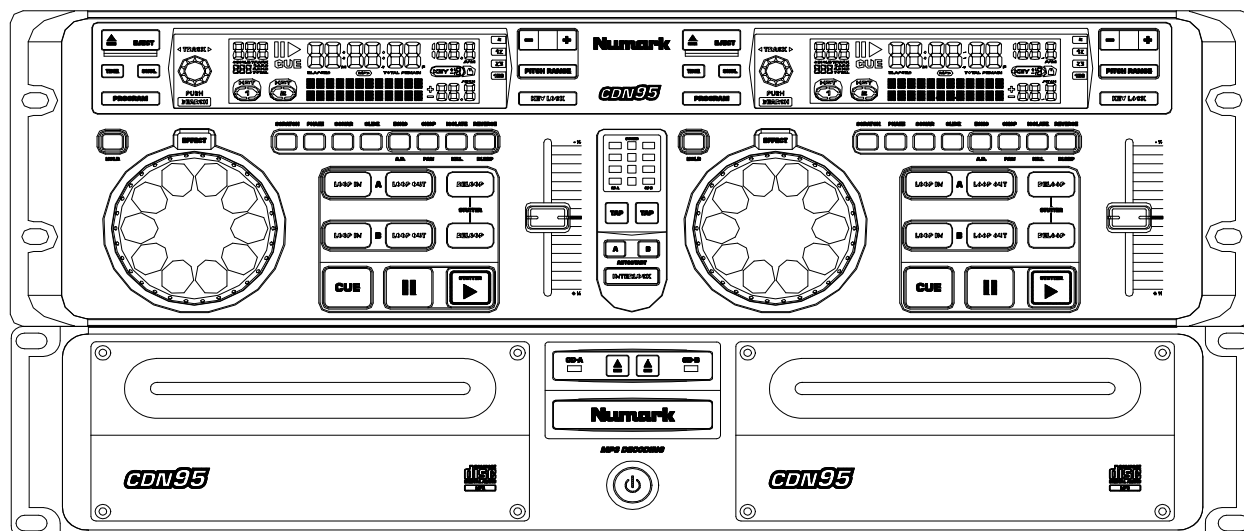


SERVICE MANUAL

MODEL: CDN 95



SPECIFICATION

FUNCTION

PITCH RANGE.....Activates and Sets pitch Slider range
PITCH BEND +/-.....Works as pitch bend and Controls Key and pitch function
KEY LOCK.....Used for various Key Control
TIME.....Controls display indication of time mode
SINGLE.....To Set play mode in Single or Continuous Play
PROGRAM.....Used for setting track order and various special Commands
CUE.....To move the music to the cue point and preview the Selection
PAUSE.....To pause the music
PLAY.....To start the music from the initial cue point
LOOP IN/OUT/RELOOP.....Used to Set stutter and loop in points / Used to set loop out points and release the loop/ Use for repeated play (stutter) from the loop in point, repeating a previously set, and hot start
TRACK/ PUSH SEARCH.....Rotation – selects tracks
Pressing while rotating – selects tracks +10
Pressing once – puts wheel in search mode
TAP.....Tracks the beats and measure position of music
INTERLOCK.....Links both players for beat alignment
EFFECT.....Used to determine desired effect

STANDARD

OUTPUT LEVEL.....1.3±0.2 V_{rms} (1KHz OdB)
S/N RATIO.....MORE THAN 70dB
FREQUENCY RESPONSE.....20Hz~20KHz±2 dB
DYNAMIC RANGE.....MORE THAN 80dB
CHANNEL SEPARATION.....MORE THAN 70dB
CHANNEL BALANCE.....±1dB
HARMONIC DISTORTION.....LESS THAN 0.03%

DISASSEMBLY PROCEDURES

1. REMOVAL OF TOP COVER (Fig1)

- (A) TAKE OUT THE 10 PCS SCREW FROM WHICH THE CABINET FRONT IS MOUNTED IN PLACE.

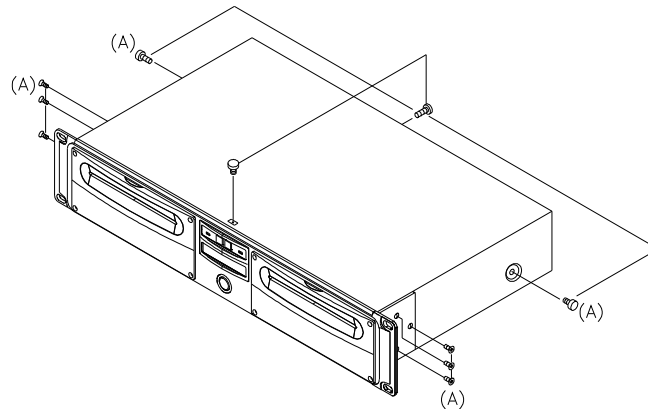


Fig.1

2. REMOVAL OF DOOR PANEL AND PCB (Fig2)

- (A) REMOVAL OF DOOR PANEL TAKE OUT THE 8 PCS SCREW
(B) REMOVAL OF POWER PCB TAKE OUT THE 4 PCS SCREW
(C).REMOVE THE CONNTER ON THE MP3 PCB
(D).REMOVE THE 6 PCS HOLDER ON THE DSP PCB AND MAIN PCB
(E) REMOVE THE 4 PCS HOLDER ON THE SEVIER PCB AND MAIN PCB

