

HC SERIES

TECHNICAL INFORMATION

COUNTING SCALES

HC-3KA/B

HC-6KA/B

HC-12KA/B

OP-03/04/05



HC-A SERIES

MAIN BOARD(PZ:2765A) PARTS LIST

CIRCUIT SYMBOL or DRWG. NO.	PARTS NAME	DESCRIPTION	Q'TY
U1	UC:D78064GF-048	CPU	1
U2	UC:HC02	NOR GATE	1
U4	UC:RP93C46	EEPROM	1
U5	UA:S-8054ALB	VOLTAGE COMPARATOR	1
U6	UR:24M05HF	REGULATOR	1
Q1	QT:A1020Y	TRANSISTER	1
Q2	QT:A1015Y	TRANSISTER	1
Q3,4	QT:BA1A4P	TRANSISTER	2
D1 ~ 5,9,21	DI:1SS270	DIODE	7
X	XT:KBR4.91MKSTF	OSCILATOR	1
NF3	NF:D-42C	NOISE FILTER	1
NF1,2	LL:LHL06NB470K	INDUCTOR	2
S1 ~ 5,9,21,22	SK:SKHHAK	TACT SWITCH	8
	BLE:AMZ41	ANALOG MODULE	1
BZ	ET:MEB-12C-5	BUZZER	1
	04:C42583	ELECTRODE	2
	PC:2765B	PRINT BOARD	1
R1	RC:NAT1.5K	CARBON RESISTOR	1
R2,7	RC:NAT5.6K	CARBON RESISTOR	2
R3,11	RC:NAT56K	CARBON RESISTOR	2
R5,6	RC:NAT4.7K	CARBON RESISTOR	2
R8,9,10	RC:NAT10K	CARBON RESISTOR	3
C1	CK:SME25VB470	CHEMICAL CAPACITOR	1
C6	CK:SME16VB100	CHEMICAL CAPACITOR	1
C3,4,20	CT:1V010	TANTALUM CAPACITOR	3
C2,5,7 ~ 11,13 ~ 15, 21 ~ 24	CC:0.1U25V	CERAMIC CAPACITOR	14
J1	EJ:0470-01-230	JACK	1
J3	JE:HBLB5R-5J	FPC CONNECTOR	1
J4	J1:07P-S2L2-EF	CONNECTOR	1
J7	KO:618-11-060	PC JOINER	1

HC-B SERIES

MAIN BOARD(PZ:2765B) PARTS LIST

CIRCUIT SYMBOL or DRWG. NO.	PARTS NAME	DESCRIPTION	Q'TY
U1	UC:D78064GF-048	CPU	1
U2	UC:HC02	NOR GATE	1
U4	UC:RP93C46	EEPROM	1
U5	UA:S-8054ALB	VOLTAGE COMPARATOR	1
U6	UR:24M05HF	REGULATOR	1
Q1	QT:A1020Y	TRANSISTER	1
Q2	QT:A1015Y	TRANSISTER	1
Q3,4	QT:BA1A4P	TRANSISTER	2
D1~21	DI:ISS270	DIODE	21
X	XT:KBR4.91MKSTF	OSCILATOR	1
NF3	NF:D-42C	NOISE FILTER	1
NF1,2	LL:LHL06NB470K	INDUCTOR	2
S1~22	SK:SKHHAK	TACT SWITCH	22
	BLE:AMZ41	ANALOG MODULE	1
BZ	ET:MEB-12C-5	BUZZER	1
	04:C42583	ELECTRODE	2
	PC:2765B	PRINT BOARD	1
R1	RC:NAT1.5K	CARBON RESISTOR	1
R2,7	RC:NAT5.6K	CARBON RESISTOR	2
R3,11	RC:NAT56K	CARBON RESISTOR	2
R5,6	RC:NAT4.7K	CARBON RESISTOR	2
R8,9,10	RC:NAT10K	CARBON RESISTOR	3
C1	CK:SME25VB470	CHEMICAL CAPACITOR	1
C6	CK:SME16VB100	CHEMICAL CAPACITOR	1
C3,4,20	CT:1V010	TANTALUM CAPACITOR	3
C2,5,7~11,13~15, 21~24	CC:0.1U25V	CERAMIC CAPACITOR	14
J1	EJ:0470-01-230	JACK	1
J3	JE:HBLB5R-5J	FPC CONNECTOR	1
J4	J1:07P-S2L2-EF	CONNECTOR	1
J7	KO:618-11-060	PC JOINER	1

HC/HD-03

RS-232C INTERFACE BOARD(PZ:2770) PARTS LIST

CIRCUIT SYMBOL or DRWG. NO.	PARTS NAME	DESCRIPTION	Q'TY
U1	UC:MAX232CPE		1
C1,2,3,4,5	CK:SME16VB47	CHEMICAL CAPACITOR	5
C6	CC:0.1U25V	CERAMIC CAPACITOR	1
NF1	NF:D-42C	NOISE FILTER	1
J4	JI:07P-S2L2-EF	CONNECTOR	1
J11	JA:17LE-13250	D-Sub	1
	PC:2770	PRINT BOARD	1

