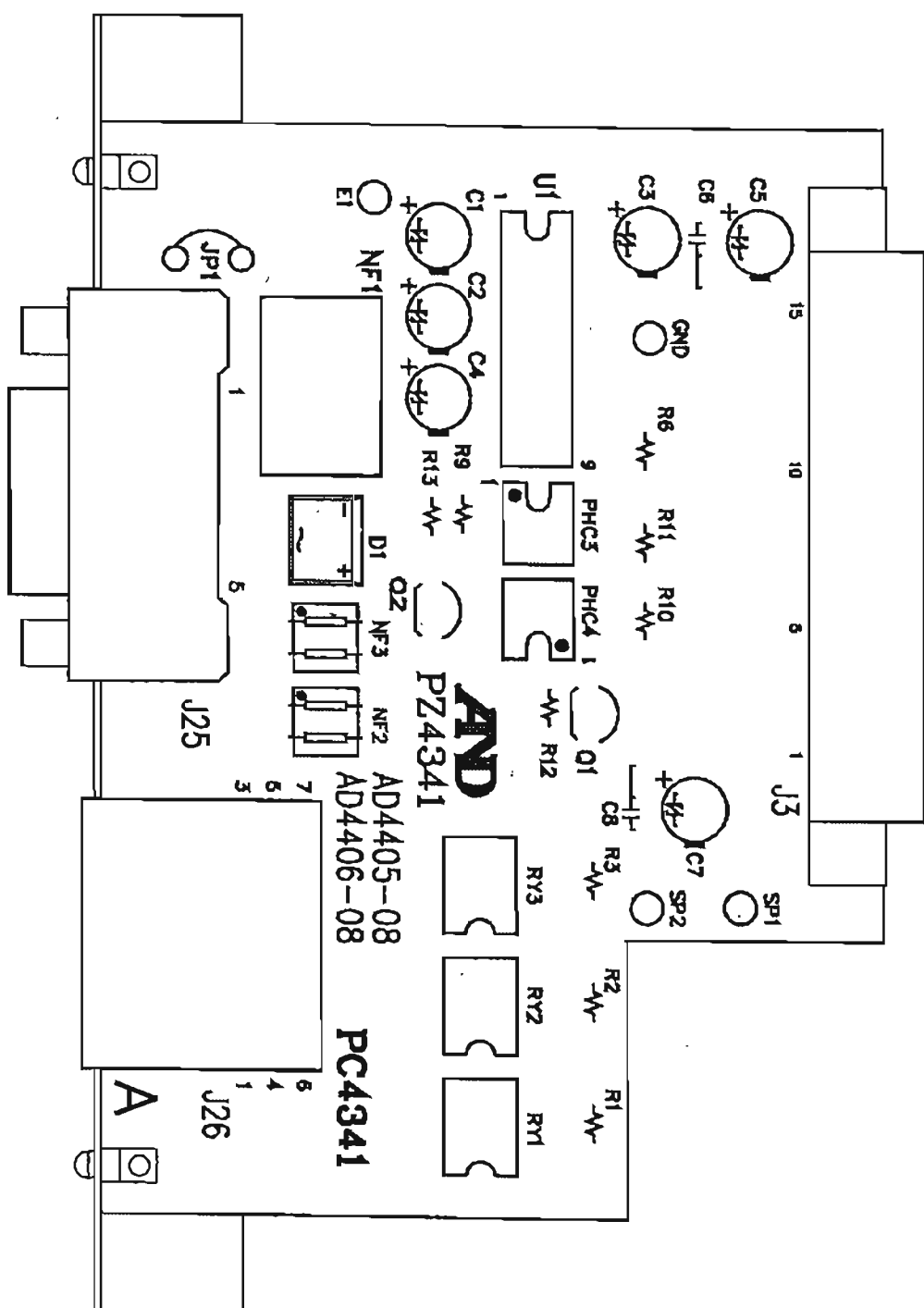
MODEL	AD-4405
DESCRIPTION	MAIN BOARD
STOCK NO.	7PZ-3874A
DRWG.No.	

# AD-4405/06/07 PCBs

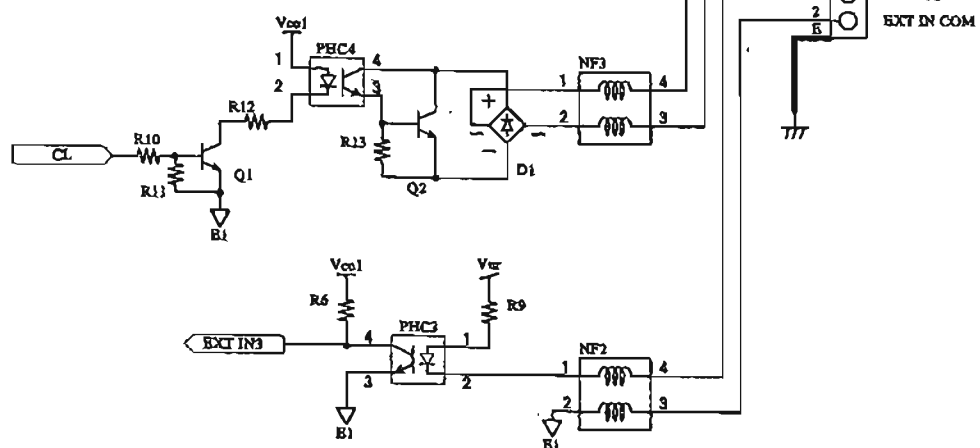
	Main Body		Interface	OP-03	OP-04	OP-05	OP-06	OP-07	OP-08
	Main Board	LC Conn.							
AD-4405	7PZ+3874A	---	RS-232C	RS-422/485	RS-232C	RS-232/RL	Printer	4-20mA	RS,CL,RL
AD-4406	7PZ+3875	---	---	7PZ+3878A	---	7PZ+3879A	7PZ+3881	7PZ+3908A	7PZ+4341A
AD-4407	7PZ+3874B	---	---	7PZ+3878B	7PZ+3877B	7PZ+3879B	---	7PZ+3908B	7PZ+4341B
			7PZ+3911	7PZ+3554A	---	7PZ+3880	---	7PZ+3909	7PZ+4342



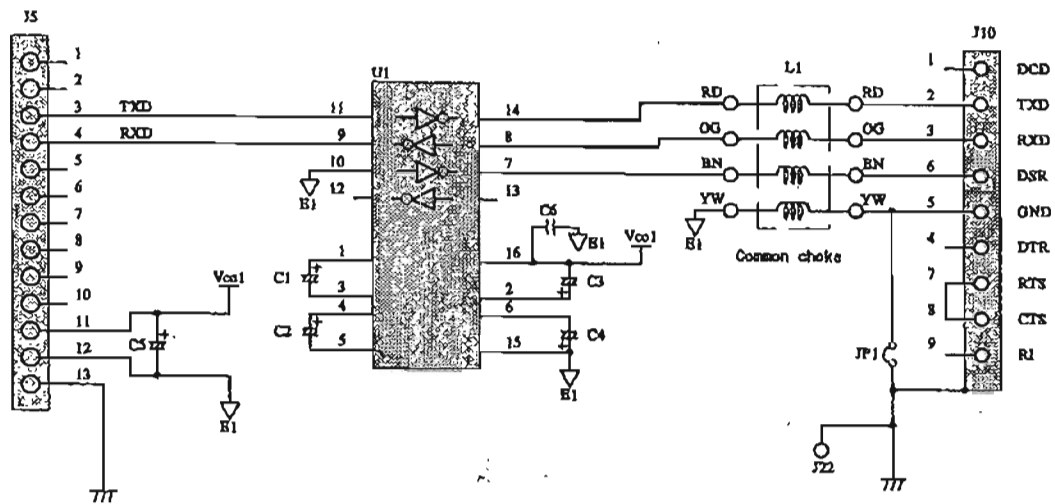
MODEL	AD-4407
DESCRIPTION	RS-232C + RELAY OUT + C.IN + C.L
STOCK No.	7PZ-4342
DRWG.No.	



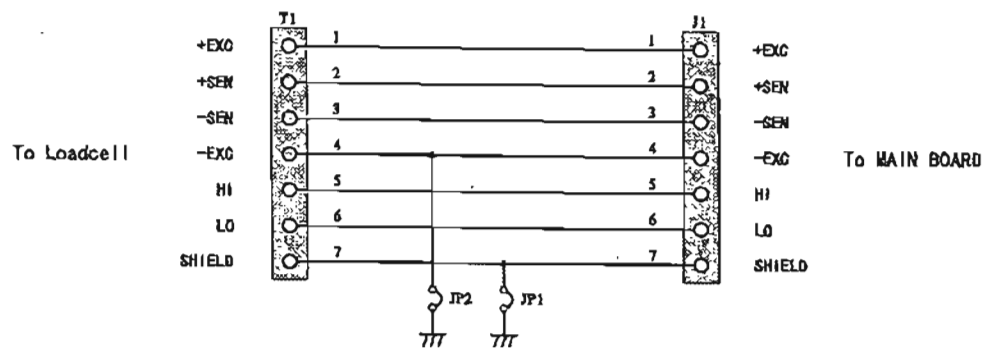
MODEL	AD-4406
DESCRIPTION	RS-232C, RELAY, C. IN, C.L. BOARD
STOCK No.	7PZ+4341B
DRWG.No.	



MODEL	AD-4406
DESCRIPTION	RS-232C + RELAY OUT + C.J.N + C.L
STOCK No.	7PZ+4341B
DRWG.No.	