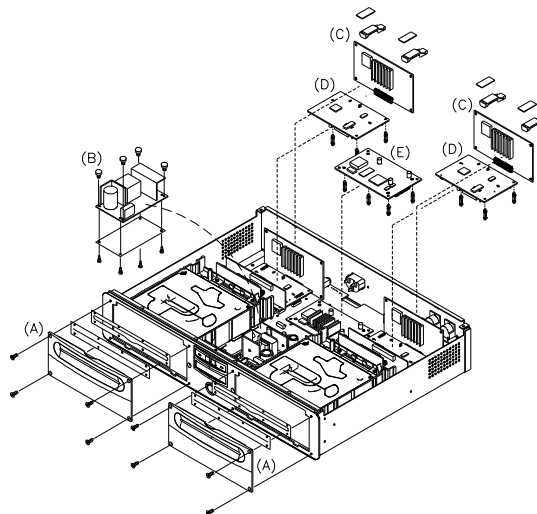


Fig.2

3. REMOVAL OF FRONT PANEL AND REAR PANEL (Fig3)

- (A). REMOVAL OF FRONT PANEL AND FIXED PANEL TAKE OUT THE 9 PCS SCREW
(B). REMOVAL OF MIDI PCB TAKE OUT THE 2 PCS SCREW
(C). REMOVAL OF POWER CONNTER TAKE OUT THE 2 PCS SCREW
(D).REMOVAL THE 22 PCS SCREW ON THE REAR PANEL

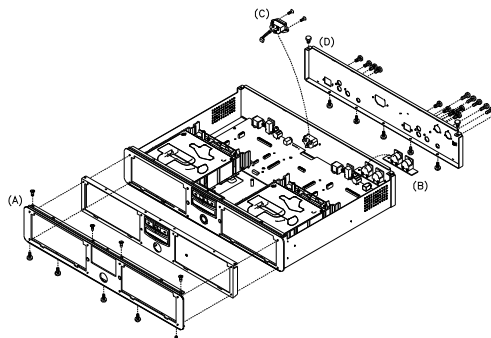


Fig.3

DISASSEMBLY PROCEDURES

4.REMOVAL OF MAIN PCB AND CM-H90 MECHANISM (Fig.4)

(A.) REMOVAL THE 6 PCS HOLDER ON THE MAIN PCB

(B.) REMOVAL THE 8PCS CONNECTOR ON THE CM-H90 MECHANISM(CN1,CN2)

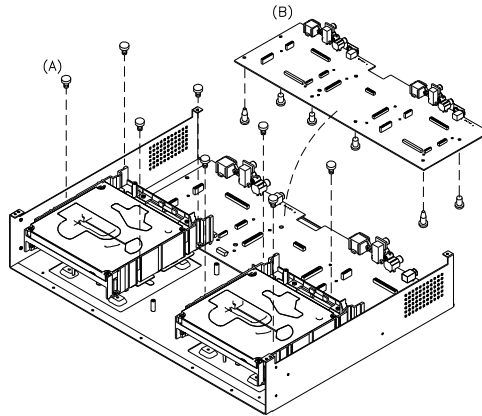


Fig.4

5.REMOVAL OF CONTROL PCB (Fig.5)

