

CHAPTER 4

PARTS LIST

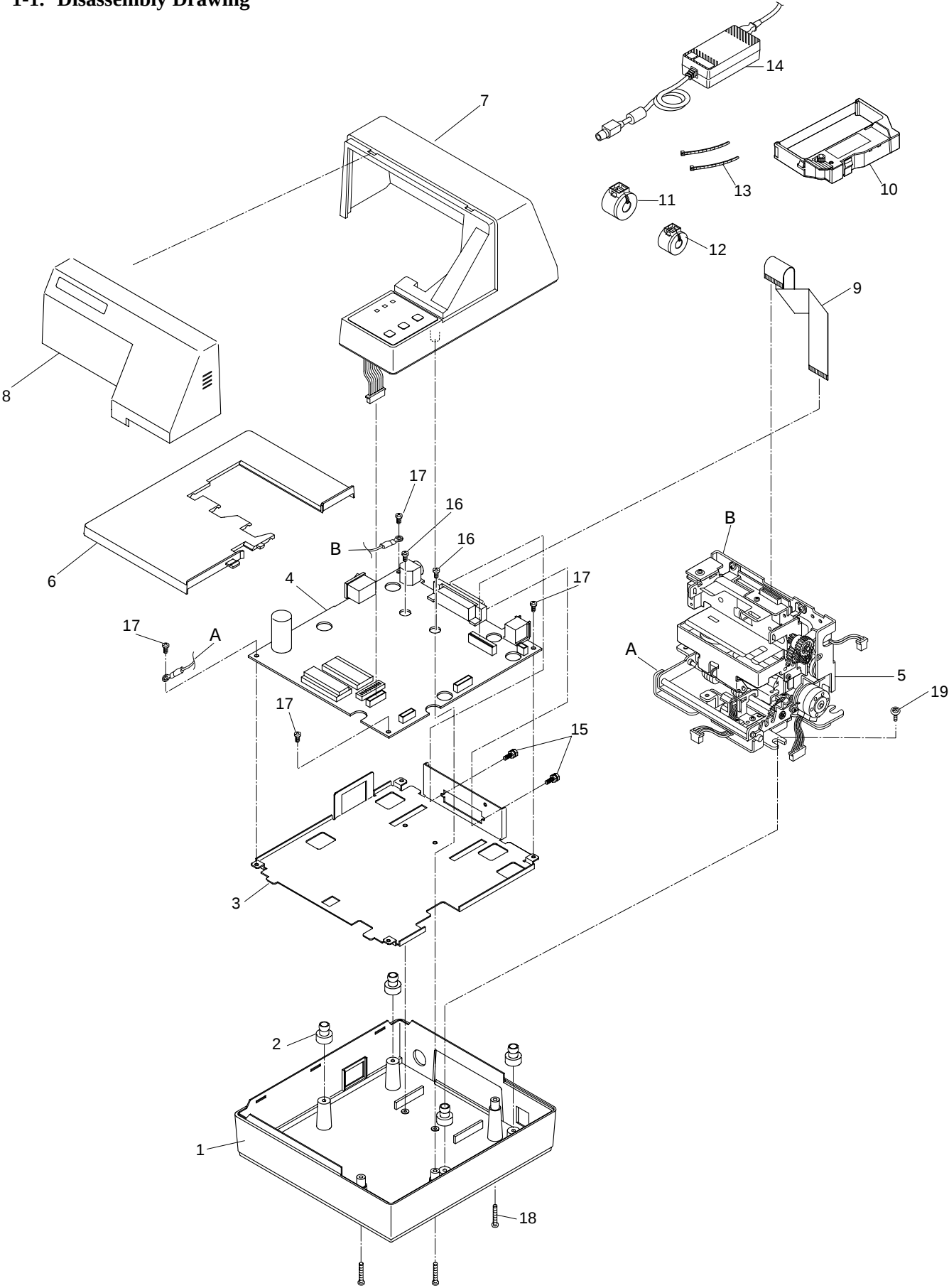
HOW TO USE PARTS LIST

- (1) DRWG. NO.
This column shows the drawing number of the illustration.
- (2) REVISED EDITION MARK
This column shows a revision number.
- (3) PART NO.
Parts numbers must be notified when ordering replacement parts. Parts described as “NPN” have no parts number and are not in stock, i.e., unavailable.
- (4) PARTS NAME
Parts names must be notified when ordering replacement parts.
- (5) Q'TY
This column shows the number of the part used as indicated in the figure.
- (6) REMARKS
When differences in specifications exist depending on location/destination.
- (7) RANK
Parts marked “S” a service parts. Service parts are recommended to be in stock for maintenance.

4

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1. Printer Assembly
1-1. Disassembly Drawing