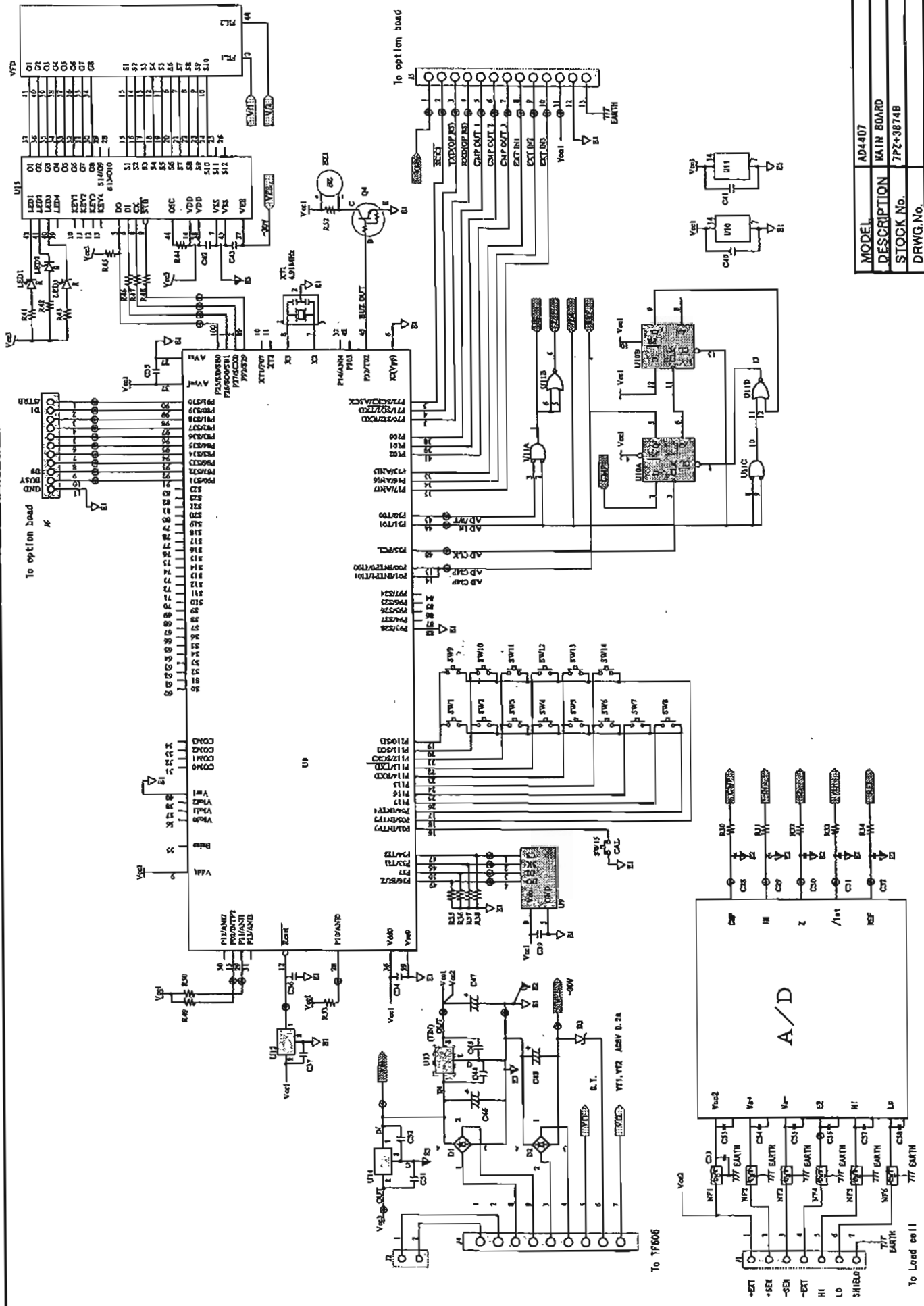


MODEL	AD-4405
DESCRIPTION	RS-232C BOARD
STOCK No.	7PZ+3877A
DRWG.No.	

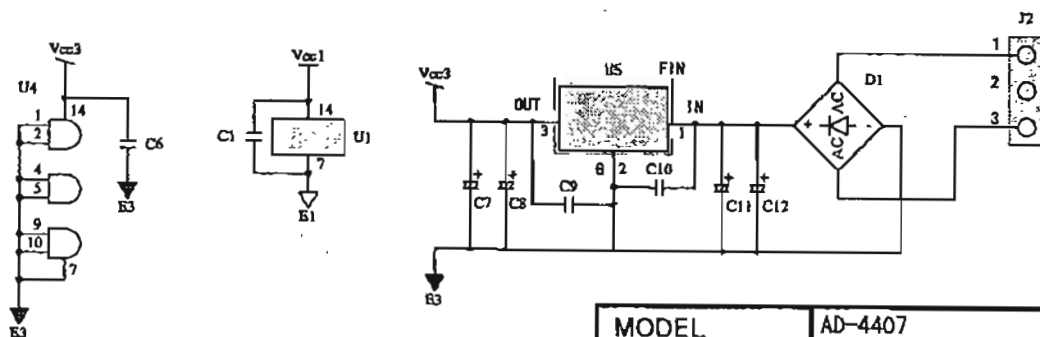
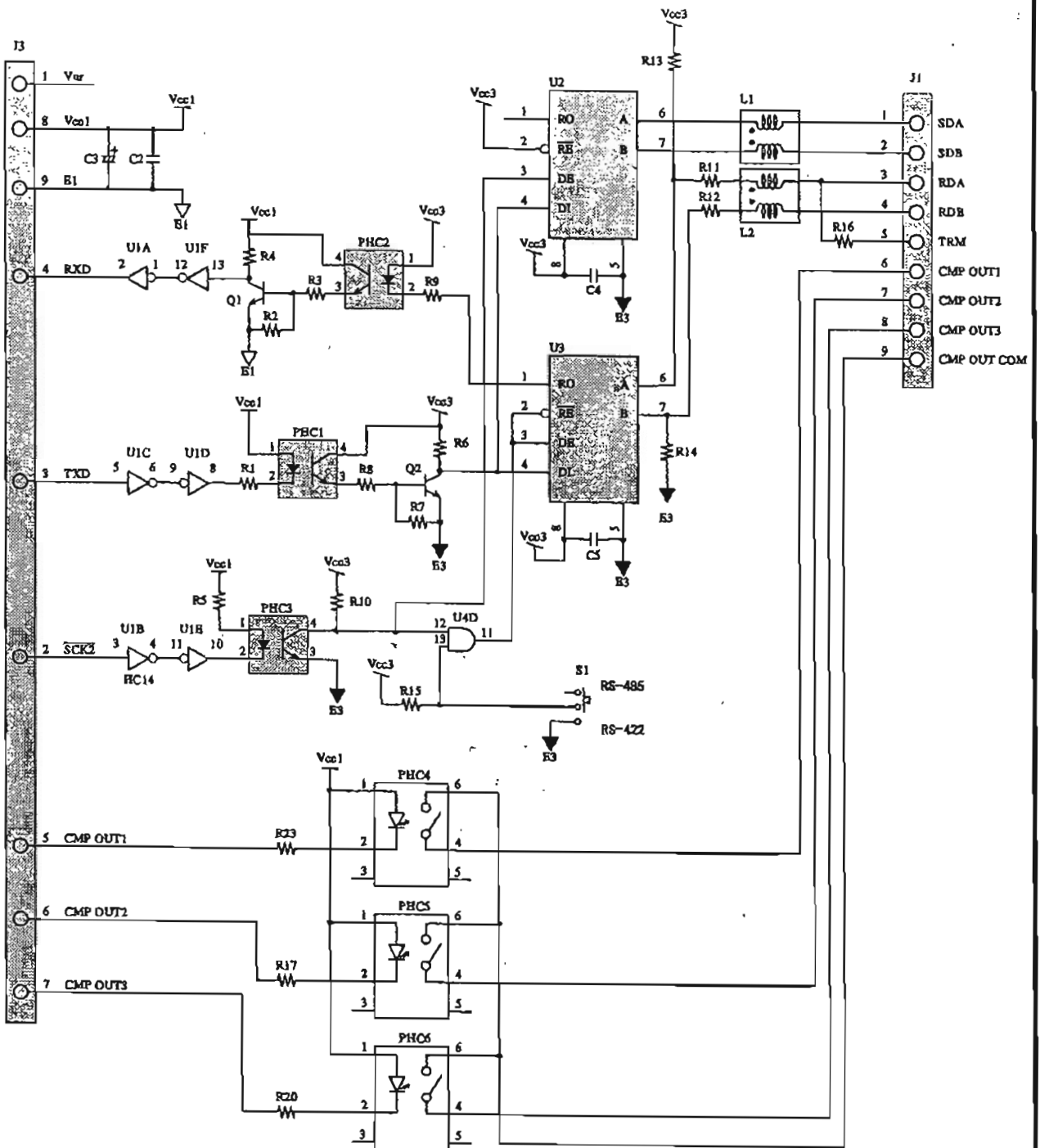


MODEL	AD-4407
DESCRIPTION	CONNECTION BOARD
STOCK No.	7PZ+3876
DRWG.No.	