(A.)REMOVAL THE 16PCS SCREW ON THE REAR COVER AND FIXED HOLDER

(B.)DEPART 2PCS VR KNOB ON THE FRONT PANEL

(C.)REMOVAL 27PCS SCREW ON THE LCD PCB AND CONTROL PCB

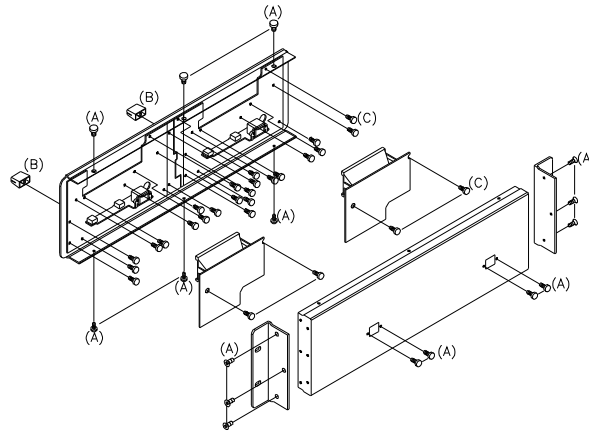
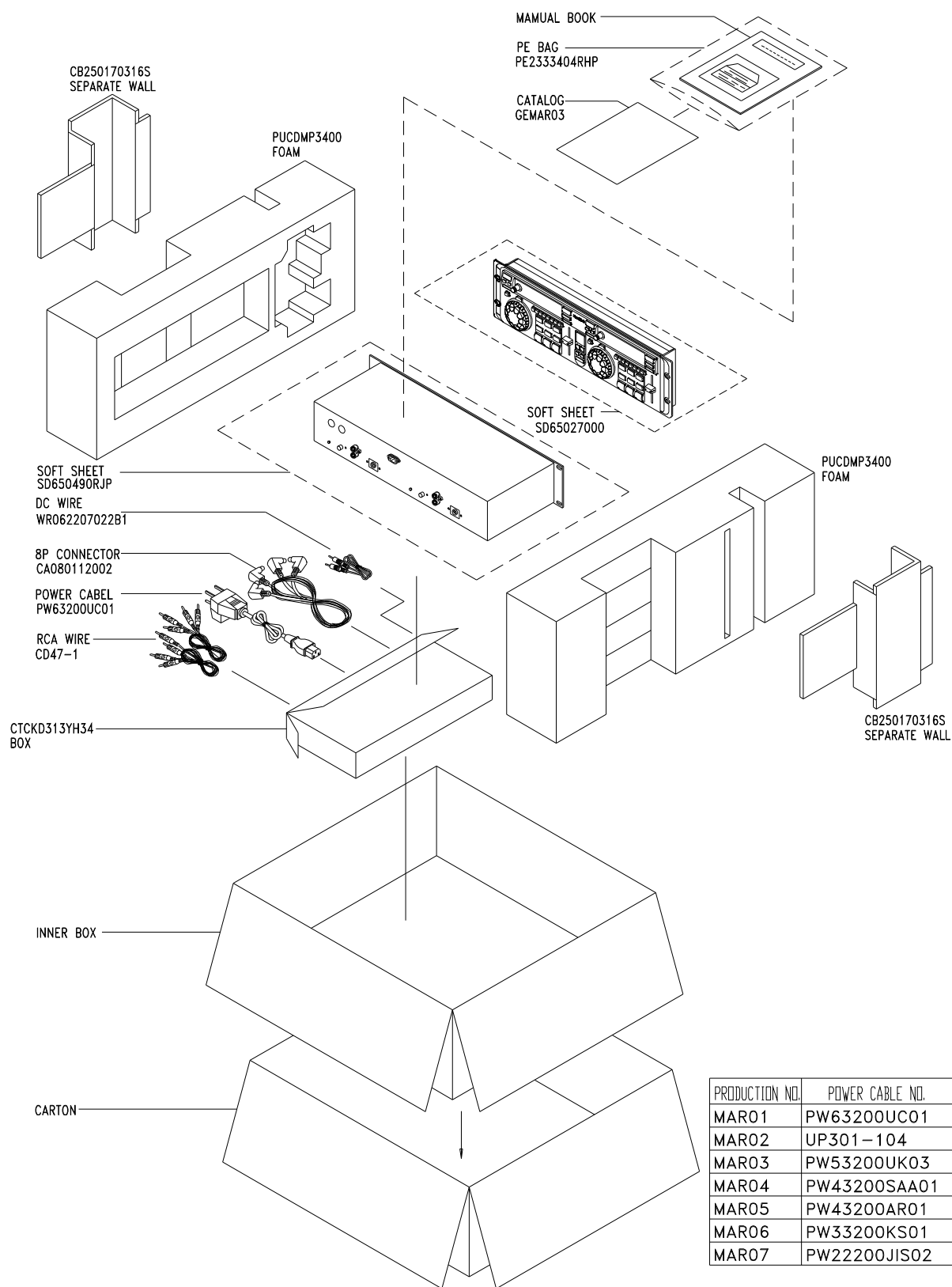