HC/HD-04

COMPARATOR BOARD(PZ:2771A) PARTS LIST

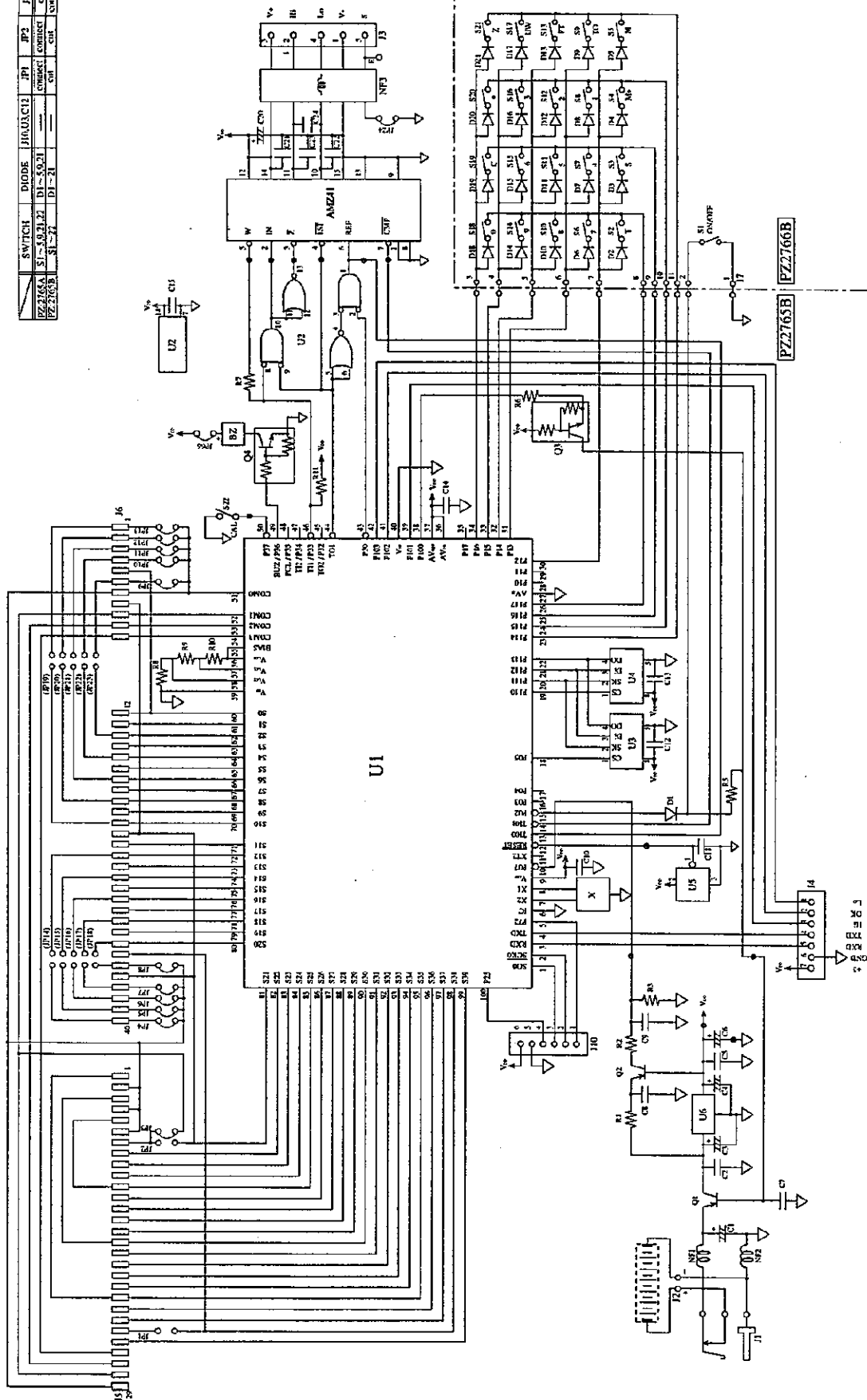
CIRCUIT SYMBOL or DRWG. NO.	PARTS NAME	DESCRIPTION	Q'TY
Q1,2,3	QT:BA1A4P	TRANSISTER	3
DF1,2,3	DF:AQV253	RELAY	3
C1	CK:SME16VB47	CHEMICAL CAPACITOR	1
J4	JI:07P-S2L2-EF	CONNECTOR	1
J12	JA:4470-01-1111	DIN CONNECTOR	1
R1,2,3	RC:NAT680R	CARBON RESISTOR	3
	PC:2771	PRINT BOARD	1