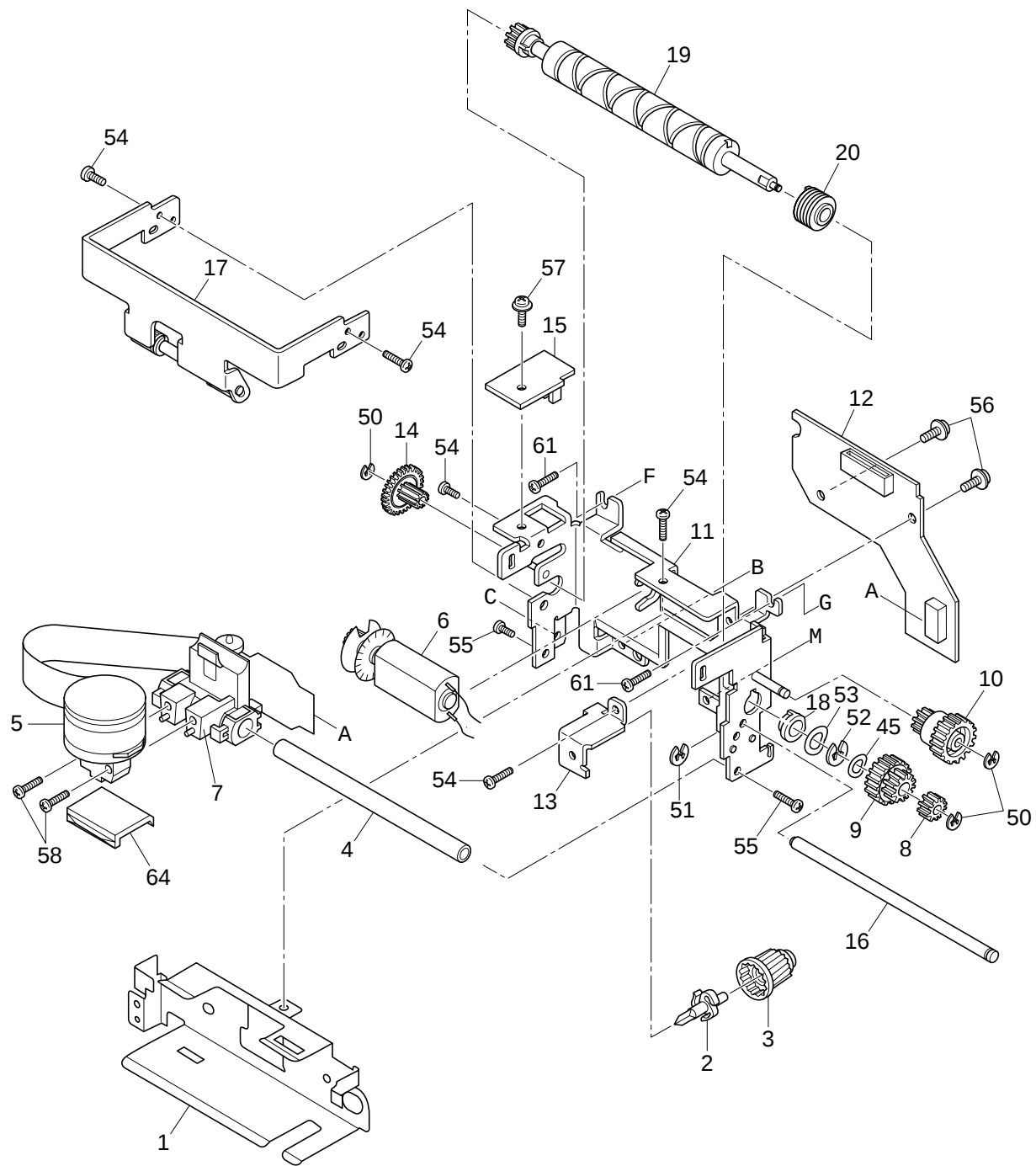
1-2. Parts List

Printer Assembly

DRWG.NO.	REV.	PARTS NO.	PARTS NAME	Q'TY	REMARKS	RANK
1		37300030	LOWER CASE UNIT SP290	1		S
2		30991110	RUBBER SHEET SCP7	4		
3		32010220	BOARD CHASSIS SP290	1		S
4		37307010	MAIN LOGIC BOARD UNIT SP290	1		S
5		38082010	MP292-24GS	1		S
6		33090010	DOCUMENT TABLE SP290	1		S
7		37301040	UPPER CASE UNIT SP290	1		S
8		37300330	FRONT COVER UNIT SP290	1		
9		30722010	FLAT CABLE 19X205	1		
10		30980022	INK RIBBON CARTRIDGE RC200P	1		
11		09990723	FERRITE CORE TFC-23-11-14	1		
12		09990713	FERRITE CORE TFC-16-8-16	1		
13		04991204	FASTENER T18S	2		S
14		39560020	PS48 AND US CORD SET	1	OPTION	
		39560030	PS48 AND EC CORD SET	1	OPTION	
		39560040	PS48 AND UK CORD SET	1	OPTION	
		39560050	PS48 AND AS CORD SET	1	OPTION	
15		04991401	SCREW DBLC-J25SAF	2		S
16		00930603	SCREW TAT 3-6 PT	2		S
17		00930609	SCREW TAT 3-6 CT	4		S
18		01903103	SCREW TAT 3-18 PT	3		S
19		01914038	SCREW TAT 4-20 PWF	4		S
-		30721330	CABLE UNIT PS48-24A	1	OPTION	