Fig.6

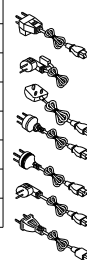
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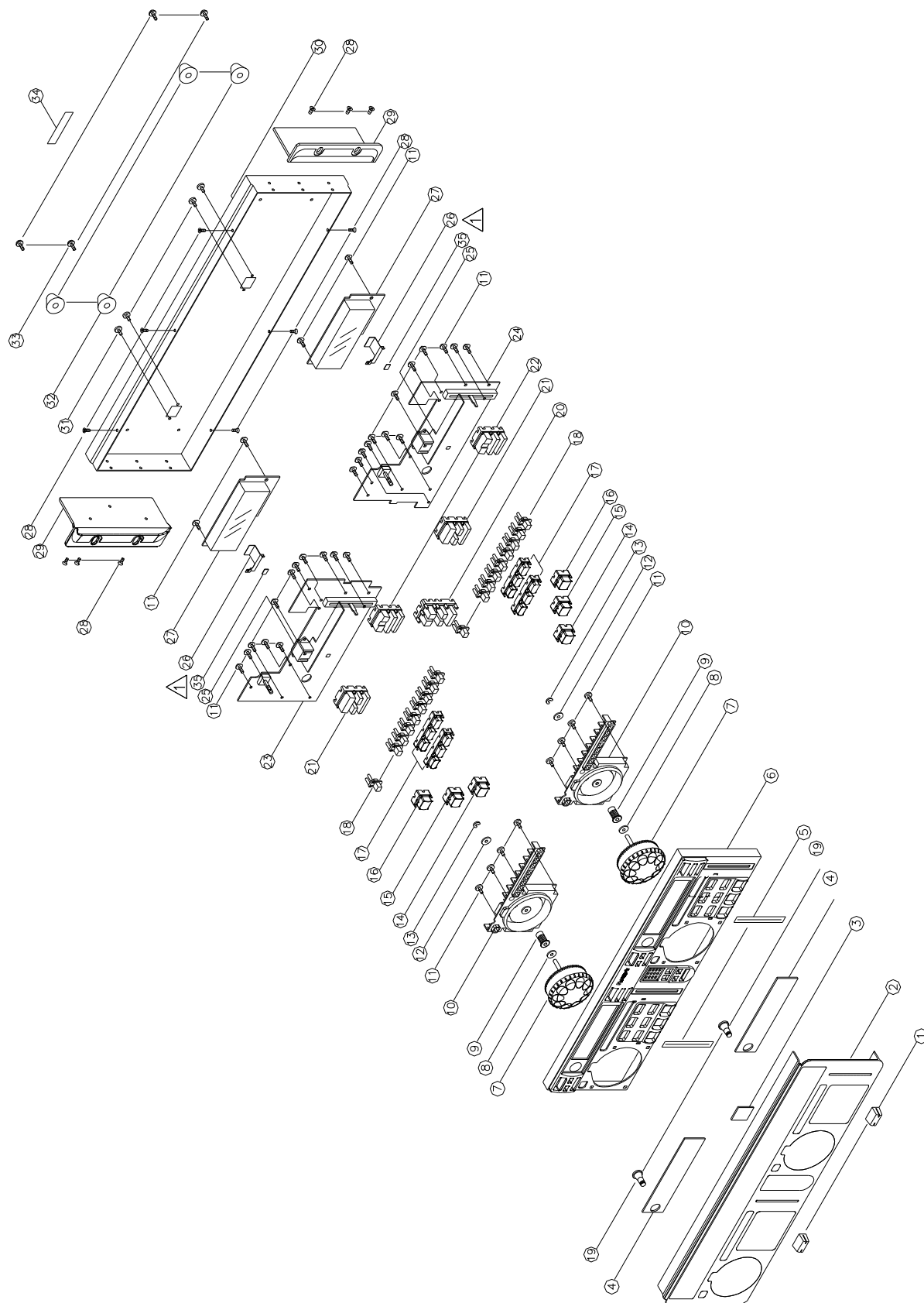
# PACKING DIAGRAM



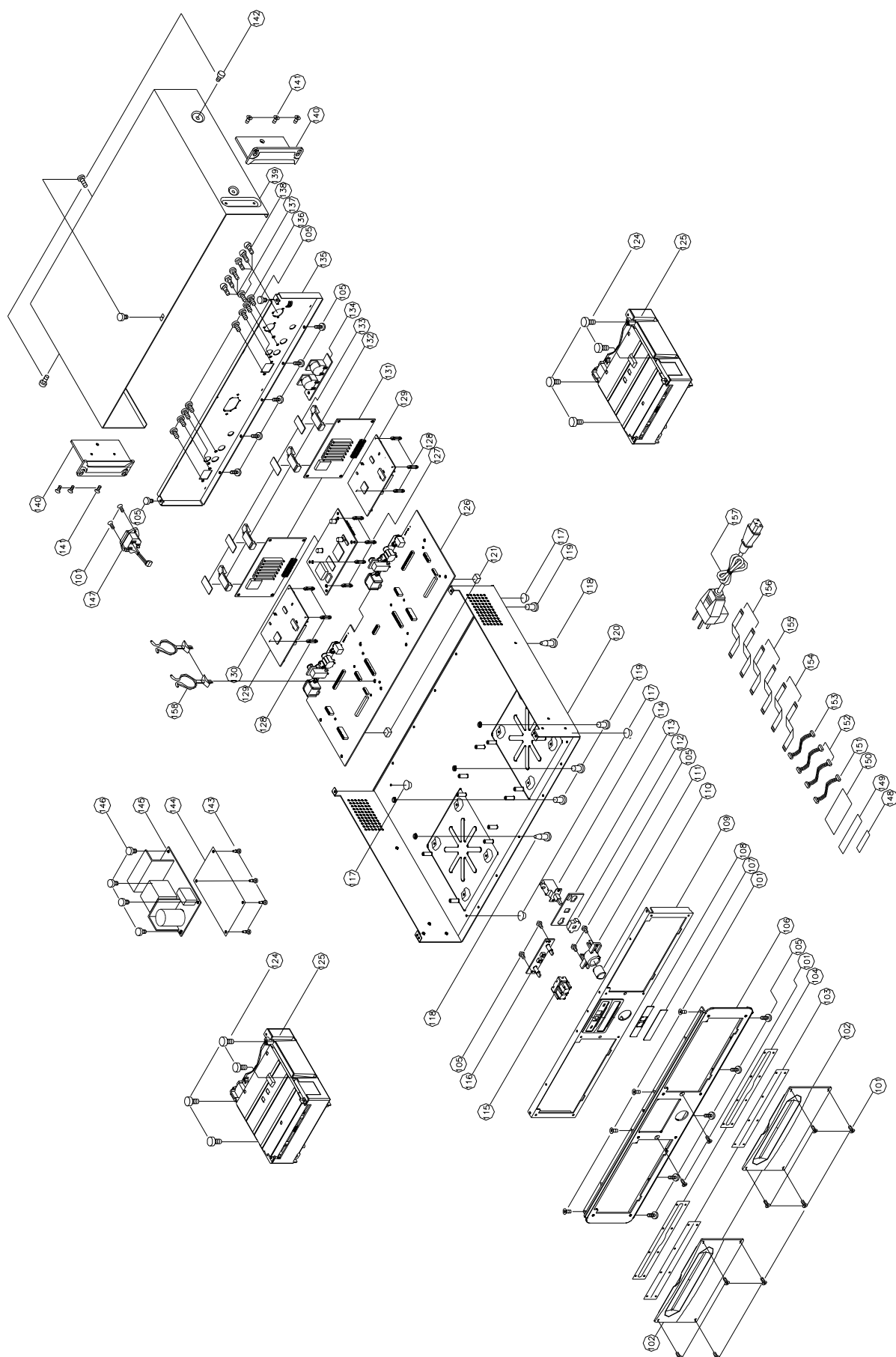
| PRODUCTION NO. | POWER CABLE NO. |
|----------------|-----------------|
| MAR01          | PW63200UC01     |
| MAR02          | UP301-104       |
| MAR03          | PW53200UK03     |
| MAR04          | PW43200SAA01    |
| MAR05          | PW43200AR01     |
| MAR06          | PW33200KS01     |
| MAR07          | PW22200JIS02    |