HC/HD-05

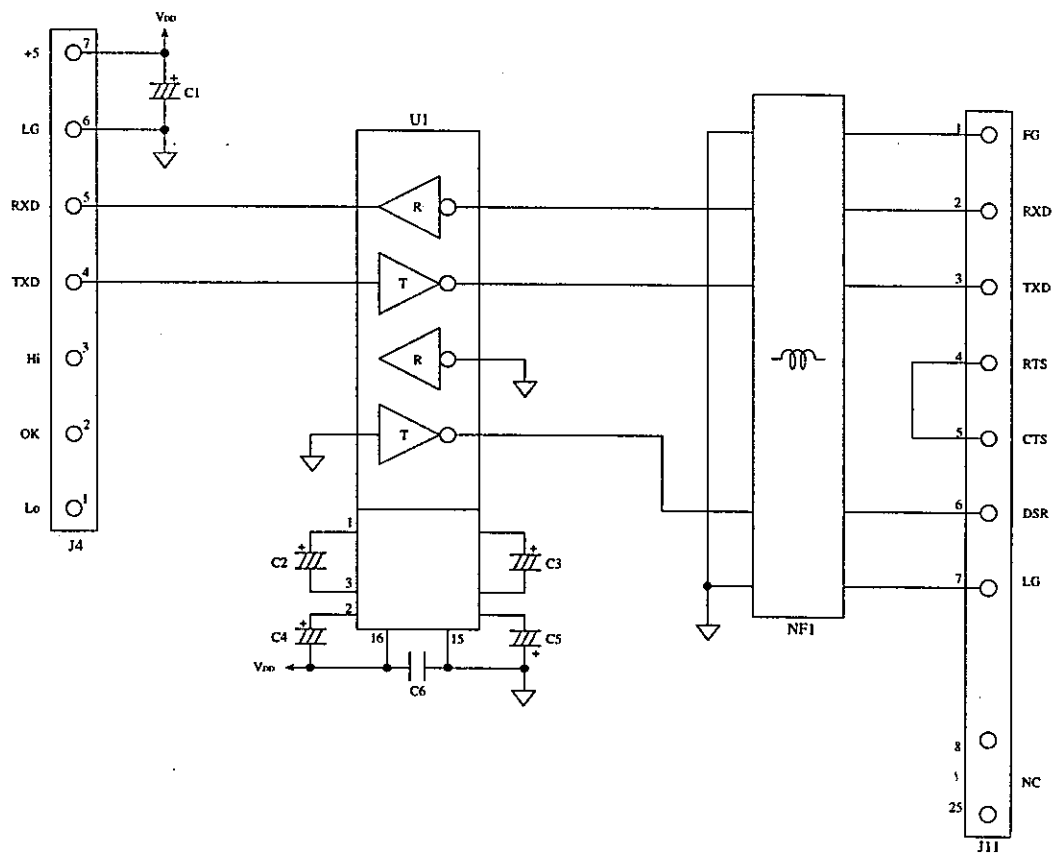
CURRENT LOOP BOARD(PZ:2771B) PARTS LIST

CIRCUIT SYMBOL or DRWG. NO.	PARTS NAME	DESCRIPTION	Q'TY
Q4	QT:BA1A4P	TRANSISTER	1
Q5	QT:C1815Y	TRANSISTER	1
DF4	DF:PS2501-1L/K	PHOTO COUPLER	1
C1	CK:SME16VB47	CHEMICAL CAPACITOR	1
R4	RC:NAT5.6K	CARBON RESISTOR	1
R5	RC:NAT1K	CARBON RESISTOR	1
D1	DI:1B4B42	DIODE	1
J4	J1:07P-S2L2-EF	CONNECTOR	1
J12	JA:4470-01-1111	DIN CONNECTOR	1
	PC:2771	PRINT BOARD	1

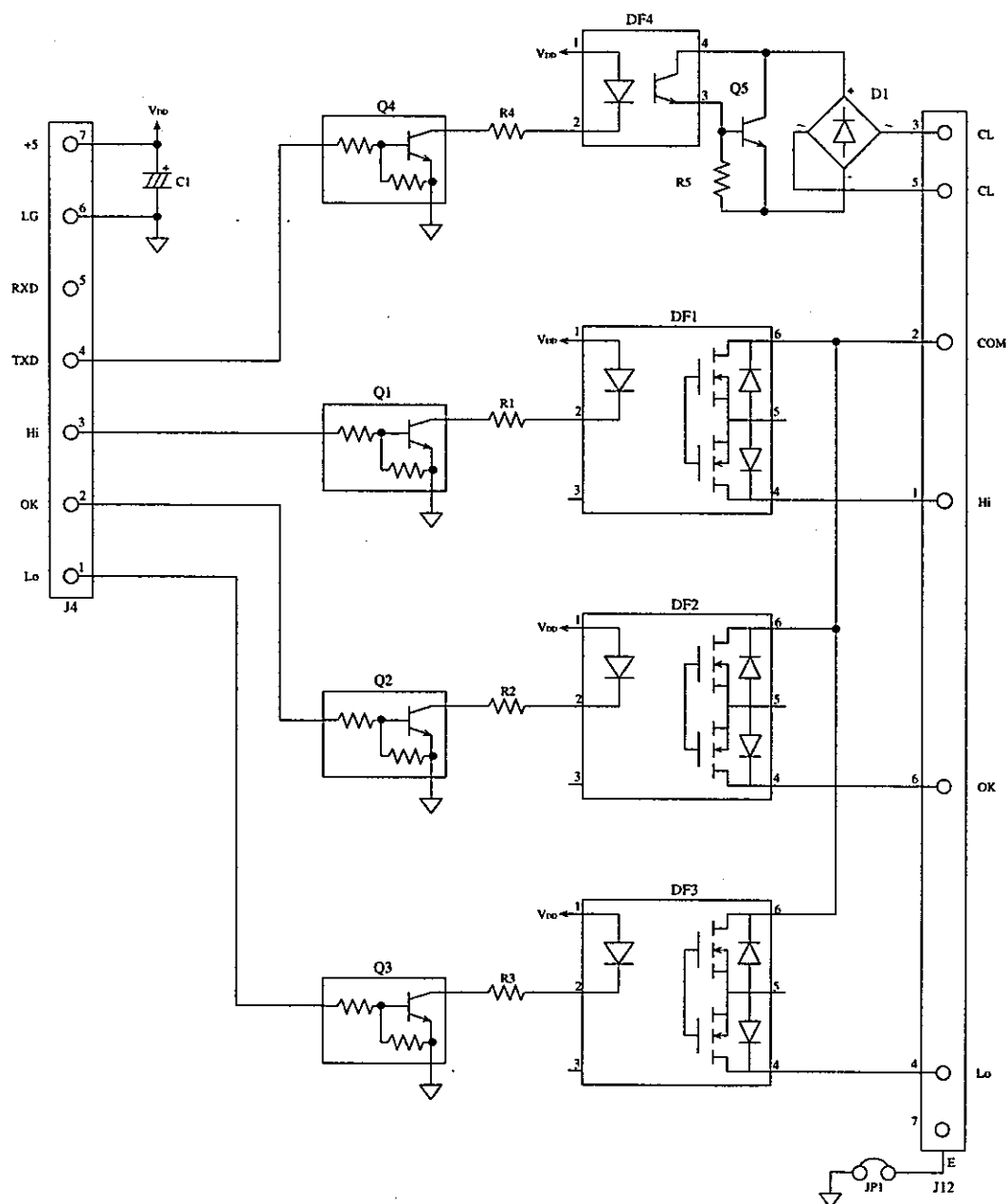
SW/ITCH	DIODE	J10, U3, C12	JP1	JP2	JP3
PZ-2765A	S1 ~ S3, S12	D1 ~ S5, S11	CONTRACT	CONTRACT	CONTRACT
PZ-2765B	S1 ~ S12	D1 ~ S12	CONTRACT	CONTRACT	CONTRACT