2. Printer Mechanism

2-1. Disassembly Drawing



2-2. Parts List

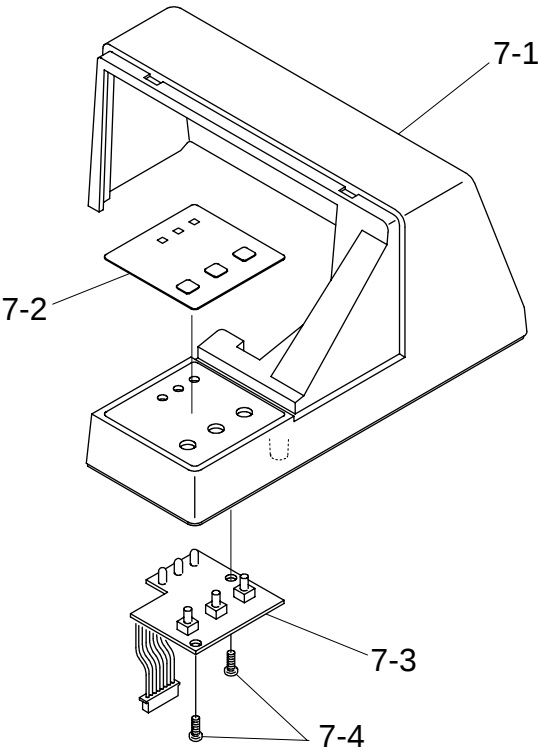
Printer Mechanism

DRWG.NO.	REV.	PARTS NO.	PARTS NAME	Q'TY	REMARKS	RANK
1		32980030	RIBBON BASE MP290	1		
2		33980030	RIBBON SHAFT MP290	1		S
3		33140110	WORM WHEEL MP2	1		S
4		31360130	CARRIAGE STAY MP2S	1		
5		89130190	PRINT HEAD DP8901M (D)	1		
6		37002050	MOTOR 12V UNIT MP2	1		S
7		37001130	CARRIAGE UNIT MP290	1		
8		33100020	DRIVE SHAFT GEAR L MP2	1		
9		33101640	IDLER GEAR B MP290	1		S
10		33101630	IDLER GEAR A MP290	1		S
11		37000070	FRAME UNIT MP290	1		
12		37007051	TERMINAL BOARD UNIT MP290	1		
13		32981010	RIBBON SHAFT GUIDE MP2	1		
14		33100110	GEAR 12X45X0.4 MP2	1		
15		37007620	TIMING DETECTOR BD UNIT MP290	1		
16		31360121	CARRIAGE GUIDE STAY MP2	1		
17		37000080	HOLDER FRAME UNIT MP290	1		
18		80203041	DRIVE SHAFT BEARING MP300	1		
19		37001030	DRIVE SHAFT UNIT MP292	1		
20		33140010	WORM GEAR MP2	1		
21		37000391	SHIFT FRAME B ASSY MP290	1		
22		33102160	GEAR 31X0.3 MP290	2		
23		33500000	ADJUSTING WASHER U MP290	2		
24		33500011	ADJUSTING WASHER D MP290	2		
25		37000360	PLATEN UNIT MP290	1		
26		30201000	PAPER FEED ROLLER MP290	1		S
27		33102040	PAPER FEED GEAR MP290	1		
28		33101620	IDLER GEAR 2 MP290	1		S
29		33101610	IDLER FEAR 1 MP290	1		
30		33215010	PF ROLLER BEARING PR1	2		
31		37000351	PAPER FEED MOTOR UNIT MP290	1		S
32		31303000	PIVOT SHAFT MP290	1		
33		37000310	BASE FRAME ASSY MP290	1		
34		33292000	CAM MP290	1		
35		33491010	CLUTCH CLAW A MP290	1		
36		37000341	CAM GEAR UNIT MP290	1		S
37		37008130	SOLENOID 24V UNIT MP290	1		S
38		32045530	PAPER GUIDE U MP290	1		
39		32045540	PAPER GUIDE L MP290	1		
40		32490110	LOCATING LEVER MP290	1		
41		32045520	PAPER GUIDE R MP290	1		
42		33040000	SPRING HOLDER MP290	2		
43		37000330	PAPER DETECTOR BD UNIT MP290	1		S
44		30531040	PLATEN HOLDER SPRING MP290	1		S
45		02305013	POLY-SLIDER WP5X0.13	1		
46		30520060	SPRING C055-045-0415	2		S
47		30531030	LOCATING LEVER SPRING MP290	1		S
48		32040220	REINFORCEMENT PLATE MP290	1		S
49		32090010	GROUND PLATE MP290	1		S
50		04020010	STOP RING SE2.0	10		S
51		04020015	STOP RING SE3.0	2		S
52		04020016	STOP RING SE4.0	1		S
53		82500040	WAVE WASHER 1 DT	1		S
54		00926503	SCREW TAT 2.6-5 CT	8		S
55		00626404	SCREW TR 2.6-4	2		S
56		01902617	SCREW TAT 2.6-5 CT-FL	2		S

Printer Mechanism

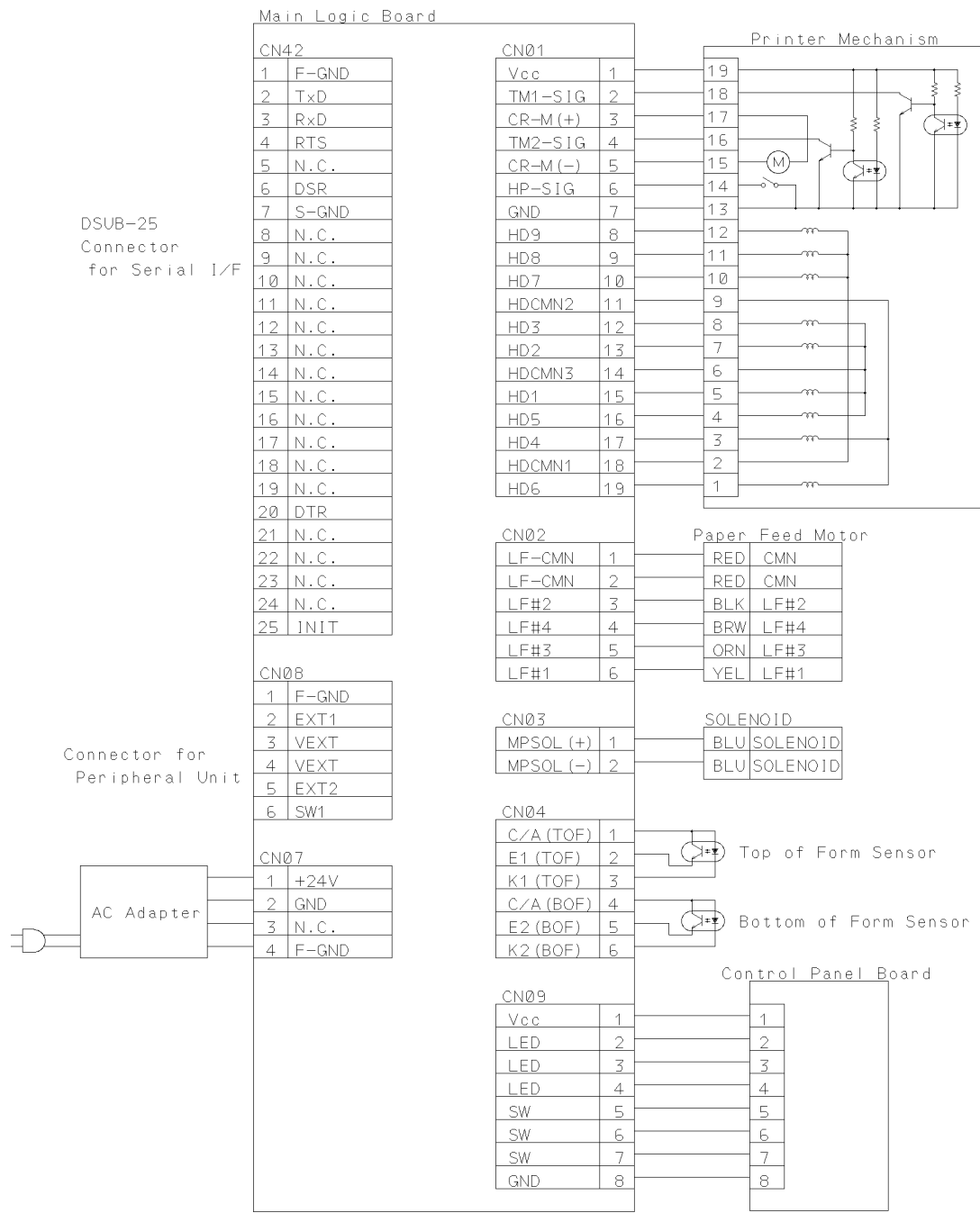
DRWG.NO.	REV.	PARTS NO.	PARTS NAME	Q'TY	REMARKS	RANK
57		01902622	SCREW TAT 2.6-5 WF	1		S
58		01902612	SCREW TAT 2.6-16 PT	2		S
59		80707060	WIRE 18UL1007BLK095TT	2		S
60		01902639	SCREW TAT 2.6-6 WF	2		S
61		00930609	SCREW TAT 3-6 CT	14		S
62		01903088	SCREW TAT 3-6 WS	1		S
63		00930403	SCREW TAT 3-4 CT	6		S
64		83904900	RIBBON GUIDE 8901M	1		