# EXPLODED VIEW (CONTROL UNIT)



# EXPLODED VIEW (MAIN UNIT)



# CDN95MAR BOM

| LEVEL | P/N           | DESCRIPTION          | QTY | REF          |           |
|-------|---------------|----------------------|-----|--------------|-----------|
|       |               |                      |     | CONTROL UNIT | MAIN UNIT |
| 1     | BAAR-055      | PAD                  | 4   |              | 117       |
| 1     | BACA-04T      | CABLE CLIP           | 2   |              | 158       |
| 1     | BAPBS-15      | PCB HOLDER           | 6   |              | 128       |
| 1     | BAPBS-8       | PCB HOLDER           | 4   |              | 127       |
| 1     | BAPR-36A      | PCB HOLDER           | 4   |              | 143       |
| 1     | CA080112002   | CONNECTOR            | 2   |              |           |
| 1     | CD47-1        | PHONO CORD           | 2   |              |           |
| 1     | CL13001       | WIRE TIE             | 1   |              |           |
| 1     | CN0520001702  | 5P CONNECTOR         | 1   |              | 151       |
| 1     | CN0620001901  | CONNECTOR(6P WIRE)   | 2   |              |           |
| 1     | CN0825000701  | 5P CONNECTOR         | 1   |              | 153       |
| 1     | CSM800YAH01   | MECHANISM            | 2   |              | 125       |
| 1     | ERE73         | 3MM E RING           | 2   | 13           |           |
| 1     | EVA0604401    | EVA                  | 4   |              | 133       |
| 1     | FFC1410000701 | FFC                  | 2   |              | 134       |
| 1     | FFC1610003001 | CONNECTOR            | 2   |              |           |
| 1     | FW104210IZ    | WASHER               | 2   | 8            |           |
| 1     | JK7SC92       | AC SOCKET            | 1   |              |           |
| 1     | K46-1         | CABLE TIE            | 11  |              |           |
| 1     | LA45YH208     | LABEL                | 2   |              |           |
| 1     | LA62GMN37     | DATE LABEL           | 1   |              | 148       |
| 1     | LAC22MAR112   | BAR CODE LABEL       | 1   | 34           | 149       |
| 1     | LAC47YH211    | INSTRUCTION LABEL    | 1   |              | 150       |
| 1     | LAC62MAR113   | BAR CORD LABLE       | 2   |              |           |
| 1     | LCM-WNB004    | LCM                  | 2   | 27           |           |
| 1     | MT0604435     | FIXED HOLDER         | 2   | 29           |           |
| 1     | MT0604436     | FIXED HOLDER         | 2   |              | 140       |
| 1     | MT0605502     | BRASS                | 2   | 9            |           |
| 1     | MT062043002   | REAR PANEL           | 1   | 30           |           |
| 1     | MT062044701   | REAR COVER           | 1   |              | 135       |
| 1     | MT0630040101  | FRONT PANEL          | 1   | 2            |           |
| 1     | MT063005401   | FRONT PANEL PRINTING | 1   |              | 106       |
| 1     | MT0630103     | DUST COVER           | 1   |              | 139       |
| 1     | MT0630355     | CHASSIS              | 1   |              | 120       |
| 1     | NM0604401     | VELVET CARPET        | 2   |              | 103       |
| 1     | NM0606113     | FELT MAT             | 2   | 5            |           |
| 1     | NP206MAR07    | NAME PLATE           | 2   | 4            |           |
| 1     | NP206MAR11    | NAME PLATE LED       | 1   | 3            |           |
| 1     | NP206MAR12    | NAME PLATE           | 1   |              | 107       |
| 1     | NP206MAR13    | NAME PLATE           | 1   |              | 108       |
| 1     | NP206YAH33    | NAME PLATE           | 2   |              | 104       |
| 1     | OTYNA03026    | SWITCH POWER         | 1   |              | 145       |
| 1     | PT0103208     | P.C. BOARD HOLDER    | 2   |              | 118       |
| 1     | PT060291302   | TRAY PANEL           | 2   |              | 102       |
| 1     | PT0604423     | PROTECT FRAME        | 1   |              | 111       |
| 1     | PT060443702   | FIXED HOLDER         | 2   | 10           |           |
| 1     | PT060444701   | FIXED HOLDER         | 1   |              | 109       |
| 1     | PT060445001   | FIXED HOLDER         | 1   | 6            |           |
| 1     | PT0604455     | FIXED HOLDER         | 4   |              | 132       |
| 1     | PT0604707     | PROTRCTOR            | 1   |              | 144       |
| 1     | PT0610607     | KNOB                 | 2   | 19           |           |
| 1     | PT0610610     | KNOB                 | 18  | 18           |           |
| 1     | PT061072001   | ROTATE KNOB          | 2   | 7            |           |
| 1     | PT061072101   | KNOB POWER           | 1   |              | 110       |
| 1     | PT0703202     | P.C. BOARD HOLDER    | 4   |              | 119       |
| 1     | PT1110616     | VR KNOB              | 2   | 1            |           |
| 1     | PW63200UC01   | POWER SUPPLY CORD    | 1   |              | 157       |
| 1     | RU0130603     | PU STAND             | 4   | 32           |           |
| 1     | RU0604405     | RUBBER               | 2   |              | 121       |
| 1     | RU0610636     | RUBBER KNOB          | 1   |              | 112       |
| 1     | RU061066801   | RUBBER KNOB          | 4   | 17           |           |
| 1     | RU061066905   | RUBBER KNOB          | 2   | 15           |           |
| 1     | RU061066906   | RUBBER KNOB          | 2   | 16           |           |
| 1     | RU061066907   | RUBBER KNOB          | 2   | 14           |           |