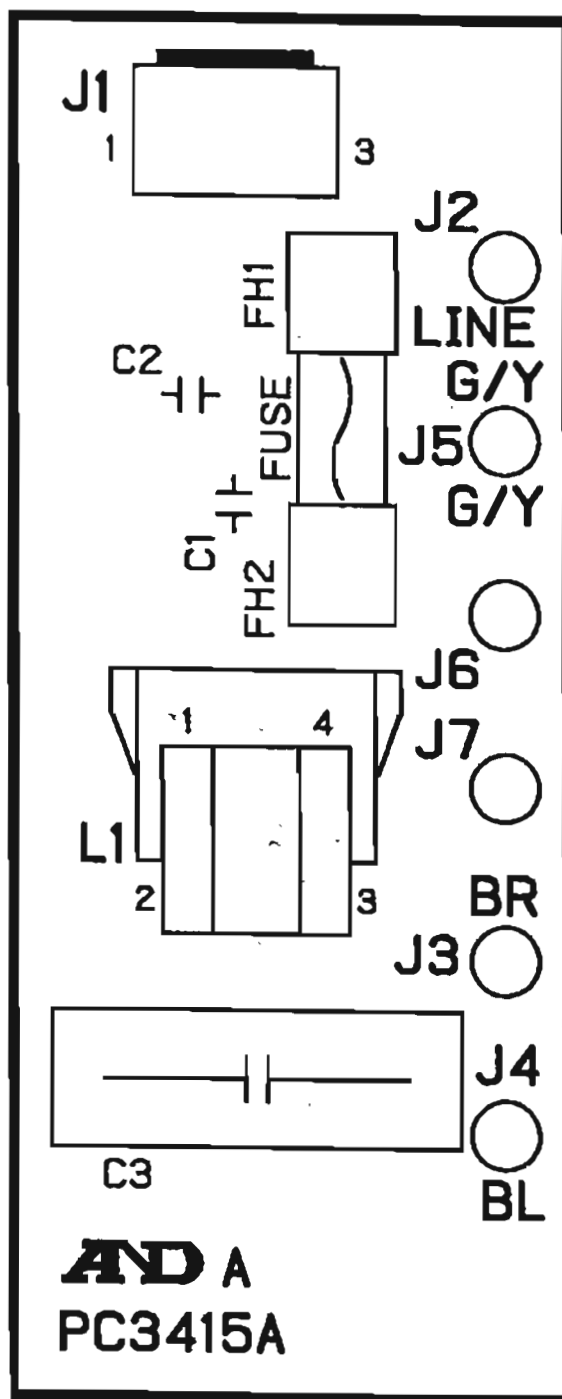




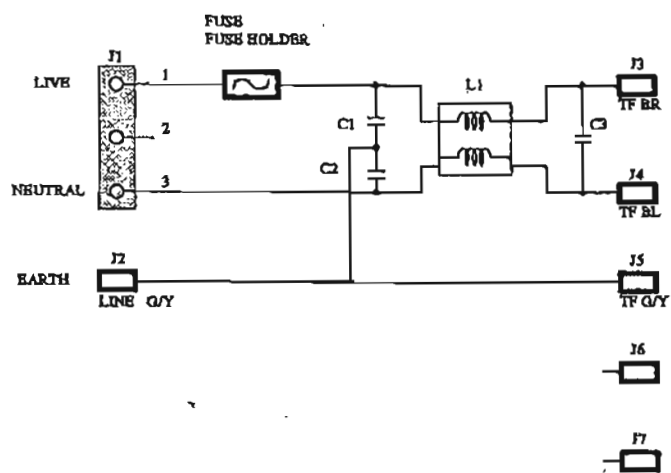
MODEL	AD4407
DESCRIPTION	MAIN BOARD
STOCK No.	7PZ-38748
DRWG.No.	



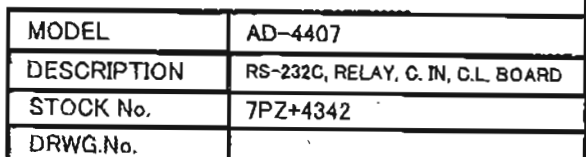
MODEL	AD-4407
DESCRIPTION	RS-422/485, RELAY BOARD
STOCK No.	7PZ+3554A
DRWG.No.	



MODEL	AD-4405/AD4407
DESCRIPTION	AC POWER BOARD
STOCK No.	7PZ+3415
DRWG.No.	



MODEL	AD-4405/AD4407
DESCRIPTION	AC POWER BOARD
STOCK No.	7PZ+3415
DRWG.No.	



MODEL	AD-4407
DESCRIPTION	RS-232C, RELAY, C. IN, C.L. BOARD
STOCK No.	7PZ+4342
DRWG.No.	

## AD-4406 PARTS LIST

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No.	Part No.	Part Name	Quantity
1	07+2000786	Front Case	1
2	07+1000268A	Rear Case	1
3	07+2000787	Sub Case	1
4	07+4012878	Filter	1
5	07+4012875	Battery Cover	1
6	07+4012876	Cal Cover	1
7	08+4012882	Cal Sheet	1
8	04+4012880	Slide Lock	2
9	04+4006942	Shield Case B	1
10	04+4006941	Shield Case A	1
11	04+C42583	Spring	2
12	04+4012879	Heat Sink	1
13	04+4012881	Lcd Sponji	2
14	10+DH-26-1-AD	Battery Case	1
15	08+3006047A	Key Sheet	1
16		(Reserved)	1
17	07+3006044-1	Blank Panel A	1
18		(Reserved)	1
19	04+3006045	Display Stand (Optional)	1
20	07+4012877	Knob 26 (Optional)	2
21	10+RB-416	Bumper Rubber (Optional)	4
a		M2.6 x 6 Screw	1
b		M2.6 Nut	1
c		M2.6 x 8 Pan Head Screw	9
d		M3 x 8 Double Sems Screw (S-Washer)	4
e		M3 x 6 Double Sems Screw (S-Washer)	4
f		M3 Nut	2
g		M3 x 8 Pan Head Screw	10
h		M4 x 12 Torus Screw	2
i		Nylon Washer (M4 Size)	2
j		Plane Washer (M6 Size) (Optional)	2
k		Soldering Lug	1

# 7PZ+3875 PARTS LIST

1/1

Circuit Symbol	Part No.	Part Name	Quantity
	PC+3875E	PRINTED WIRING BOARD	1
BZ1	ET+EFB-AA40D101	BUZZER	1
C28-32	CC+100P-C	CERAMIC CAPACITOR	5
C33-37	CC+0.1U25V-C	CERAMIC CAPACITOR	5
C38	CC+3P-C	CERAMIC CAPACITOR	1
C39-45	CC+0.1U25V-C	CERAMIC CAPACITOR	7
C46	CK+SME25VB330	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C47	CK+SME35VB1000	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C48,49	CC+0.1U25V-C	CERAMIC CAPACITOR	2
C50	CK+SME16VB33	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C51	CC+0.0033U1KV	CERAMIC CAPACITOR	1
C52	CC+0.001U-C	CERAMIC CAPACITOR	1
C53-58	CC+0.1U25V-C	CERAMIC CAPACITOR	6
C59	CC+0.0033U1KV	CERAMIC CAPACITOR	1
D1-5		(not installed)	
D6	DI+1SS97	SCHOTTKY BARRIER DIODE	1
D7	DI+1SS133	SWITCHING DIODE	1
J1	JI+7P-S2T2-EF	CONNECTOR	1
J2	JI+2P-S2T2-EF	CONNECTOR	1
J3	JI+CL581-0113-2	CONNECTOR	1
J4		(not installed)	
J5	JE+0486-01-010	POWER JACK	1
LCD1	ED+HT4096A-TRP1	LCD PANEL	1
NF1-6	NF+EXCCET102U	EMC FILTER	6
NF7,6	NF+ZBF253S-01	FERRITE BEADS	2
Q4	QT+FB1L3N-L	NPN TRANSISTOR	1
Q5	QT+C2712Y-C	NPN TRANSISTOR	1
Q6	QT+A1314B-C	PNP TRANSISTOR	1
R30-34	RC+1/10W101J	RESISTOR	5
R35-38	RC+1/10W103J	RESISTOR	4
R39,40	RC+1/10W473J	RESISTOR	2
R41	RC+1/10W681J	RESISTOR	1
R42	RC+1/10W123J	RESISTOR	1
R43-45	RC+1/10W682J	RESISTOR	3
R46,47	RC+1/10W103J	RESISTOR	2
R48	RC+1/10W333J	RESISTOR	1
R49	RC+1/10W393J	RESISTOR	1
R50,51	RC+1/10W183J	RESISTOR	2
R52,53		(not installed)	
SW1,2	SK+SKHHAK	TACT SWITCH	2
SW3-6		(not installed)	
SW7-11	SK+SKHHAK	TACT SWITCH	5
U8	UC+D780308GF081	8-BIT CPU	1
U9	UC+93C66LM8	EEPROM	1
U10	UC+HC74F	DUAL D FLIP-FLOP	1
U11	UC+HC02F	QUAD 2-INPUT NOR GATE	1
U12	UA+S-80845ALUP	VOLTAGE COMPARATOR	1
U13	UR+24M05HF	3-TERMINAL VOLTAGE REGULATOR	1
XT1	XT+KBR4.91MKSTF	CERAMIC RESONATOR	1
	04+4012879	HEAT SINK	1
	QA+AC256-1674	COOL SHEET	1
	06+4012881	LCD SPONJI	2
	04+4006941	SHIELD CASE(A)	1
	04+4006942	SHIELD CASE(B)	1
		M3x8 PAN HEAD SCREW + SPRING WASHER	2
		M3 NUT	2

# 7PZ+3878B PARTS LIST

1/1

Circuit Symbol	Part No.	Part Name	Quantity
	PC+3878	PRINTED WIRING BOARD	1
C1	CK+SME16VB100	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C2	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
C3	CK+SME16VB1000	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C4,5	CC+FK16Y5V1H104	CERAMIC CAPACITOR	2
C6	CK+SME10VB220	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C7-10	CC+FK16Y5V1H104	CERAMIC CAPACITOR	4
J3	JI+CL581-0109-5	CONNECTOR	1
J5		(not installed)	
J11	TM+SLA10/90	CONNECTOR TERMINAL	1
J12	EJ+0470-01-230	POWER JACK	1
L1,2	NF+ZJY51R5-2P	COMMON CHOKE COIL	2
PHC1-3	DF+PS2501-1L/K	PHOTO ISOLATOR	3
R1	RC+NAT820R	RESISTOR	1
R2	RC+NAT100R	RESISTOR	1
R3	RC+NAT4.7K	RESISTOR	1
R4	RC+NAT330R	RESISTOR	1
R5	RC+NAT820R	RESISTOR	1
R6	RC+NAT100R	RESISTOR	1
R7	RC+NAT4.7K	RESISTOR	1
R8	RC+NAT330R	RESISTOR	1
R9	RC+NAT1.8K	RESISTOR	1
R10-12	RC+NAT4.7K	RESISTOR	3
R13,14	RC+NAT47K	RESISTOR	2
R15	RC+1/2100R	RESISTOR 1/2W	1
R16	RC+NAT4.7K	RESISTOR	1
R17-19	RC+NAT1.5K	RESISTOR	3
RY1-3	DF+AQV253	PHOTO MOS RELAY	3
S1	SS+MM-1202N	SLIDE SWITCH	1
U1	UC+HC14	HEX SCHMITT INVERTER	1
U2	UC+HC08	QUAD 2-INPUT AND GATE	1
U3,4	UC+LTC485	RS-485 DRIVER/RECEIVER	2
U5	UR+24M05HF	VOLTAGE REGULATOR	1
	HT+6073PB	HEAT SINK	1
	QA+AC256-1674	COOL SHEET	1
	JI+360A2	RIGHT ANGLE	2
	D1+3006048	PANEL	1
		M3x10 PAN HEAD SCREW	1
		M3 NUT	1
		M2.6x4 PAN HEAD SCREW	4