3. Upper Case Unit



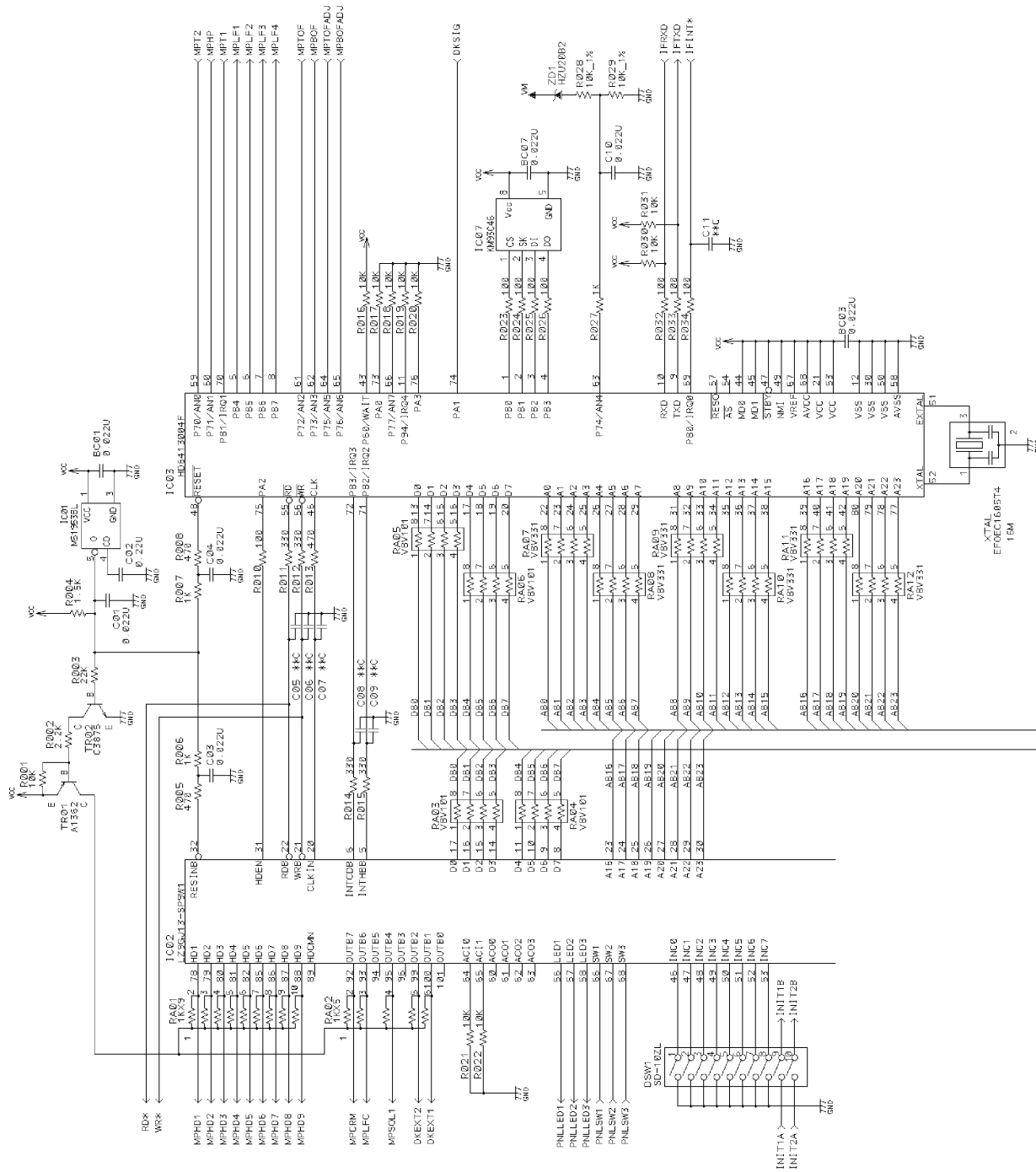
DRWG.NO.	REV.	PARTS NO.	PARTS NAME	Q'TY	REMARKS	RANK
7-1		33021090	UPPER CASE SP290	1		
7-2		30060030	OPERATION SHEET SP290	1		
7-3		37307210	CONTROL BOARD UNIT SP290	1		
7-4		00930803	SCREW TAT 3-8 PT	2		