Model	IIC SERIES
Description	MAIN BOARD
Stock No.	PZ-2765A/PZ-2765B

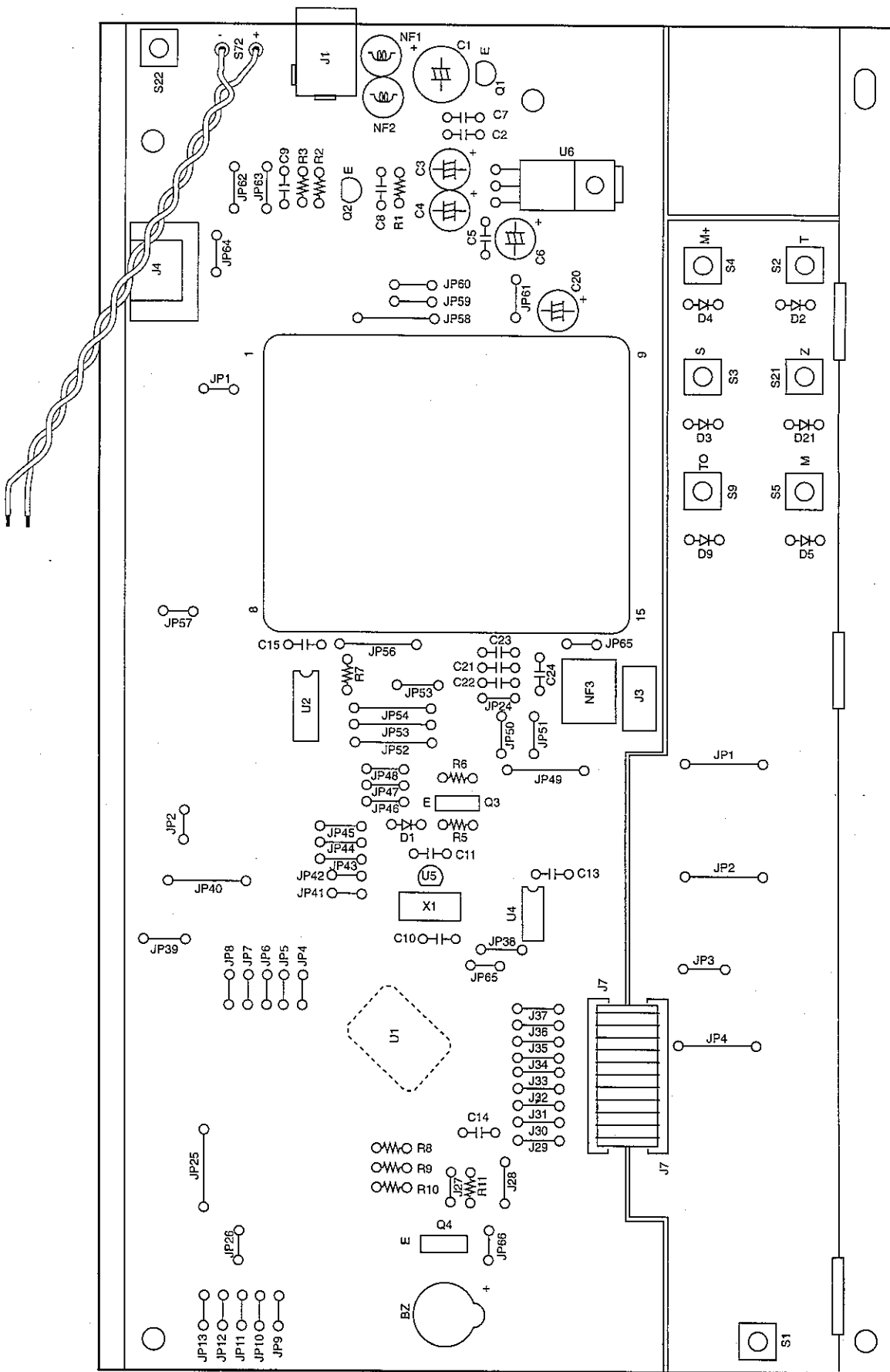


Model	AD:HC-03 AD:HD-03
Description	RS-232C INTERFACE BOARD
Stock No.	PZ:2770

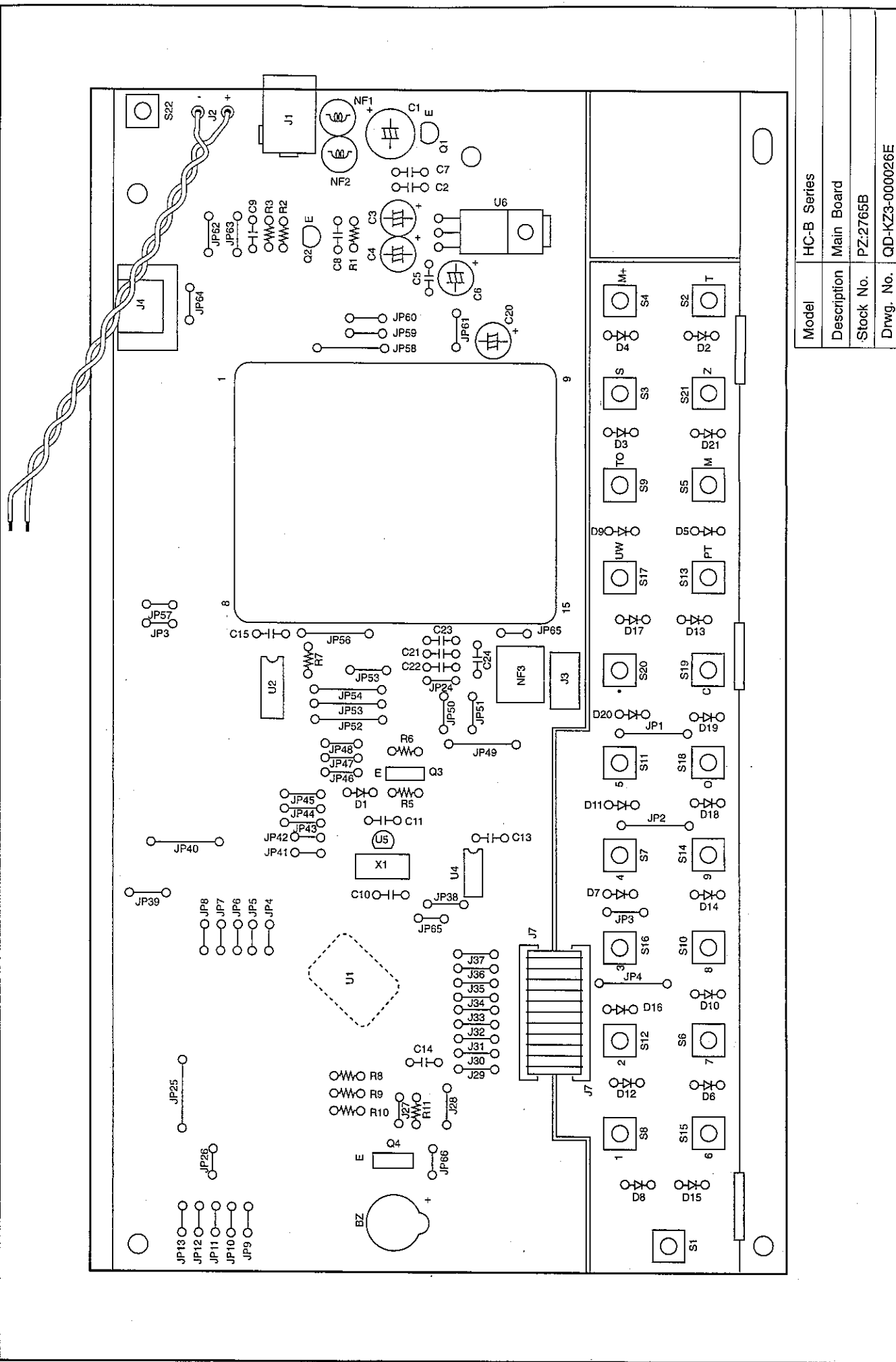


	Q	DF	D	R
PZ:2771A	Q1~3	DF1~3	—	R1~3
PZ:2771B	Q4,5	DF4	D1	R4,5