# 7PZ+3877B PARTS LIST

1/1

Circuit Symbol	Part No.	Part Name	Quantity
	PC+3877C	PRINTED WIRING BOARD	1
C1-5	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	5
C6	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
J3	JI+CL581-0109-5	CONNECTOR	1
J5		(not installed)	
J10	JA+205A09M-BBC	D-SUB CONNECTOR	1
L1	LR+BFR120507ADK	FERRITE CORE	1
U1	UC+MAX232CPE	RS-232C DRIVER/RECEIVER	1
	D1+3006049	PANEL	1

# 7PZ+3879B PARTS LIST

1/1

Circuit Symbol	Part No.	Part Name	Quantity
	PC+3879B	PRINTED WRING BOARD	1
C1-5	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	5
C6	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
C7	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C8	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
J3	Jl+CL581-0109-5	CONNECTOR	1
J5		(not installed)	
J13	JA+205A09M-BBC	D-SUB CONNECTOR	1
J14	JA+4480-01-4151	DIN CONNECTOR	1
NF1,2	NF+D-42C	COMMON CHOKE COIL	2
PHC1-3	DF+PS2501-1L/K	PHOTO ISOLATOR	3
R1-3	RC+NAT1.5K	CARBON RESISTOR	3
R4-6	RC+NAT33K	CARBON RESISTOR	3
R7-9	RC+NAT680R	CARBON RESISTOR	3
RY1-3	DF+AQV253	PHOTO MOS RELAY	3
U1	UC+MAX232CPE	RS-232C DRIVER/RECEIVER	1
	Jl+360A2	RIGHT ANGLE	2
	D1+3006049	PANEL	1
		M2.6x4 PAN HEAD SCREW	4

# 7PZ+3908B PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3908	PRINTED WIRING BOARD	1
C1	CK+SRA10VB-47	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C2	CK+SRA50VB-3.3	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C3,4	CC+0.01U	CERAMIC CAPACITOR	2
C5	CM+ECQB1H332JF	POLYESTER FILM CAPACITOR	1
C6	CC+0.01U	CERAMIC CAPACITOR	1
C7,8	CC+0.0033U1KV	CERAMIC CAPACITOR	2
C9	CK+SME16VB220	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C10,11	CC+FK16Y5V1H104	CERAMIC CAPACITOR	2
C12	CK+SRA10VB-47	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C13	CC+0.001U	CERAMIC CAPACITOR	1
C14	CK+SXE25VB220	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C15	CK+SME25VB22	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C16-20	CC+FK16Y5V1H104	CERAMIC CAPACITOR	5
C21-24	CC+0.0033U1KV	CERAMIC CAPACITOR	4
D1,2	DI+1SS133	SWITCHING DIODE	2
D3	DI+SB10-03A2	SCHOTTKY BARRIER DIODE	1
J3	J1+CL581-0109-5	CONNECTOR	1
J5		(not installed)	
J15	TM+MSTB03GF	CONNECTOR TERMINAL	1
J16	EJ+0470-01-230	POWER JACK	1
L1	LL+ELF05SKI-221	INDUCTOR	1
NF1	NF+ZJK51R5-05	NOISE FILTER	1
NF2	NF+ZJY51R5-2P	COMMON CHOKE COIL	1
NF3-6	NF+ZBF253S-01	FERRITE BEAD	4
PHC1	DF+TLP2631	PHOTO ISOLATOR	1
PHC2	DF+TLP552	PHOTO ISOLATOR	1
PHC3	DF+PS2501-1L/K	PHOTO ISOLATOR	1
Q1	QF+K701	MOS FET	1
R1-3	RC+NAT680R	RESISTOR	3
R4	RC+NAT2.2K	RESISTOR	1
R5-7	RC+NAT1K	RESISTOR	3
R8,9	RC+NAT10K	RESISTOR	2
R10,11	RC+NAT1R	RESISTOR	2
R12	RC+NAT180R	RESISTOR	1
R13	RM+RNM3.3KF	METAL FILM RESISTOR	1
R14	RM+RNM36KF	METAL FILM RESISTOR	1
R15	RC+NAT1M	RESISTOR	1
R16	RC+NAT10K	RESISTOR	1
U1	UC+HC14	HEX SCHMITT INVERTER	1
U2	UF+AD420	16BIT DAC	1
U3	UR+TA78L005AP	VOLTAGE REGULATOR	1
U4	UR+MC34063AP1	SWITCHING REGULATOR	1
	J1+360A2	RIGHT ANGLE	2
	01+3006050A	PANEL	1
		M2.6x4 PAN HEAD SCREW	4

## 7PZ+4341B PARTS LIST

1/1

Circuit Symbol	Part No.	Part Name	Quantity
	PC+3879B	PRINTED WIRING BOARD	1
C1-5	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	5
C6	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
C7	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C8	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
D1	DI+1B4B42	BRIDGE DIODE	1
J3	J1+CL581-0109-5	CONNECTOR	1
J5		(not installed)	
J25	JA+205A09M-BBC	D-SUB CONNECTOR	1
J26	JA+4480-01-4151	DIN CONNECTOR	1
NF1	NF+D-42C	COMMON CHOKE COIL	1
NF2,3	NF+ZJY51R5-2P	COMMON CHOKE COIL	2
PHC3,4	DF+PS2501-1L/K	PHOTO ISOLATOR	2
Q1,2	QT+C1815Y	NPN TRANSISTOR	2
R1-3	RC+NAT1.5K	CARBON RESISTOR	3
R6	RC+NAT33K	CARBON RESISTOR	3
R9	RC+NAT680R	CARBON RESISTOR	3
R10	RC+NAT10K	CARBON RESISTOR	1
R11	RC+NAT4.7K	CARBON RESISTOR	1
R12	RC+NAT1.5K	CARBON RESISTOR	1
R13	RC+NAT680R	CARBON RESISTOR	1
RY1-3	DF+AQV253	PHOTO MOS RELAY	3
U1	UC+MAX232CPE	RS-232C DRIVER/RECEIVER	1
	J1+360A2	RIGHT ANGLE	2
	01+3007368	PANEL	1
		M2.6x4 PAN HEAD SCREW	4

# 7PZ+3874A PARTS LIST

1/2

Circuit Symbol	Part No.	Description	Quantity
	PC+3874D	PRINTED WIRING BOARD	1
BZ1	ET+EFB-AA40D101	BUZZER	1
C33-37	CC+0.1U25V-C	CERAMIC CAPACITOR	4
C38		(not installed)	
C39-45	CC+0.1U25V-C	CERAMIC CAPACITOR	7
C46	CK+SME35VB1000	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C47	CK+SME16VB33	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C48	CK+SME63VB100	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C49	CC+0.1U25V-C	CERAMIC CAPACITOR	1
C50	CC+5P-C	CERAMIC CAPACITOR	1
C51,52	CC+0.1U25V-C	CERAMIC CAPACITOR	2
C53-58	CC+0.001U-C	CERAMIC CAPACITOR	6
D1,2	DI+1B4B42	BRIDGE DIODE	2
D3	DZ+05Z6.8	ZENER DIODE	1
D4	DI+1SS97	SCHOTTKY BARRIER DIODE	1
D5	DI+1SS53	SCHOTTKY BARRIER DIODE	1
D6		(not installed)	
EB1	EB+CR2032-WT12	LITHIUM BATTERY	1
J1	JI+7P-S2T2-EF	CONNECTOR	1
J2	JI+2P-S3T2-E	CONNECTOR	1
J3	JT+171825-8	CONNECTOR	1
J4		(not installed)	
J5	JI+13P-S2T2-EF	CONNECTOR	1
J6	JI+11P-S2T2-EF	CONNECTOR	1
LED1	DL+GL8HD22	LED(RED)	1
LED2	DL+GL8EG22	LED(GREEN)	1
LED3	DL+GL8HD22	LED(RED)	1
NF1-6	NF+EXCCET102U	EMC FILTER	6
Q4	QT+FB1L3N-L	NPN TRANSISTOR	1
R30-34	RC+1/10W101J	RESISTOR	5
R35-38	RC+1/10W103J	RESISTOR	4
R39,40		(not installed)	
R41-43	RC+1/10W331J	RESISTOR	3
R44	RC+1/10W563J	RESISTOR	1
R45-50	RC+1/10W103J	RESISTOR	6
R51	RC+1/10W222J	RESISTOR	1
R52	RC+1/10W681J	RESISTOR	1
R53	RC+1/10W103J	RESISTOR	1
SW1-15	SK+EVQPAD07K	TACT SWITCH	15
U8	UC+D780308GF081	8-BIT CPU	1
U9	UC+93C86LM8	EEPROM	1
U10	UC+HC74F	DUAL D FLIP-FLOP	1
U11	UC+HC02F	QUAD 2-INPUT NOR GATE	1
U12	UA+S-8054ALR	VOLTAGE COMPARATOR	1
U13	UR+24M05HF	3-TERMINAL VOLTAGE REGULATOR	1
U14	UR+TA78L005AP	3-TERMINAL VOLTAGE REGULATOR	1
U15	UC+D16312GB-3B4	VFD CONTROLLER/DRIVER	1
U16	UC+S-3511AEFS	REAL TIME CLOCK MODULE	1
VFD	ED+CL1773G	VACUUM FLUORESCENT DISPLAY TUBE	1
XT1	XT+KBR4.91MKSTF	CERAMIC RESONATOR	1
XT2	XT+DS-VT-200	CRYSTAL OSCILLATOR	1
	DA+LM-4	LED SPACER	3
	HT+6073PB	HEAT SINK	1
	QA+AC256-1674	COOL SHEET	1
	06+B42081A	VFD PILLOW	2