4. Wiring Scheme of Printer

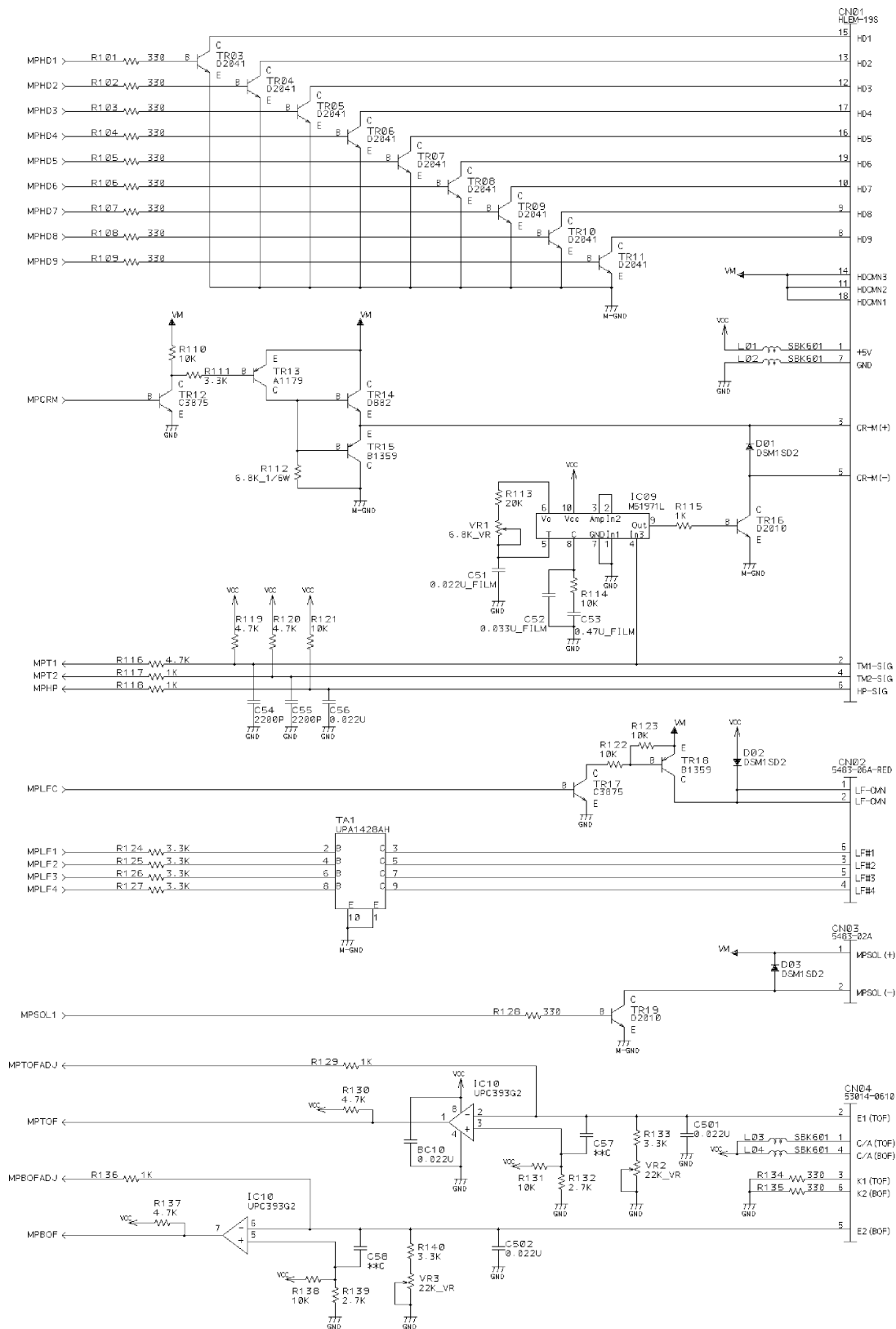


5. Main Logic Board

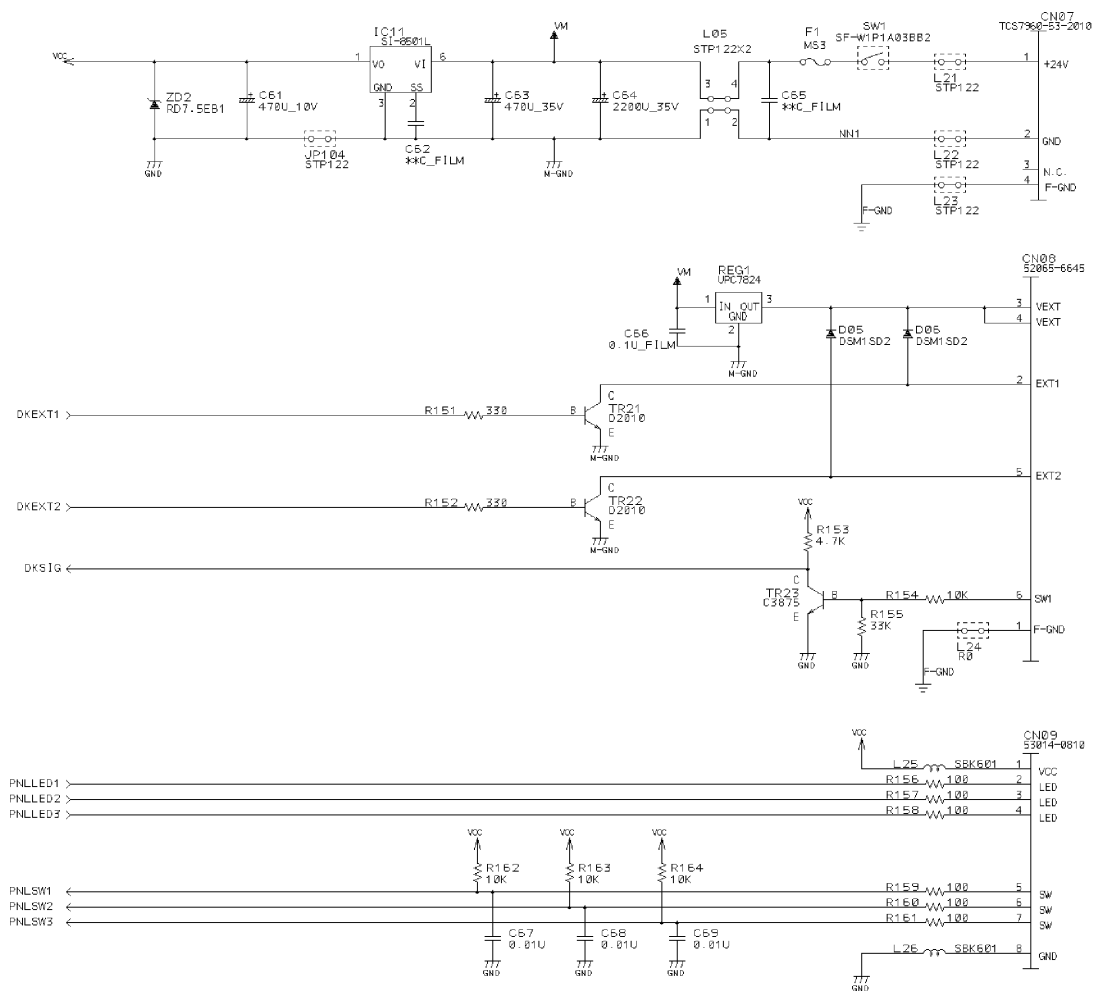
5-1. Circuit Diagram



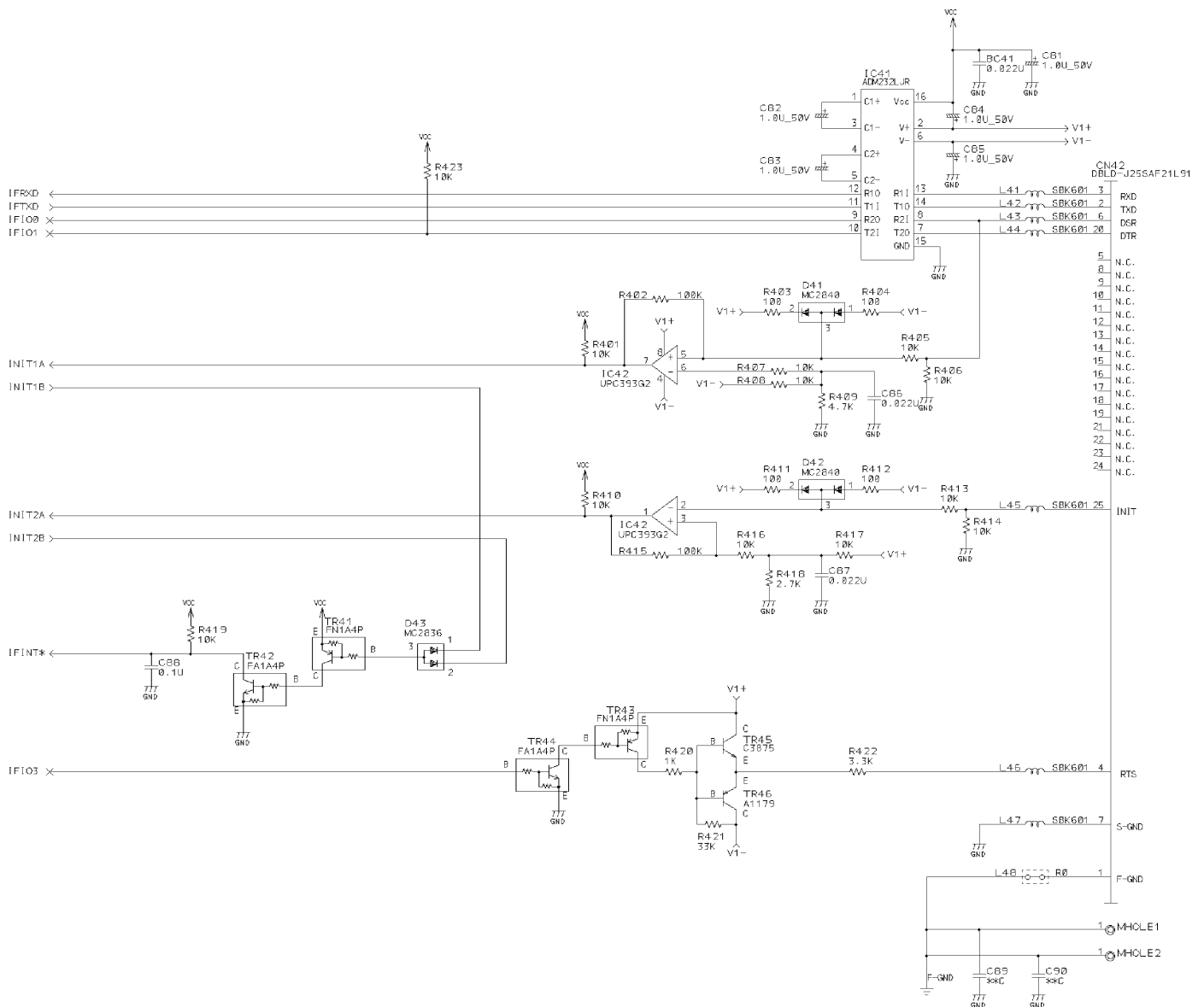
Main Logic Board (1/5)



Main Logic Board (3/5)



Main Logic Board (4/5)



Main Logic Board (5/5)

5-2. Parts List

Main Logic Board

DRWG.NO.	REV.	PARTS NO.	PARTS NAME	Q'TY	REMARKS	RANK
BC01-07		05752236	CERA. CAPA. CHIP 0.022UF 50V	7		
BC08-09					NOT USED	
BC10		05752236	CERA. CAPA. CHIP 0.022UF 50V	1		
BC11-40					NOT USED	
BC41		05752236	CERA. CAPA. CHIP 0.022UF 50V	1		
C01		05752236	CERA. CAPA. CHIP 0.022UF 50V	1		
C02		05122241	CERA. CAPA. CHIP 0.22UF 16V	1		
C03-04		05752236	CERA. CAPA. CHIP 0.022UF 50V	2		
C05-09					NOT MOUNTED	
C10		05752236	CERA. CAPA. CHIP 0.022UF 50V	1		
C11-13					NOT MOUNTED	
C51		05252236	FILM CAPA. 0.022UF 50V	1		
C52		05253335	FILM CAPA. 0.033UF 50V	1		
C53		05254742	FILM CAPA. 0.47UF 50V	1		
C54-55		05752224	CERA. CAPA. CHIP 2200PF 50V	2		
C56		05752236	CERA. CAPA. CHIP 0.022UF 50V	1		
C57-58					NOT MOUNTED	
C61		05014776	CHEM. CAPA. 470UF 10V	1		
C62					NOT MOUNTED	
C63		05044771	CHEM. CAPA. 470UF 35V	1		
C64		05042281	CHEM. CAPA. 2200UF 35V	1		
C65					NOT MOUNTED	
C66		05251044	FILM CAPA. 0.1UF 50V	1		