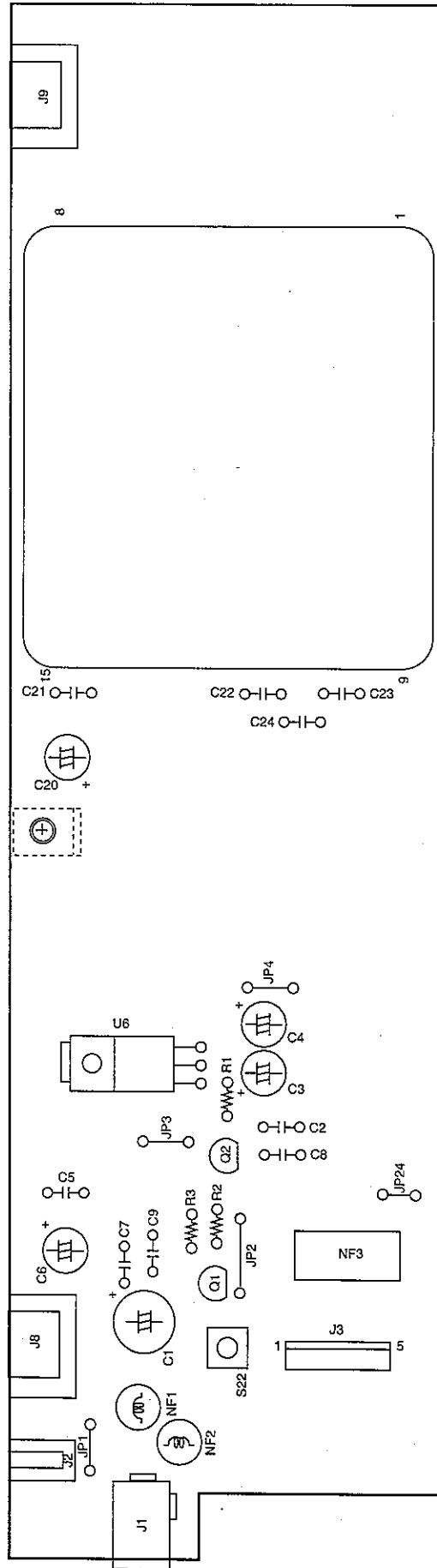
Model	AD:HC-04/05 AD:HD-04/05
Description	COMPARATOR/CURRENT LOOP BOARD
Stock No.	PZ:2771A/PZ:2771B



Model	HC-A Series
Description	Main Board
Stock No.	PZ-2765A
Drwg. No.	QD-KZ3-000025E



Model	HC-B Series
Description	Main Board
Stock No.	PZ-2765B
Drwg. No.	QD-KZ3-000026E