7PZ+3874A PARTS LIST

2/2

	04+4006941	SHIELD CASE(A)	1
	04+4006942	SHIELD CASE(B)	1
		M3x8 PAN HEAD SCREW + SPRING WASHER	2
		M3 NUT	2

## 7PZ+3415 PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3415A	PRINTED WIRING BOARD	1
C1-2	CC+0.001u2KV	CERAMIC CAPASITOR	2
C3	CM+E2A104MW	POLYESTER FILM CAPACITOR	1
F	FS+EAWK-315MA	FUSE	1
FH	FH+85PN0819	FUSE HOLDER	2
J1	JT+LW1143-03ADK	CONNECTOR	1
J2	JT+YFW500-01ADK	TERMINAL PIN	1
J3-7	JT+61134-1	FASTON TAB	5
L1	LL+SU9H-05020	NOISE FILTER	1

## 7PZ+3877A PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3877C	PRINTED WIRING BOARD	1
C1-5	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	5
C6	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
J3		(not installed)	
J5	JI+13P-S2T2-EF	CONNECTOR	1
J10	JA+205A09M-BBC	D-SUB CONNECTOR	1
L1	LR+BFR120507ADK	FERRITE CORE	1
U1	UC+MAX232CPE	RS-232C DRIVER/RECEIVER	1
	01+3006131A	PANEL	1
		M2.6x4 PAN HEAD SCREW	2



## 7PZ+3878A PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3878	PRINTED WIRING BOARD	1
C1	CK+SME16VB100	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C2	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
C3	CK+SME16VB1000	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C4,5	CC+FK16Y5V1H104	CERAMIC CAPACITOR	2
C6	CK+SME10VB220	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C7-10	CC+FK16Y5V1H104	CERAMIC CAPACITOR	4
J3		(not installed)	
J5	Jl+13P-S2T2-EF	CONNECTOR	1
J11	TM+SLA10/90	CONNECTOR TERMINAL	1
J12	EJ+0470-01-230	POWER JACK	1
L1,2	NF+ZJY51R5-2P	COMMON CHOKE COIL	2
PHC1-3	DF+PS2501-1L/K	PHOTO ISOLATOR	3
R1	RC+NAT820R	RESISTOR	1
R2	RC+NAT100R	RESISTOR	1
R3	RC+NAT4.7K	RESISTOR	1
R4	RC+NAT330R	RESISTOR	1
R5	RC+NAT820R	RESISTOR	1
R6	RC+NAT100R	RESISTOR	1
R7	RC+NAT4.7K	RESISTOR	1
R8	RC+NAT330R	RESISTOR	1
R9	RC+NAT1.8K	RESISTOR	1
R10-12	RC+NAT4.7K	RESISTOR	3
R13,14	RC+NAT47K	RESISTOR	2
R15	RC+1/2100R	RESISTOR 1/2W	1
R16	RC+NAT4.7K	RESISTOR	1
R17-19	RC+NAT1.5K	RESISTOR	3
RY1-3	DF+AQV253	PHOTO MOS RELAY	3
S1	SS+MM-1202N	SLIDE SWITCH	1
U1	UC+HC14	HEX SCHMITT INVERTER	1
U2	UC+HC08	QUAD 2-INPUT AND GATE	1
U3,4	UC+LTC485	RS-485 DRIVER/RECEIVER	2
U5	UR+24M05HF	VOLTAGE REGULATOR	1
	HT+6073PB	HEAT SINK	1
	QA+AC256-1674	COOL SHEET	1
	Jl+360A2	RIGHT ANGLE	2
	01+3006389	PANEL	1
		M3x10 PAN HEAD SCREW	1
		M3 NUT	1
		M2.6x4 PAN HEAD SCREW	4

# 7PZ+3879A PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3879B	PRINTED WIRING BOARD	1
C1-5	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	5
C6	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
C7	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C8	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
J3		(not installed)	
J5	JI+13P-S2T2-EF	CONNECTOR	1
J13	JA+205A09M-BBC	D-SUB CONNECTOR	1
J14	JA+4480-01-4151	DIN CONNECTOR	1
J24	JT+61134-1	FASTON TAB	1
NF1,2	NF+D-42C	COMMON CHOKE COIL	2
PHC1-3	DF+PS2501-1L/K	PHOTO ISOLATOR	3
R1-3	RC+NAT1.5K	CARBON RESISTOR	3
R4-6	RC+NAT33K	CARBON RESISTOR	3
R7-9	RC+NAT680R	CARBON RESISTOR	3
RY1-3	DF+AQV253	PHOTO MOS RELAY	3
U1	UC+MAX232CPE	RS-232C DRIVER/RECEIVER	1
	JI+360A2	RIGHT ANGLE	2
	01+3005910B	PANEL	1
		M2.6x4 PAN HEAD SCREW	4

# 7PZ+3881 PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3881	PRINTED WIRING BOARD	1
C1	CC+0.001U	CERAMIC CAPACITOR	1
C2	CC+0.01U	CERAMIC CAPACITOR	1
C3	CM+V1H103JL	PORYESTER FILM CAPACITOR	1
C4	CT+1VR33	TANTALUM CAPACITOR	1
C5	CT+1V010	TANTALUM CAPACITOR	1
C6,7	CC+10P	CERAMIC CAPACITOR	2
C8	CC+100P	CERAMIC CAPACITOR	1
C9	CC+470P	CERAMIC CAPACITOR	1
C10	CC+0.001U	CERAMIC CAPACITOR	1
C11,12	CK+SME16VB3300	ALUMINIUM ELECTROLYTIC CAPACITOR	2
C13-18	CC+FK16Y5V1H104	CERAMIC CAPACITOR	6
C19	CK+SME16VB100	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C20,21	CC+FK18Y5V1H104	CERAMIC CAPACITOR	2
D1	DI+F14A	DIODE	1
D2	DI+D2S8A20	BRIDGE DIODE	1
D3	DI+F14A	DIODE	1
J2	J1+3P-S3T2-SA	CONNECTOR	1
J6	J1+11P-S2T2-EF	CONNECTOR	1
J18	J1+2P-S2T2-EF	CONNECTOR	1
J19	J1+11P-S2T2-EF	CONNECTOR	1
Q1	QT+A1015Y	PNP TRANSISTOR	1
Q2	QT+C3279	NPN TRANSISTOR	1
Q3	QT+A1020Y	PNP TRANSISTOR	1
Q4	QT+BA1F4M	NPN TRANSISTOR WITH RESISTOR	1
Q5	QT+C1815Y	NPN TRANSISTOR	1
R1	RC+NAT2.2K	RESISTOR	1
R2	RC+NAT560R	RESISTOR	1
R3,4	RC+NAT1K	RESISTOR	2
R5,6	RC+NAT5.6K	RESISTOR	2
R7	RC+NAT1K	RESISTOR	1
R8	RC+NAT10K	RESISTOR	1
R9	RC+NAT4.7K	RESISTOR	1
R10		(not installed)	1
R11	RC+NAT100R	RESISTOR	1
R12	RC+NAT4.7K	RESISTOR	1
R13-16	RC+NAT10K	RESISTOR	4
R17	RC+NAT4.7K	RESISTOR	1
R18	RC+NAT1K	RESISTOR	1
RA1	RN+IHR-8-472MA	NETWORK RESISTOR	1
RA2	RN+IHR-8-103MA	NETWORK RESISTOR	1
U1	UC+HC04	HEX INVERTER	1
U2	UA+MT8001	DRIVER	1
U3	UC+TMP93PS40-PR	16BIT CPU	1
U4	UA+M51853BL	RESET IC	1
U5	UC+HC00	QUAD 2-INPUT NAND GATE	1
U6	UC+HC574	OCTAL D FLIP-FLOP	1
U7	UR+SI-3052V	VOLTAGE REGULATOR	1
XT	XT+AT51-20.000M	CRYSTAL OSCILLATOR	1
	KO+964-11W015	CABLE	1
	KO+2295-015	CABLE	1
6		M3x8 SCREW With SPRING WASHER ,PLANE WA	6
7		M3x6 SCREW With SPRING WASHER ,PLANE WA	2
8		M3x10 SCREW With SPRING WASHER ,PLANE W	5

## 7PZ+3908A PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3908	PRINTED WIRING BOARD	1
C1	CK+SRA10VB-47	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C2	CK+SRA50VB-3.3	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C3,4	CC+0.01U	CERAMIC CAPACITOR	2
C5	CM+ECQB1H332JF	POLYESTER FILM CAPACITOR	1
C6	CC+0.01U	CERAMIC CAPACITOR	1
C7,8	CC+0.0033U1KV	CERAMIC CAPACITOR	2
C9	CK+SME16VB220	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C10,11	CC+FK16Y5V1H104	CERAMIC CAPACITOR	2
C12	CK+SRA10VB-47	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C13	CC+0.001U	CERAMIC CAPACITOR	1
C14	CK+SXE25VB220	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C15	CK+SME25VB22	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C16-20	CC+FK16Y5V1H104	CERAMIC CAPACITOR	5
C21-24	CC+0.0033U1KV	CERAMIC CAPACITOR	4
D1,2	DI+1SS133	SWITCHING DIODE	2
D3	DI+SB10-03A2	SCHOTTKY BARRIER DIODE	1
J3		(not installed)	
J5	J1+13P-S2T2-EF	CONNECTOR	1
J15	TM+MSTB03GF	CONNECTOR TERMINAL	1
J16	EJ+0470-01-230	POWER JACK	1
L1	LL+ELF05SKI-221	INDUCTOR	1
NF1	NF+ZJK51R5-05	NOISE FILTER	1
NF2	NF+ZJY51R5-2P	COMMON CHOKE COIL	1
NF3-6	NF+ZBF253S-01	FERRITE BEAD	4
PHC1	DF+TLP2631	PHOTO ISOLATOR	1
PHC2	DF+TLP552	PHOTO ISOLATOR	1
PHC3	DF+PS2501-1L/K	PHOTO ISOLATOR	1
Q1	QF+K701	MOS FET	1
R1-3	RC+NAT680R	RESISTOR	3
R4	RC+NAT2.2K	RESISTOR	1
R5-7	RC+NAT1K	RESISTOR	3
R8,9	RC+NAT10K	RESISTOR	2
R10,11	RC+NAT1R	RESISTOR	2
R12	RC+NAT180R	RESISTOR	1
R13	RM+RNM3.3KF	METAL FILM RESISTOR	1
R14	RM+RNM35KF	METAL FILM RESISTOR	1
R15	RC+NAT1M	RESISTOR	1
R16	RC+NAT10K	RESISTOR	1
U1	UC+HC14	HEX SCHMITT INVERTER	1
U2	UF+AD420	16BIT DAC	1
U3	UR+TA78L005AP	VOLTAGE REGULATOR	1
U4	UR+MC34063AP1	SWITCHING REGULATOR	1
	J1+360A2	RIGHT ANGLE	2
	01+3005911A	PANEL	1
		M2.5x4 PAN HEAD SCREW	4