C67-69		05751035	CERA. CAPA. CHIP 0.01UF 50V	3		
C81-85		05051057	CHEM. CAPA. 1UF 50V	5		
C86-87		05752236	CERA. CAPA. CHIP 0.022UF 50V	2		
C88		05751045	CERA. CAPA. CHIP 0.1UF 50V	1		
C89-90					NOT MOUNTED	
C501-502		05752236	CERA. CAPA. CHIP 0.022UF 50V	2		
CN01		09100419	CONNECTOR HLEM19S-1	1		
CN02		09100278	CONNECTOR 5483-06A-RED	1		
CN03		09100270	CONNECTOR 5483-02A	1		
CN04		09100341	CONNECTOR 53014-0610	1		
CN07		09100636	CONNECTOR TCS7960-53-2010	1		
CN08		09100421	CONNECTOR 52065-6645	1		
CN09		09100713	CONNECTOR 53014-0810	1		
CN42		09100483	CONNECTOR DBLD-J25SAF-21L9-1	1		
D01-03		08000091	DIODE DSM1SD2*A	3		
D05-06		08000091	DIODE DSM1SD2*A	2		
D41-42		08000059	DIODE CHIP MC2840	2		
D43		08000068	DIODE CHIP MC2836	1		
DSW1		09090054	DIP SWITCH SD-10ZL	1		
F1		09991018	FUSE MS3A-125V	1		
IC01		08200109	IC-RESET M51953BL	1		
IC02		08240089	GATE ARRAY LZ9GJ13-SP9W1	1		S
IC03		08251012	CPU HD6413004F16	1		S
IC04		08221055	SRAM LH52256CN-70LL	1		
IC05		08222103	EPROM M27C1001-10F1	1		
IC05-06		09110077	IC SOCKET ICS-32-2T	2		
IC07		08222047	EEPROM KM93C46	1		
IC09		08200128	IC-MOTOR M51971L	1		
IC10		08201013	IC-LIN UPC393G2*T1	1		
IC11		08202033	IC-REG SI-8501L	1		
IC41		08200157	IC-I/F ADM232LJR*SOL16	1		
IC42		08201013	IC-LIN UPC393G2*T1	1		
JP1					NOT MOUNTED	