|   |                     |                        |    |                                            |     |
|---|---------------------|------------------------|----|--------------------------------------------|-----|
| 1 | RU061067001         | RUBBER KNOB            | 2  | 22                                         |     |
| 1 | RU061067101         | RUBBER KNOB            | 2  | 21                                         |     |
| 1 | RU061067202         | RUBBER KNOB            | 1  | 20                                         |     |
| 1 | RU061067901         | RUBBER KNOB            | 1  |                                            | 115 |
| 1 | SC0208RABI          | SCREW                  | 6  |                                            | 138 |
| 1 | SC0306PBB1          | SCREW                  | 8  | 31                                         | 142 |
| 1 | SC0306RBZ1          | SCREW                  | 55 | 11                                         | 105 |
| 1 | SC0306RIC1          | SCREW                  | 1  |                                            | 137 |
| 1 | SC0308FBB1          | SCREW                  | 28 | 28                                         | 101 |
| 1 | SC0308RBZ1          | SCREW                  | 8  |                                            | 136 |
| 1 | SC0308RIZ1          | SCREW                  | 4  |                                            | 146 |
| 1 | SC0310BIB1          | SCREW                  | 8  |                                            |     |
| 1 | SC0310WBZ1          | SCREW                  | 4  | 33                                         |     |
| 1 | SC0314FBB1          | SCREW                  | 6  |                                            | 141 |
| 1 | TSCDM01             | CD                     | 1  |                                            |     |
| 1 | TWCD6019            | ASSY,POWER PCB         | 1  |                                            | 114 |
| 1 | TWJK7SC9205         | AC BASE ASS'Y          | 1  |                                            | 147 |
| 1 | TWPC01C01307        | SERVER PCB ASS'Y       | 2  |                                            |     |
| 1 | TWPC03C01103        | MP3 DECODE ASS'Y       | 2  |                                            | 131 |
| 1 | TWPC03C07001        | P.C.BOARD ASS'Y        | 1  |                                            |     |
| 1 | TWPC03C07002        | P.C.BOARD ASS'Y        | 1  |                                            |     |
| 1 | TWPC03C08901        | DSP PCB ASS'Y          | 1  |                                            | 130 |
| 1 | TWPC03C09001        | P.C.BOARD ASS'Y        | 1  |                                            | 126 |
| 1 | TWPC03C09701        | MECHA PCB ASS'Y        | 1  |                                            |     |
| 1 | UHBFH285X75X15      | LOOP CORE              | 2  |                                            |     |
| 1 | WR062207022B1       | DC WIRE                | 2  |                                            |     |
| 1 | WS113004503P        | WASHER                 | 2  | 12                                         |     |
|   |                     |                        |    |                                            |     |
| 1 | <b>TWPC01C01307</b> | <b>SERVO PCB ASS'Y</b> | 1  |                                            |     |
| 2 | CN0100001201        | 1P CONNECTOR (120mm)   | 1  | (C901)                                     |     |
| 2 | CN0220001001        | 2P CONNECTOR (100mm)   | 1  | (T1)                                       |     |
| 2 | CS102K5005X7R       | CERAMIC 1000P (SMD)    | 1  | C21                                        |     |
| 2 | CS103K5005X7R       | CERAMIC 0.01UF (SMD)   | 2  | C23,40                                     |     |
| 2 | CS103Z5005Y5V       | CERAMIC 0.01UF (SMD)   | 1  | C1                                         |     |
| 2 | CS104K2505X7R       | CERAMIC 0.1UF (SMD)    | 2  | C5,25                                      |     |
| 2 | CS104Z2505Y5V       | CERAMIC 0.1UF (SMD)    | 15 | C4,6,8,9,11,12,16,27,29,30,32,37,39,43,901 |     |
| 2 | CS152K5005X7R       | CERAMIC 1500P (SMD)    | 1  | C20                                        |     |
| 2 | CS153K5005X7R       | CERAMIC 0.015UF (SMD)  | 1  | C201                                       |     |
| 2 | CS221J5005COG       | CERAMIC 220P (SMD)     | 1  | C18                                        |     |
| 2 | CS300J5005COG       | CERAMIC 30P (SMD)      | 2  | C13,14                                     |     |
| 2 | CS333K5005X7R       | CERAMIC 0.033UF (SMD)  | 2  | C41,42                                     |     |
| 2 | CS471J5005COG       | CERAMIC 470P (SMD)     | 2  | C24,26                                     |     |
| 2 | CS473K5005X7R       | CERAMIC 0.047UF (SMD)  | 1  | C19                                        |     |
| 2 | CS681J5005COG       | CERAMIC 680P (SMD)     | 4  | C33~36                                     |     |
| 2 | DIENLL4148SM        | DIODE ENLL4148SM (SMD) | 2  | D1,2                                       |     |
| 2 | EC10716TS           | ELECT 100UF/16V (S)    | 8  | C2,3,7,10,15,28,31,38                      |     |
| 2 | EC47550TS           | ELECT 4.7UF/50V (S)    | 1  | C22                                        |     |
| 2 | FCN1R1001601        | 16P FFC CONNECTOR      | 1  | (CN1)                                      |     |
| 2 | ICBA5970FP          | IC BA5970FP            | 1  | IC3                                        |     |
| 2 | ICXA2581N           | IC CXA2581N            | 1  | IC1                                        |     |
| 2 | ICCXD3068Q          | IC CXD3068Q            | 1  | IC2                                        |     |
| 2 | JW5206T             | JUMP WIRE              | 37 | J1~37                                      |     |
| 2 | MC47463T            | MALYER 0.47UF/63V      | 1  | C17                                        |     |
| 2 | MT0604434           | FIXED PLATE            | 1  | -                                          |     |
| 2 | PC01C013            | SERVO PCB              | 1  | -                                          |     |
| 2 | RS00018J05          | RESISTOR 0Ω (SMD)      | 8  | R23,46~49,JS1~3                            |     |
| 2 | RS10018J05          | RESISTOR 10Ω (SMD)     | 1  | R1                                         |     |
| 2 | RS10118J05          | RESISTOR 100Ω (SMD)    | 6  | R13~15,17,50,JS4                           |     |
| 2 | RS10318J05          | RESISTOR 10K (SMD)     | 8  | R2,3,22,24,30,43,44,201                    |     |
| 2 | RS10418J05          | RESISTOR 100K (SMD)    | 2  | R25,39                                     |     |
| 2 | RS10518J05          | RESISTOR 1M (SMD)      | 3  | R12,18,19                                  |     |
| 2 | RS12418J05          | RESISTOR 120K (SMD)    | 1  | R7                                         |     |
| 2 | RS15218J05          | RESISTOR 1K5 (SMD)     | 1  | R54                                        |     |
| 2 | RS15318J05          | RWSISTOR 15K (SMD)     | 5  | R27,29,33,34,60                            |     |
| 2 | RS15418J05          | RESISTOR 150K (SMD)    | 3  | R6,28,63                                   |     |
| 2 | RS22418J05          | RESISTOR 220K (SMD)    | 1  | R16                                        |     |
| 2 | RS30218J05          | RESISTOR 3K (SMD)      | 1  | R52                                        |     |
| 2 | RS30318J05          | RESISTOR 30K (SMD)     | 4  | R35~38                                     |     |
| 2 | RS33218J05          | RESISTOR 3K3 (SMD)     | 2  | R20,21                                     |     |