## 7PZ+4341A PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+4341	PRINTED WIRING BOARD	1
C1-5	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	5
C6	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
C7	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C8	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
D1	DI+1B4B42	BRIDGE DIODE	1
J3		(not installed)	
J5	JI+13P-S2T2-EF	CONNECTOR	1
J25	JA+205A09M-BBC	D-SUB CONNECTOR	1
J26	JA+4480-01-4151	DIN CONNECTOR	1
J27	JT+61134-1	FASTON TAB	1
NF1	NF+D-42C	COMMON CHOKE COIL	1
NF2,3	NF+ZJY51R5-2P	COMMON CHOKE COIL	2
PHC3,4	DF+PS2501-1L/K	PHOTO ISOLATOR	2
Q1,2	QT+C1815Y	NPN TRANSISTOR	2
R1-3	RC+NAT1.5K	CARBON RESISTOR	3
R6	RC+NAT33K	CARBON RESISTOR	1
R9	RC+NAT680R	CARBON RESISTOR	1
R10	RC+NAT10K	CARBON RESISTOR	1
R11	RC+NAT4.7K	CARBON RESISTOR	1
R12	RC+NAT1.5K	CARBON RESISTOR	1
R13	RC+NAT680R	CARBON RESISTOR	1
RY1-3	DF+AQV253	PHOTO MOS RELAY	3
U1	UC+MAX232CPE	RS-232C DRIVER/RECEIVER	1
	JI+360A2	RIGHT ANGLE	2
	01+3007367	PANEL	1
		M2.6x4 PAN HEAD SCREW	4

# 7PZ+3874B PARTS LIST

1/2

Circuit Symbol	Part No.	Description	Quantity
	PC+3874D	PRINTED WIRING BOARD	1
BZ1	ET+EFB-AA40D101	BUZZER	1
C28-32	CC+100P-C	CERAMIC CAPACITOR	5
C33-37	CC+0.1U25V-C	CERAMIC CAPACITOR	4
C38		(not installed)	
C39-45	CC+0.1U25V-C	CERAMIC CAPACITOR	7
C46	CK+SME35VB1000	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C47	CK+SME16VB33	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C48	CK+SME63VB100	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C49	CC+0.1U25V-C	CERAMIC CAPACITOR	1
C50	CC+5P-C	CERAMIC CAPACITOR	1
C51,52	CC+0.1U25V-C	CERAMIC CAPACITOR	2
C53-58	CC+0.001U-C	CERAMIC CAPACITOR	6
D1,2	DI+1B4B42	BRIDGE DIODE	2
D3	DZ+05Z6,8	ZENER DIODE	1
D4		(not installed)	
D5		(not installed)	
D6		(not installed)	
EB1		(not installed)	
J1	JI+7P-S2T2-EF	CONNECTOR	1
J2	JI+2P-S3T2-E	CONNECTOR	1
J3		(not installed)	
J4	JT+171825-9	CONNECTOR	1
J5	JI+13P-S2T2-EF	CONNECTOR	1
J6		(not installed)	
LED1	DL+GL8HD22	LED(RED)	1
LED2	DL+GL8EG22	LED(GREEN)	1
LED3	DL+GL8HD22	LED(RED)	1
NF1-6	NF+EXCCET102U	EMC FILTER	6
Q4	QT+FB1L3N-L	NPN TRANSISTOR	1
R30-34	RC+1/10W101J	RESISTOR	5
R35-38	RC+1/10W103J	RESISTOR	4
R39,40		(not installed)	
R41-43	RC+1/10W331J	RESISTOR	3
R44	RC+1/10W563J	RESISTOR	1
R45-50	RC+1/10W103J	RESISTOR	6
R51	RC+1/10W222J	RESISTOR	1
R52	RC+1/10W681J	RESISTOR	1
R53	RC+1/10W103J	RESISTOR	1
SW1-15	SK+EVQPAD07K	TACT SWITCH	15
U8	UC+D780308GF081	8-BIT CPU	1
U9	UC+93C66LM8	EEPROM	1
U10	UC+HC74F	DUAL D FLIP-FLOP	1
U11	UC+HC02F	QUAD 2-INPUT NOR GATE	1
U12	UA+S-8054ALR	VOLTAGE COMPARATOR	1
U13	UR+24M05HF	3-TERMINAL VOLTAGE REGULATOR	1
U14	UR+TA78L005AP	3-TERMINAL VOLTAGE REGULATOR	1
U15	UC+D16312GB-3B4	VFD CONTROLLER/DRIVER	1
U16		(not installed)	
VFD	ED+CL1773G	VACUUM FLUORESCENT DISPLAY TUBE	1
XT1	XT+KBR4.91MKSTF	CERAMIC RESONATOR	1
XT2		(not installed)	
	DA+LM-4	LED SPACER	3
	HT+6073PB	HEAT SINK	1
	QA+AC256-1674	COOL SHEET	1

# 7PZ+3874B PARTS LIST

2/2

	06+B42081A	VFD PILLOW	2
	04+4006941	SHIELD CASE(A)	1
	04+4006942	SHIELD CASE(B)	1
		M3x8 PAN HEAD SCREW + SPRING WASHER	2
		M3 NUT	2

# 7PZ+3876 PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3876	PRINTED WIRING BOARD	1
J1	J1+7P-S2T2-EF	CONNECTOR	1
T1	TM+BR-7623C-7P	TERMINAL BLOCK	1



# 7PZ+3415 PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3415A	PRINTED WIRING BOARD	1
C1-2	CC+0.001u2KV	CERAMIC CAPASITOR	2
C3	CM+E2A104MW	POLYESTER FILM CAPACITOR	1
F	FS+EAWK-315MA	FUSE	1
FH	FH+85PN0819	FUSE HOLDER	2
J1	JT+LW1143-03ADK	CONNECTOR	1
J2	JT+YFW500-01ADK	TERMINAL PIN	1
J3-7	JT+61134-1	FASTON TAB	5
L1	LL+SU9H-05020	NOISE FILTER	1

# 7PZ+3911 PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3911	PRINTED WIRING BOARD	1
C1-5	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	5
C6	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
J21	JI+13P-S2T2-EF	CONNECTOR	1
J10	TM+BR-5001C5P	SCREWLESS TERMINAL	1
L1	LR+BFR120507ADK	FERRITE CORE	1
U1	UC+MAX232CPE	RS-232C DRIVER/RECEIVER	1

# 7PZ+3554A PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3554A	PRINTED WIRING BOARD	1
C1,2	CC+0.1U25V	CERAMIC CAPACITOR	2
C3	CK+SME16VB100	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C4-6	CC+0.1U25V	CERAMIC CAPACITOR	3
C7	CK+SME16VB100	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C8	CT+1D2R2	TANTALUM CAPACITOR	1
C9,10	CC+0.1U25V	CERAMIC CAPACITOR	2
C11	CT+1V010	TANTALUM CAPACITOR	1
C12	CK+SME25VB2200	ALUMINIUM ELECTROLYTIC CAPACITOR	1
D1	DI+1B4B42	BRIDGE DIODE	1
J1	TM+SLA9/90	CONNECTOR TERMINAL	1
J2	JI+3P-S3T2-SA	CONNECTOR	1
J3	JI+09P-S2T2-EF	CONNECTOR	1
L1,2	NF+ZJY51R5-2P	COMMON CHOKE COIL	2
PHC1-3	OF+PS2501-1L/K	PHOTO ISOLATOR	3
PHC4-6	DF+AQV253	PHOTO MOS RELAY	3
Q1,2	QT+C1815Y	NPN TRANSISTOR	2
R1	RC+NAT820R	RESISTOR	1
R2	RC+NAT330R	RESISTOR	1
R3	RC+NAT100R	RESISTOR	1
R4	RC+NAT4.7K	RESISTOR	1
R5	RC+NAT1.8K	RESISTOR	1
R6	RC+NAT4.7K	RESISTOR	1
R7	RC+NAT330R	RESISTOR	1
R8	RC+NAT100R	RESISTOR	1
R9	RC+NAT820R	RESISTOR	1
R10-12	RC+NAT4.7K	RESISTOR	3
R13,14	RC+NAT47K	RESISTOR	2
R15	RC+NAT4.7K	RESISTOR	1
R16	RC+100R	RESISTOR	1
R17	RC+NAT1.5K	RESISTOR	1
R18,19		(not installed)	
R20	RC+NAT1.5K	RESISTOR	1
R21,22		(not installed)	
R23	RC+NAT1.5K	RESISTOR	1
R24,25		(not installed)	
S1	SS+MM-1202N	SLIDE SWITCH	1
U1	UC+HC14	HEX SCHMITT INVERTER	1
U2,3	UC+LTC485	RS-485 DRIVER/RECEIVER	2
U4	UC+HC08	QUAD 2-INPUT AND GATE	1
U5	UR+24M05HF	VOLTAGE REGULATOR	1
	HT+6073PB	HEAT SINK	1
	QA+AC256-1674	COOL SHEET	1
		M3x10 PAN HEAD SCREW	1
		M3 NUT	1
	KO+2295-015	CABLE	1
	KO+2296-020	CABLE	1

## 7PZ+3880 PARTS LIST

1/1

Circuit Symbol	Part No.	Description	Quantity
	PC+3880	PRINTED WIRING BOARD	1
C1-5	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	5
C6	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
C7	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C8	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
J5	JI+13P-S2T2-EF	CONNECTOR	1
J20	TM+ML-800S1V-13	SCREWLESS TERMINAL	1
NF1,2	NF+D-42C	COMMON CHOKE COIL	2
PHC1-3	DF+PS2501-1L/K	PHOTO ISOLATOR	3
R1-3	RC+NAT1.5K	CARBON RESISTOR	3
R4-6	RC+NAT33K	CARBON RESISTOR	3
R7-9	RC+NAT680R	CARBON RESISTOR	3
RY1-3	DF+AQV253	PHOTO MOS RELAY	3
U1	UC+MAX232CPE	RS-232C DRIVER/RECEIVER	1