Main Logic Board

DRWG.NO.	REV.	PARTS NO.	PARTS NAME	Q'TY	REMARKS	RANK
JP2		06750004	CHIP RESISTOR 0 OHM 1/10W	1		
JP3		06750004	CHIP RESISTOR 0 OHM 1/10W	1		
JP4					NOT MOUNTED	
JP5		06750004	CHIP RESISTOR 0 OHM 1/10W	1		
JP6-7					NOT MOUNTED	
JP8		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
JP9					NOT MOUNTED	
JP10		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
JP11					NOT MOUNTED	
JP12		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
JP13					NOT MOUNTED	
JP14		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
JP15					NOT MOUNTED	
JP16		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
JP17					NOT MOUNTED	
JP18		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
JP19					NOT MOUNTED	
JP20		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
JP21					NOT MOUNTED	
JP22		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
JP104		93930006	JUMPER WIRE STP122	1	L=5mm	
L01-04		09990738	BEADS INDUCTOR SBK2125-601Y	4		
L05		93930006	JUMPER WIRE STP122	1	L=8mmx2	
L21-23		93930006	JUMPER WIRE STP122	3	L=5mm	
L24		06750004	CHIP RESISTOR 0 OHM 1/10W	1		
L25-26		09990738	BEADS INDUCTOR SBK2125-601Y	2		
L41-47		09990738	BEADS INDUCTOR SBK2125-601Y	7		
L48		06750004	CHIP RESISTOR 0 OHM 1/10W	1		
R001		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
R002		06752224	CHIP RESISTOR 2.2 K-OHM 1/10W	1		
R003		06752234	CHIP RESISTOR 22 K-OHM 1/10W	1		
R004		06751525	CHIP RESISTOR 1.5 K-OHM 1/10W	1		
R005		06754711	CHIP RESISTOR 470 OHM 1/10W	1		
R006-007		06751021	CHIP RESISTOR 1 K-OHM 1/10W	2		
R008		06754711	CHIP RESISTOR 470 OHM 1/10W	1		
R010		06751014	CHIP RESISTOR 100 OHM 1/10W	1		
R011-012		06753314	CHIP RESISTOR 330 OHM 1/10W	2		
R013		06754711	CHIP RESISTOR 470 OHM 1/10W	1		
R014-015		06753314	CHIP RESISTOR 330 OHM 1/10W	2		
R016-022		06751031	CHIP RESISTOR 10 K-OHM 1/10W	7		
R023-026		06751014	CHIP RESISTOR 100 OHM 1/10W	4		
R027		06751021	CHIP RESISTOR 1 K-OHM 1/10W	1		
R028-029		06751035	CHIP RESISTOR 10 K-OHM 1/10W	2		
R030-031		06751031	CHIP RESISTOR 10 K-OHM 1/10W	2		
R032-034		06751014	CHIP RESISTOR 100 OHM 1/10W	3		
R039-041		06751031	CHIP RESISTOR 10 K-OHM 1/10W	3		
R050		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
R051-053		06751014	CHIP RESISTOR 100 OHM 1/10W	3		
R054-063		06751031	CHIP RESISTOR 10 K-OHM 1/10W	10		
R064-065		06753314	CHIP RESISTOR 330 OHM 1/10W	2		
R101-109		06753314	CHIP RESISTOR 330 OHM 1/10W	9		
R110		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
R111		06753324	CHIP RESISTOR 3.3 K-OHM 1/10W	1		
R112		06056824	RD RESISTOR 6.8 K-OHM 1/6W	1		
R113		06752031	CHIP RESISTOR 20 K-OHM 1/10W	1		
R114		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		