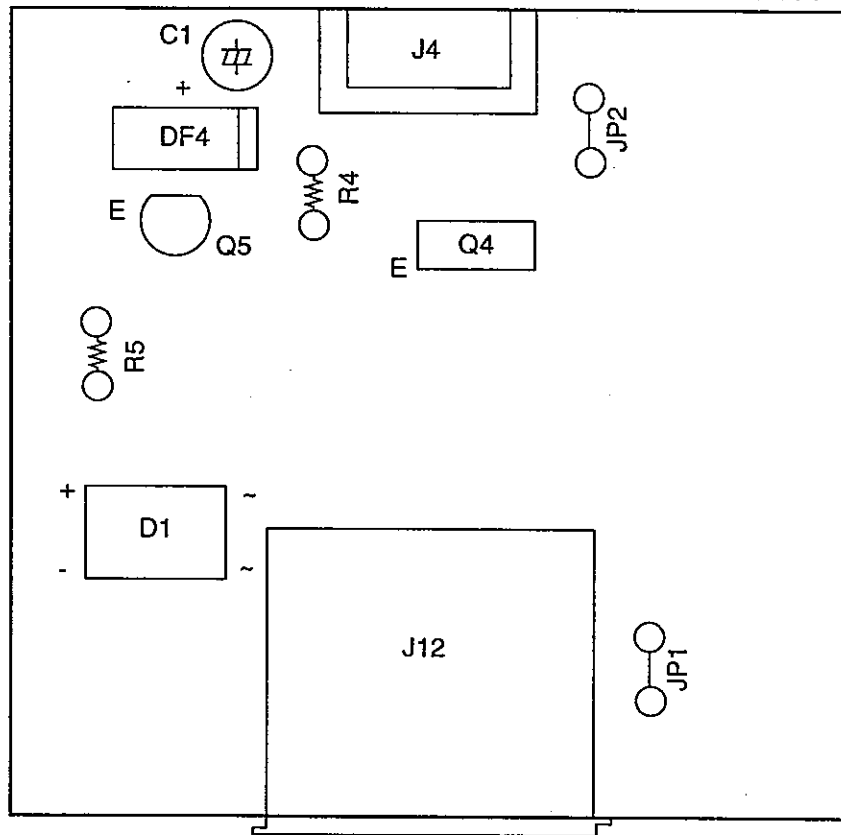
PC:2768B

Description	Power Supply Board
Stock No.	PZ:2768
Dwg. No.	QD-KZ3-000029A

H C S E R I E S

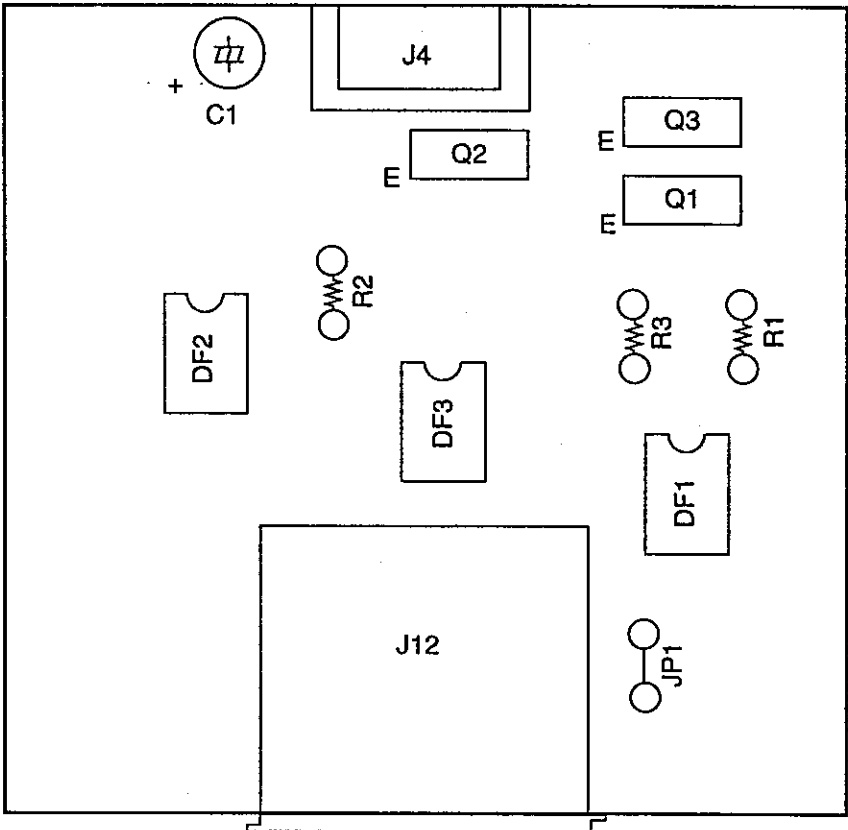
NO.	PARTS NAME	DESCRIPTION
1	04:3000004	WEIGHING PAN
2		PAN HEAD WITH WASHER AND SPRING WASHER M3×6
3	15:4000002	GROUND SPRING
4		HEXAGON BOLT M6×35
5	10:SJ-5012	RUBBER FOOT
6		CONTINUOUS-THREAD STUD M4×15
7		NUT M4
8		WASHER ϕ 4
9	08:4000205	SHEET
10	07:1000003	PAN SUPPORT
11	07:3000012	PLATE
12	04:4000003	SUS PLATE
13	07:1000001	UPPER CASE
14	07:3000002	COVER
15	KO:964-07W015	OPTION CABLE
16	06:C40296	LCD STOP
17		PAN HEAD TAPPING SCREW M3×8
18	07:1000002	LOWER CASE
19		PAN HEAD TAPPING SCREW M4×10
20		HEXAGON BOLT M6×35
21	10:7-032-001	FOOT
22		NUT M6
23		WASHER ϕ 6
24		CONTINUOUS-THREAD STUD M6×25
25	10:13C	LEVEL VIAL
26	04:B42076B	STOP PLATE