# 7PZ+3909 PARTS LIST

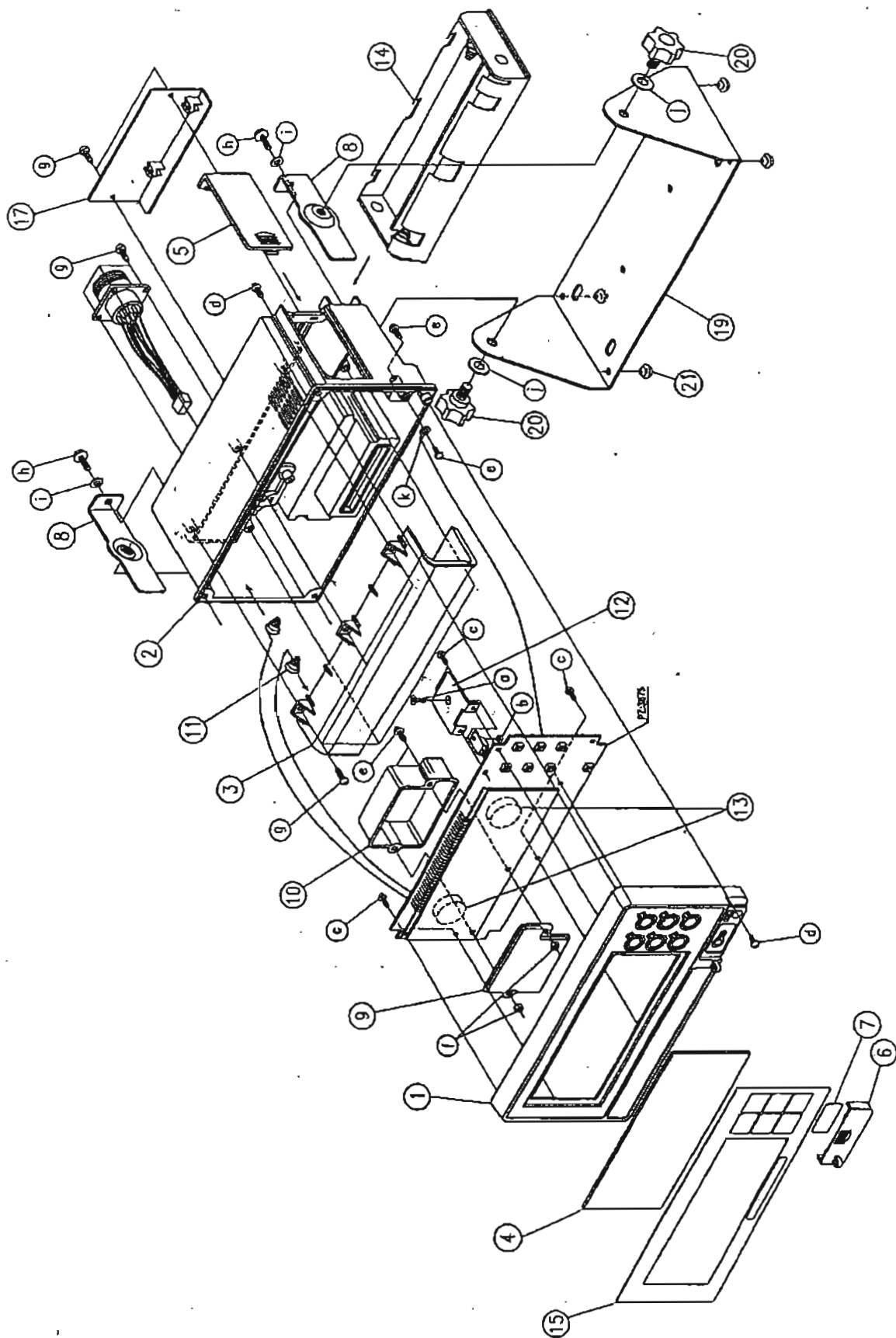
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Circuit Symbol	Part No.	Description	Quantity
	PC+3909	PRINTED WIRING BOARD	1
C1	CK+SRA10VB-47	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C2	CK+SRA50VB-3.3	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C3,4	CC+0.01U	CERAMIC CAPACITOR	2
C5	CM+ECQB1H332JF	POLYESTER FILM CAPACITOR	1
C6	CC+0.01U	CERAMIC CAPACITOR	1
C9	CK+SME25VB2200	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C10,11	CC+FK16Y5V1H104	CERAMIC CAPACITOR	2
C13	CC+0.001U	CERAMIC CAPACITOR	1
C14	CK+SXE25VB220	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C15	CK+SME25VB22	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C16-20	CC+FK16Y5V1H104	CERAMIC CAPACITOR	5
C21-24	CC+0.0033U1KV	CERAMIC CAPACITOR	4
D1,2	DI+1SS133	SWITCHING DIODE	2
D3	DI+SB10-03A2	SCHOTTKY BARRIER DIODE	1
D4	DI+1B4B42	BRIDGE DIODE	1
J2	JI+3P-S3T2-SA	CONNECTOR	1
J5	JI+13P-S2T2-EF	CONNECTOR	1
J17	TM+ML-800S1V-3	SCREWLESS TERMINAL	1
L1	LL+ELF05SKI-221	INDUCTOR	1
NF1	NF+ZJK51R5-05	NOISE FILTER	1
NF2	NF+ZJY51R5-2P	COMMON CHOKE COIL	1
NF3,4	NF+ZBF253S-01	FERRITE BEAD	2
PHC1	DF+TLP2631	PHOTO ISOLATOR	1
PHC2	DF+TLP552	PHOTO ISOLATOR	1
R1-3	RC+NAT680R	RESISTOR	3
R5-7	RC+NAT1K	RESISTOR	3
R8	RC+NAT10K	RESISTOR	1
R10,11	RC+NAT1R	RESISTOR	2
R12	RC+NAT180R	RESISTOR	1
R13	RM+RNM3.3KF	METAL FILM RESISTOR	1
R14	RM+RNM36KF	METAL FILM RESISTOR	1
R15	RC+NAT1M	RESISTOR	1
R16	RC+NAT10K	RESISTOR	1
U1	UC+HC14	HEX SCHMITT INVERTER	1
U2	UF+AD420	16BIT DAC	1
U3	UR+TA78L005AP	VOLTAGE REGULATOR	1
U4	UR+MC34063AP1	SWITCHING REGULATOR	1
	KO+2295-015	CABLE	1
	KO+2296-020	CABLE	1