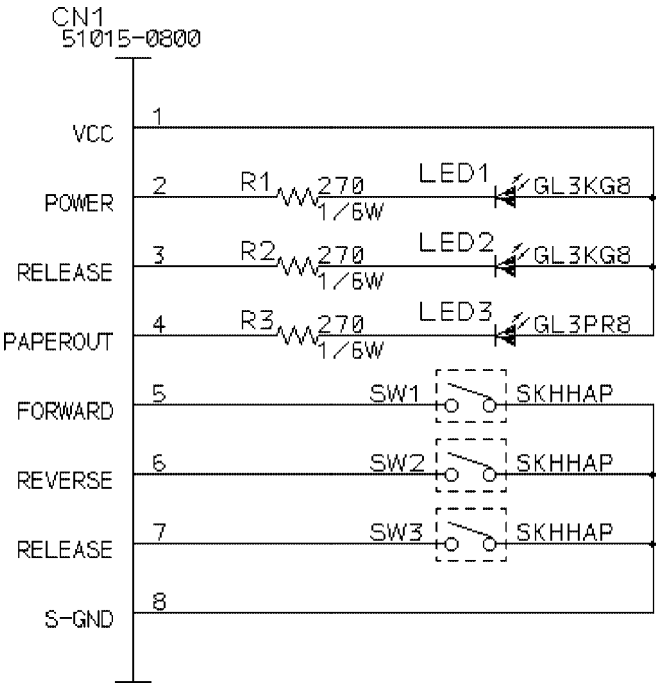
Main Logic Board

DRWG.NO.	REV.	PARTS NO.	PARTS NAME	Q'TY	REMARKS	RANK
R115		06751021	CHIP RESISTOR 1 K-OHM 1/10W	1		
R116		06754721	CHIP RESISTOR 4.7 K-OHM 1/10W	1		
R117-118		06751021	CHIP RESISTOR 1 K-OHM 1/10W	2		
R119-120		06754721	CHIP RESISTOR 4.7 K-OHM 1/10W	2		
R121-123		06751031	CHIP RESISTOR 10 K-OHM 1/10W	3		
R124-127		06753324	CHIP RESISTOR 3.3 K-OHM 1/10W	4		
R128		06753314	CHIP RESISTOR 330 OHM 1/10W	1		
R129		06751021	CHIP RESISTOR 1 K-OHM 1/10W	1		
R130		06754721	CHIP RESISTOR 4.7 K-OHM 1/10W	1		
R131		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
R132		06752725	CHIP RESISTOR 2.7 K-OHM 1/10W	1		
R133		06753324	CHIP RESISTOR 3.3 K-OHM 1/10W	1		
R134-135		06753314	CHIP RESISTOR 330 OHM 1/10W	2		
R136		06751021	CHIP RESISTOR 1 K-OHM 1/10W	1		
R137		06754721	CHIP RESISTOR 4.7 K-OHM 1/10W	1		
R138		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
R139		06752725	CHIP RESISTOR 2.7 K-OHM 1/10W	1		
R140		06753324	CHIP RESISTOR 3.3 K-OHM 1/10W	1		
R151-152		06753314	CHIP RESISTOR 330 OHM 1/10W	2		
R153		06754721	CHIP RESISTOR 4.7 K-OHM 1/10W	1		
R154		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
R155		06753334	CHIP RESISTOR 33 K-OHM 1/10W	1		
R156-161		06751014	CHIP RESISTOR 100 OHM 1/10W	6		
R162-164		06751031	CHIP RESISTOR 10 K-OHM 1/10W	3		
R401		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
R402		06751041	CHIP RESISTOR 100 K-OHM 1/10W	1		
R403-404		06751014	CHIP RESISTOR 100 OHM 1/10W	2		
R405-408		06751031	CHIP RESISTOR 10 K-OHM 1/10W	4		
R409		06754721	CHIP RESISTOR 4.7 K-OHM 1/10W	1		
R410		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
R411-412		06751014	CHIP RESISTOR 100 OHM 1/10W	2		
R413-414		06751031	CHIP RESISTOR 10 K-OHM 1/10W	2		
R415		06751041	CHIP RESISTOR 100 K-OHM 1/10W	1		
R416-417		06751031	CHIP RESISTOR 10 K-OHM 1/10W	2		
R418		06752725	CHIP RESISTOR 2.7 K-OHM 1/10W	1		
R419		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
R420		06751021	CHIP RESISTOR 1 K-OHM 1/10W	1		
R421		06753334	CHIP RESISTOR 33 K-OHM 1/10W	1		
R422		06753324	CHIP RESISTOR 3.3 K-OHM 1/10W	1		
R423		06751031	CHIP RESISTOR 10 K-OHM 1/10W	1		
RA01		06581022	RESIS. ARRAY 1 K-OHM 1/8W 9EL	1		
RA02		06581024	RESIS. ARRAY 1 K-OHM 1/8W 5EL	1		
RA03-06		06541011	RESIS. ARRAY CHIP V8V101J	4		
RA07-12		06543311	RESIS. ARRAY CHIP V8V331J	6		
RA14-19		06541011	RESIS. ARRAY CHIP V8V101J	6		
REG1		08202011	IC-REG UPC7824	1		
SW1		09030036	SEESAW SWITCH SF-W1P1A03BB2	1		
TA1		07650056	TRANSISTOR ARRAY UPA1428AH	1		
TR01		07013621	CHIP TRANSISTOR 2SA1362GR*85R	1		
TR02		07238754	CHIP TRANSISTOR 2SC3875S-G*AL	1		
TR03-11		07320411	TRANSISTOR 2SD2041	9		S
TR12		07238754	CHIP TRANSISTOR 2SC3875S-G*AL	1		
TR13		07011793	CHIP TRANSISTOR 2SA1179M6-STR	1		
TR14		07308821	TRANSISTOR 2SD882P	1		
TR15		07113591	TRANSISTOR 2SB1359	1		
TR16		07320101	TRANSISTOR 2SD2010	1		

Main Logic Board

DRWG.NO.	REV.	PARTS NO.	PARTS NAME	Q'TY	REMARKS	RANK
TR17		07238754	CHIP TRANSISTOR 2SC3875S-G*AL	1		
TR18		07113591	TRANSISTOR 2SB1359	1		S
TR19-22		07320101	TRANSISTOR 2SD2010	4		
TR23		07238754	CHIP TRANSISTOR 2SC3875S-G*AL	1		
TR41		07603017	DIGITAL TRANSISTOR FN1A4P	1		
TR42		07603016	DIGITAL TRANSISTOR FA1A4P	1		
TR43		07603017	DIGITAL TRANSISTOR FN1A4P	1		
TR44		07603016	DIGITAL TRANSISTOR FA1A4P	1		
TR45		07238754	CHIP TRANSISTOR 2SC3875S-G*AL	1		
TR46		07011793	CHIP TRANSISTOR 2SA1179M6-STR	1		
VR1		06496821	RP RESISTOR RH0615CS-6.8K	1		
VR2-3		06452234	RP RESISTOR RH0615CS-22K	2		
XTAL		09250064	CERA. OSCILLATOR EF0-EC1605T4	1		
ZD1		08020126	ZENER DIODE CHIP HZU20B2TRF	1		
ZD2		08020090	ZENER DIODE RD7.5EB1T	1		

6. Control Panel Board



DRWG.NO.	REV.	PARTS NO.	PARTS NAME	Q'TY	REMARKS	RANK
CN1		30721310	CABLE UNIT 8X75CC SCP7	1		
LED1-2		08300101	LED GL3KG8	2		
LED3		08300069	LED GL3PR8	1		
R1-3		06052714	RD RESISTOR 270 OHM 1/6W	3		
SW1-3		09010060	PUSH SWITCH SKHHAP	3		