27		PAN HEAD WITH WASHER AND SPRING WASHER M4×8
28	PZ:2765A	MAIN BOARD FOR HC-A SERIES
28	PZ:2765B	MAIN BOARD FOR HC-B SERIES
29	10:DH-26-1AD	BATTERY CASE
30	08:4000375	CAPACITY LABEL FOR 3KA(EX)
30	08:4000376	CAPACITY LABEL FOR 6KA(EX)
30	08:4000377	CAPACITY LABEL FOR 12KA(EX)
30	08:4000378	CAPACITY LABEL FOR 3KB(EX)
30	08:4000379	CAPACITY LABEL FOR 6KB(EX)
30	08:4000380	CAPACITY LABEL FOR 12KB(EX)
31	08:3000134	DISPLAY SHEET FOR HC-A SERIES
31	08:3000135	DISPLAY SHEET FOR HC-B SERIES
32	07:3000012	DISPLAY FILTER
33	08:3000132A	KEY SHEET FOR HC-A SERIES
33	08:3000133A	KEY SHEET FOR HC-B SERIES
34	LC:117-3000	LOAD CELL FOR HC-3K
34	LC:117-6000	LOAD CELL FOR HC-6K
34	LC:117-12K	LOAD CELL FOR HC-12K

PC:2771



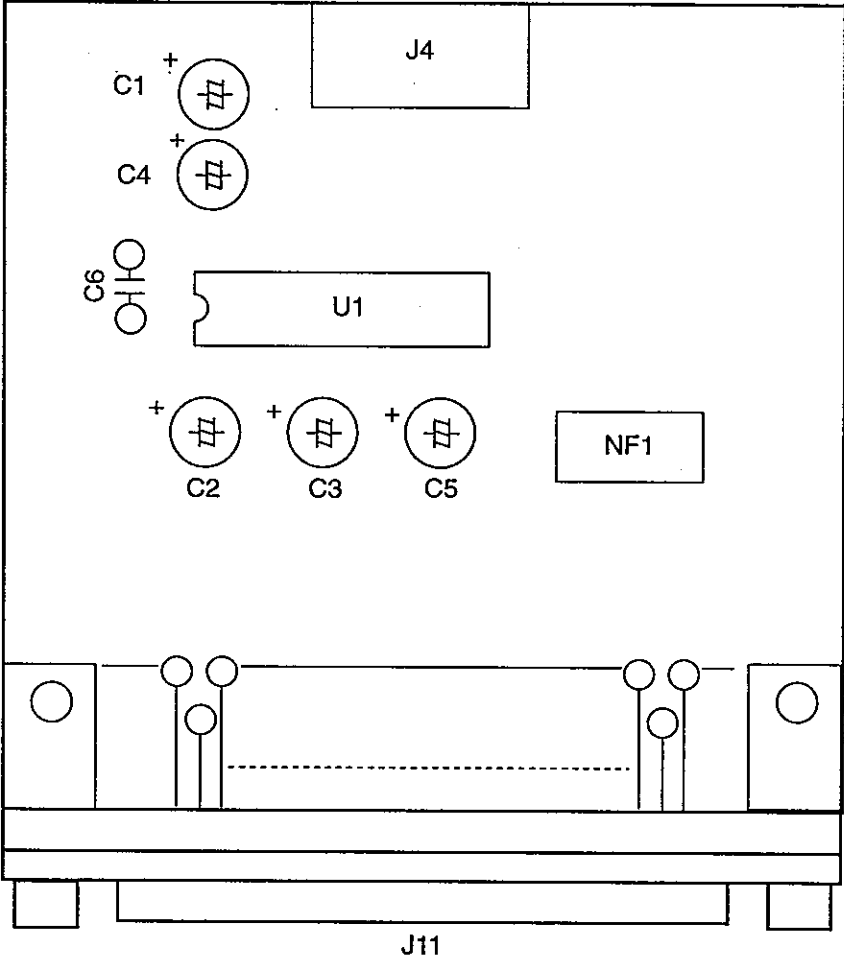
Model	HC-05/HD-05
Description	
Stock No.	PZ:2771B
Drwg. No.	QD-KZ4-000009