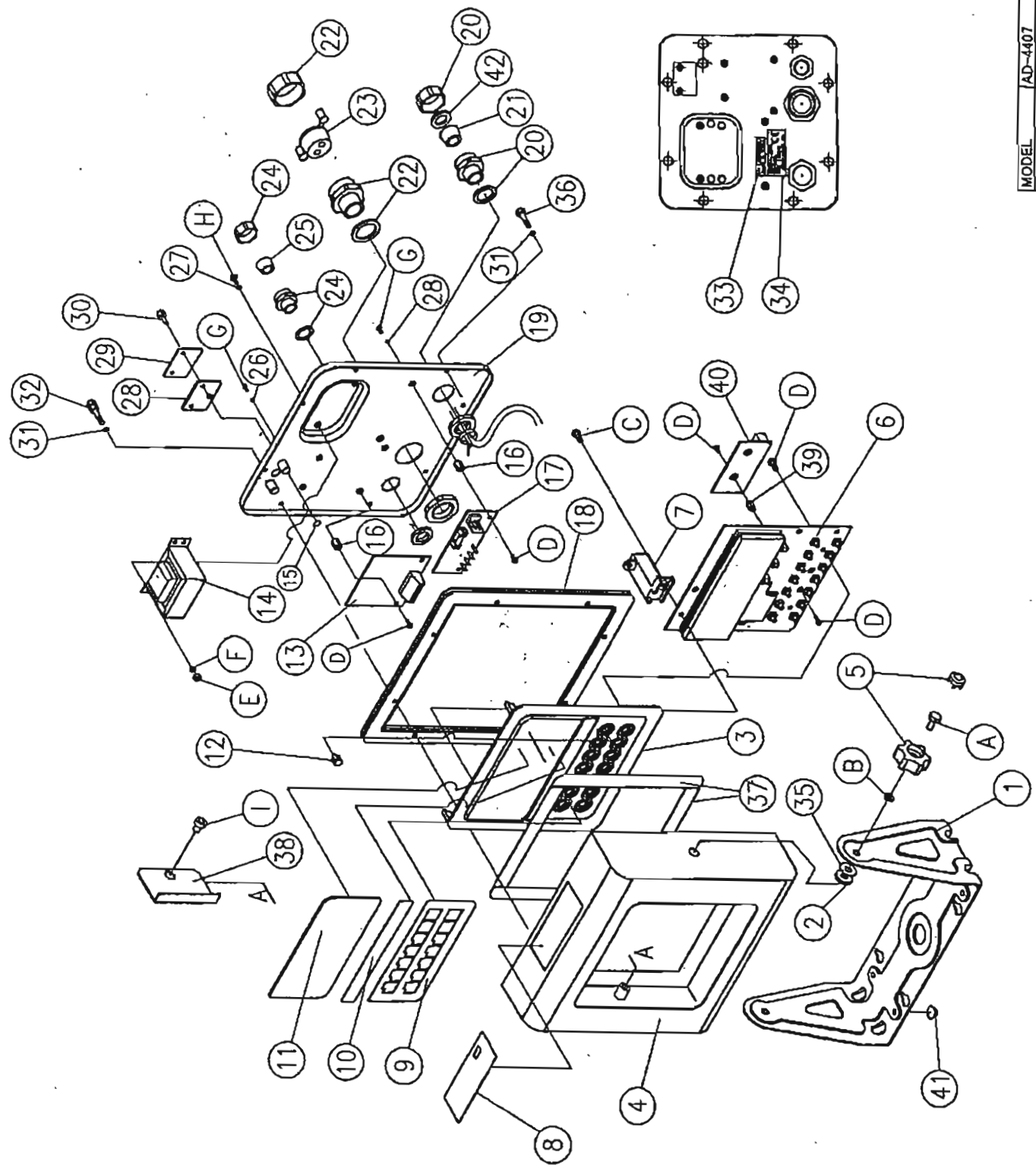
# 7PZ+4342 PARTS LIST

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Circuit Symbol	Part No.	Description	Quantity
	PC+4342	PRINTED WIRING BOARD	1
C1-5	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	5
C6	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
C7	CK+SME16VB10	ALUMINIUM ELECTROLYTIC CAPACITOR	1
C8	CC+FK16Y5V1H104	CERAMIC CAPACITOR	1
D1	DI+1B4B42	BRIDGE DIODE	1
J5	JI+13P-S2T2-EF	CONNECTOR	1
J23	TM+ML-800S1V-13	SCREWLESS TERMINAL	1
NF1	NF+D-42C	COMMON CHOKE COIL	1
NF2,3	NF+ZJY51R5-2P	COMMON CHOKE COIL	2
PHC3,4	DF+PS2501-1L/K	PHOTO ISOLATOR	2
Q1,2	QT+C1815Y	NPN TRANSISTOR	2
R1-3	RC+NAT1.5K	CARBON RESISTOR	3
R6	RC+NAT33K	CARBON RESISTOR	1
R9	RC+NAT680R	CARBON RESISTOR	1
R10	RC+NAT10K	CARBON RESISTOR	1
R11	RC+NAT4.7K	CARBON RESISTOR	1
R12	RC+NAT1.5K	CARBON RESISTOR	1
R13	RC+NAT680R	CARBON RESISTOR	1
RY1-3	DF+AQV253	PHOTO MOS RELAY	3
U1	UC+MAX232CPE	RS-232C DRIVER/RECEIVER	1



MODEL	AD-4406
DESCRIPTION	EXPLODED VIEW
STOCK No.	



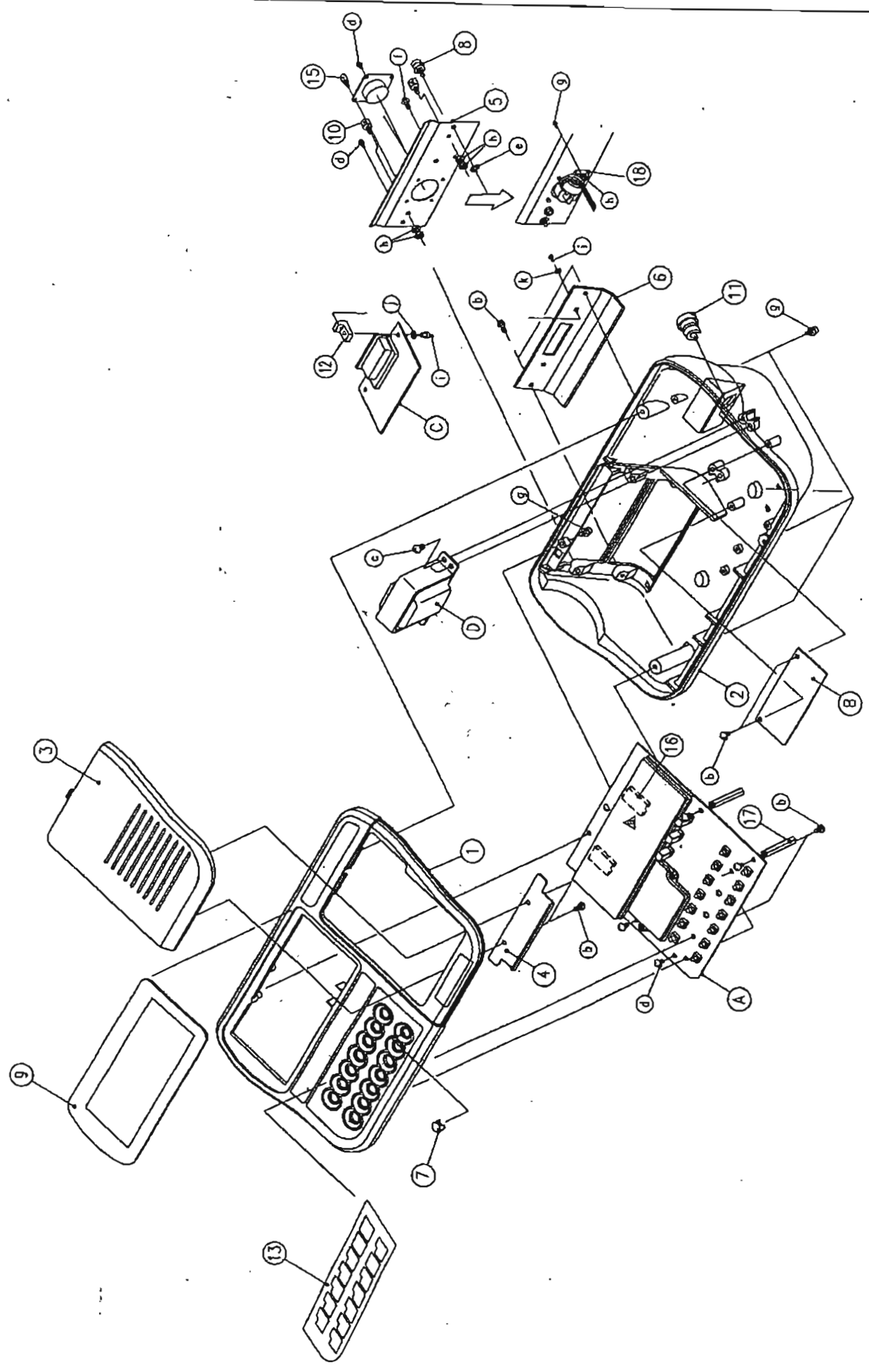


## AD-4407 PARTS LIST

1/1

No.	Part No.	Description	Quantity
1	04+3005226	Display Holder	1
2	06+4008626	Damper	2
3	07+2000764	PCB Chassis	1
4	04+2000512B	Front Cover	1
5	10+M6KNOB	Knob (M6)	2
6	PZ+3874B	Main Board	1
7	07+3003989	CAL. Switch Guide	1
8		(Label for Type Approval)	1
9	08+3005915	Key Sheet	1
10	08+4012642	Capacity Label	1
11	08+4012640	Filter	1
12	07+4007221	Key Top	14
13	PZ+3911	RS-232C Board	1
14	TF+505	Power Transformer	1
15	10+VFM12300	Vent Filter	1
16	05+4008667	10mm Long Nut	6
17	PZ+3415	Power Input Board	1
18	09+3004248A	Main Packing Unit	1
19	04+2000506C	Rear Cover	1
20	10+WJ-16A	Cable Clamper 16A	1
21	06+4008621A	AC Packing	1
22	10+WJ-20A	Cable Clamper 20A	1
23	06+4008622A	RS-232C/422 Packing	1
24	10+WJ-12A	Cable Clamper 12A	1
25	06+4008623A	Loadcell Packing	1
26	06+4008664	O-Ring $\phi 3$	6
27	06+4008665	O-Ring $\phi 4$	2
28	06+4008880A	CAL. Switch Paking	1
29	04+4008879	CAL. Switch Cover	1
30	05+4008881	CAL. Switch screw	2
31	06+4008666	O-Ring $\phi 5.5$	8
32	05+4008627	Sealing Bolt	1
33	08+4012827	Serial Number lable	1
34	08+4007458-1A	Rating Label	1
35	08+4009406	Dumper Seal	2
36	05+4008782	WP Bolt	7
37	08+4014290	PCB Chassis Tape	1
38	04+4010880	Supporting Plate C	2
39	05+4012639	Spacer	2
40	PZ+3876	Loadcell Junction Board	1
41	10+SJ-5012	Foot	4
42	04+4011006	AC Cable Washer	2
A		M6 x 15 Hexagonal Bolt (SUS)	2
B		SPN-6 Bushnut $\phi 6$ (SUS)	2
C		M3 x 15 Double Sems Screw (L.Washer)	1
D		M3 x 6 Double Sems Screw (S.Washer)	10
E		M4 Nut (Class 1)	2
F		Spring Washer (M4 Size)	2
G		M3 x 6 Pan Head Screw (SUS)	6
H		M4 x 8 Torus Head Screw (SUS)	2
I		M6 x 8 CAP Bolt	2
	TF+505	Power Transformer	1

MODEL	AD-4403
DESCRIPTION	EXPLODED VIEW
STOCK No.	



## AD-4405 PARTS LIST

1/1

No.	Part No.	Description	Quantity
A	PZ+3874A	Main Board	1
B	PZ+3415	Power Input Board	1
C	PZ+3877A	RS-232C Board	1
D	TF+505	Power Transformer	1
1	07+1000256	Upper Case	1
2	07+1000098-2A	Lower Case	1
3	07+2000417-2	Battery Cover	1
4	04+4007230	Cover Stopper	1
5	01+3005912A	Rear Panel	1
6	01+3006131	Connector Cover	1
7	07+4007221	Key Top	14
8	05+A42208	Lock Screw(With Hole)	1
9	08+4012633A	Filter	1
10	05+4011016	Hexagonal Sealing Bolt S(M3)	2
11	ET+SR-6P-4	Cable Clamper	1
12	JI+360A2	Right Angle	2
13	08+3005908	Key Sheet	1
14		(Reserved)	
15	05+4012824	Round Sealing Bolt S(M3)	1
16	06+B42081A	VFD Pillow	2
17	05+A44614	Spacer(30mm)	4
18	10+NK-2N	Cable Clamper	1
a		(Reserved)	
b		M3 x 8 Self-tapping Screw	8
c		M4 x 8 Self-tapping Screw	4
d		M3 x 8 Double Sems Screw (S.Washer)	7
e		M2.6 E-Ring	1
f		M4 x 8 Double Sems Screw (S.Washer)	1
g		M3 x 12 Double Sems Screw (S.Washer)	5
h		M3 Nut (Class 1)	4
i		M2.6 x 4 Pan Head Screw	4
j		M2.6 Spring Washer	2
k		M2.6 Plane Washer S-size	2
	TF+505	Power Transformer	1