PC:2771



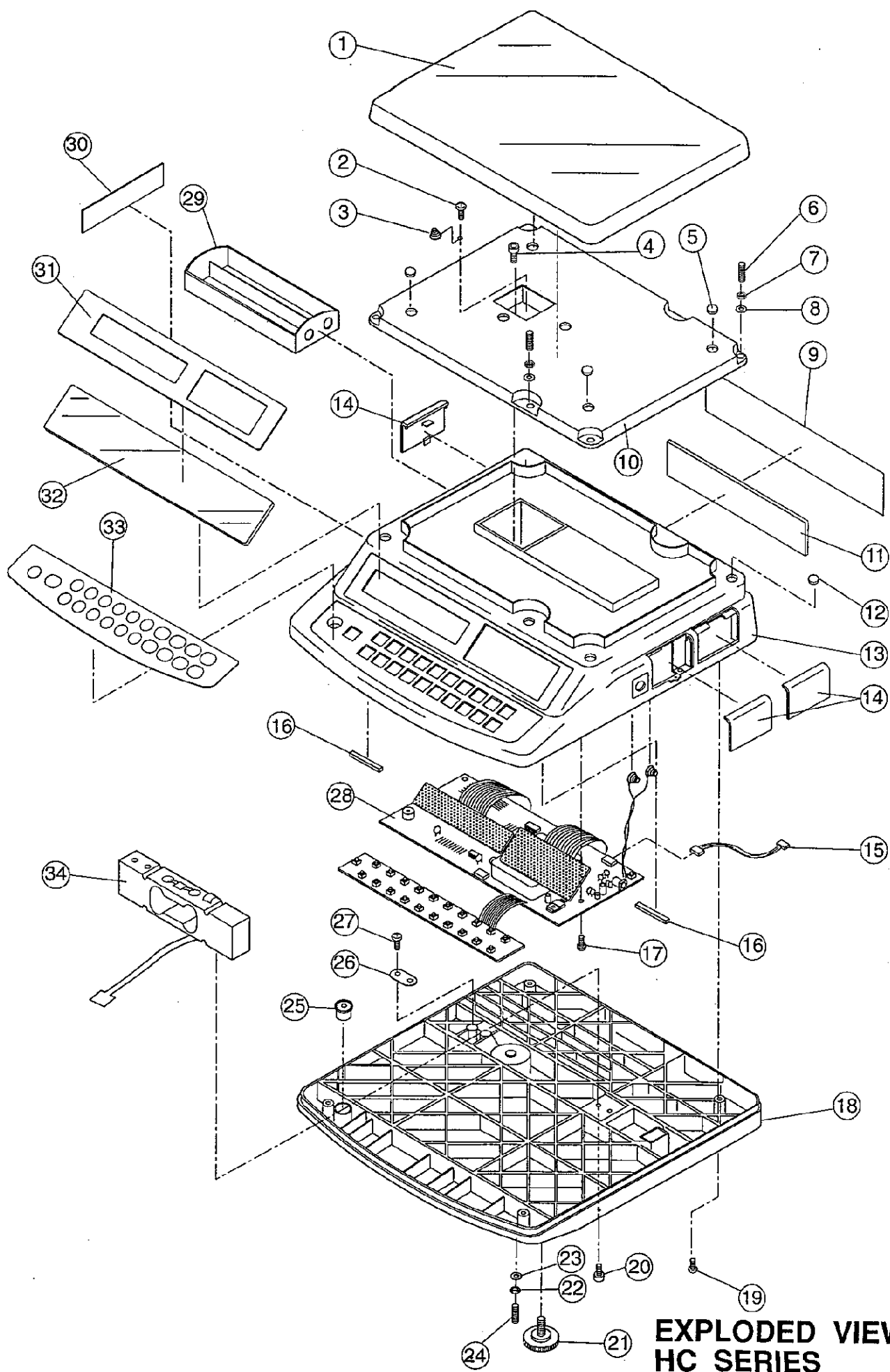
Model	HC-04/HD-04
Description	
Stock No.	PZ:2771A
Drwg. No.	QD-KZ4-000008

PC:2770



J11

Model	HC-03/HD-03
Description	
Stock No.	PZ:2770
Drwg. No.	QD-KZ4-000007



**EXPLODED VIEW
HC SERIES**