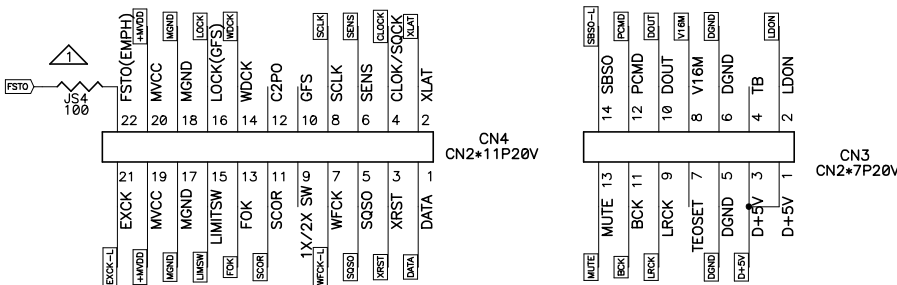
|   |                      |                             |    |                                      |
|---|----------------------|-----------------------------|----|--------------------------------------|
| 2 | RS33318J05           | RESISTOR 33K (SMD)          | 2  | R26,202                              |
| 2 | RS39218J05           | RESISTOR 3K9 (SMD)          | 2  | R4,9                                 |
| 2 | RS43218J05           | RESISTOR 4K3 (SMD)          | 2  | R53,56                               |
| 2 | RS43318J05           | RESISTOR 43K (SMD)          | 1  | R101                                 |
| 2 | RS47318J05           | RESISTOR 47K (SMD)          | 5  | R10,11,40~42                         |
| 2 | RS56118J05           | RESISTOR 560Ω (SMD)         | 1  | R45                                  |
| 2 | RS56218J05           | RESISTOR 5K6 (SMD)          | 1  | R57                                  |
| 2 | RS68118J05           | RESISTOR 680Ω (SMD)         | 1  | R58                                  |
| 2 | RS68218J05           | RESISTOR 6K8 (SMD)          | 1  | R55                                  |
| 2 | RS68318J05           | RESISTOR 68K (SMD)          | 1  | R102                                 |
| 2 | RS75218J05           | RESISTOR 75K (SMD)          | 4  | R8,31,32,51                          |
| 2 | TE10200602           | 6P CONNECTOR                | 1  | (CN2)                                |
| 2 | TE562001402          | 14P CONNECTOR               | 1  | (CN3)                                |
| 2 | TE562002202          | 22P CONNECTOR               | 1  | (CN4)                                |
| 2 | TR2SB1198KSM         | TRANSISTOR 2SB1198KSM (950) | 1  | Q1                                   |
| 2 | TRDTA144EKM          | TRANSISTOR DTA144EKM        | 1  | Q101                                 |
| 2 | XTM16934             | CRYSTAL 16.934MHz           | 1  | XTM1                                 |
|   |                      |                             |    |                                      |
| 1 | <b>TWPC03C01103</b>  | <b>MP3 DEC CPB ASS'Y</b>    | 1  | <b>131</b>                           |
| 2 | CS101J5005COG        | CERAMIC 100P (SMD)          | 1  | C1                                   |
| 2 | CS104Z2505Y5V        | CERAMIC 0.1UF (SMD)         | 28 | C2~19,27~30,36~40,99                 |
| 2 | CS105K1605X7R        | CERAMIC 1UF (SMD)           | 1  | C22                                  |
| 2 | EC10550TS            | ELECT 1UF/50V (S)           | 1  | C35                                  |
| 2 | EC10616TS            | ELECT 10UF/16V (S)          | 10 | C20,21,41~48                         |
| 2 | EC10716TS            | ELECT 100UF/16V (S)         | 3  | C32~34                               |
| 2 | IC74AHCT1G125        | IC 74AHCT1G125              | 1  | C31A                                 |
| 2 | IC74HC164D           | IC 74HC164D                 | 2  | U4,5                                 |
| 2 | IC74HC574D           | IC 74HC574D                 | 2  | U6,7                                 |
| 2 | IC74HCT157D          | IC 74HCT157D                | 1  | U99                                  |
| 2 | IC74HCU04AFN         | IC 74HCU04AFN               | 1  | U3                                   |
| 2 | ICIS61LV12816        | IC IS61LV12816              | 2  | U9,10                                |
| 2 | ICMIC5207-2.5        | IC MIC5207-2.5              | 1  | R19                                  |
| 2 | ICMIC809             | IC MIC809                   | 1  | U12                                  |
| 2 | ICML1201E            | IC ML1201E                  | 1  | U1                                   |
| 2 | ICYHFRC19            | IC YHFRC19                  | 1  | U11                                  |
| 2 | ICSST39VF040         | IC SST39VF040               | 1  | -                                    |
| 2 | JK9PLCC32J01         | IC CONNECTOR                | 1  | (U11)                                |
| 2 | MT0703223            | FIXED PLATE                 | 1  | (U11)                                |
| 2 | NM0703201            | HEAT SINK TAPE              | 1  | (U11)                                |
| 2 | PC03C011             | MP3 PCB                     | 1  | -                                    |
| 2 | RS00018J05           | RESISTOR 0Ω (SMD)           | 6  | R9,22,28~30,37                       |
| 2 | RS10318F05           | RESISTOR 10K (SMD)          | 2  | R11,12                               |
| 2 | RS10418F05           | RESISTOR 100K (SMD)         | 14 | R1~5,23,24,26,27,31~35               |
| 2 | RS10518F05           | RESISTOR 1M (SMD)           | 6  | R6~8,10,25,36                        |
| 2 | RS15218F05           | RESISTOR 1K5 (SMD)          | 2  | R15,16                               |
| 2 | RS18018F05           | RESISTOR 18Ω (SMD)          | 2  | R13,14                               |
| 2 | RS20418F05           | RESISTOR 200K (SMD)         | 1  | R17                                  |
| 2 | RS30418F05           | RESISTOR 300K (SMD)         | 1  | R18                                  |
| 2 | TE552003601          | 36P CONNECTOR               | 1  | (J8)                                 |
| 2 | UHWBRH35X9X08        | LOOP CORE                   | 2  | L3,4                                 |
|   |                      |                             |    |                                      |
| 1 | <b>TWPC03C07001</b>  | <b>FUNCTION PCB ASS'Y</b>   | 1  |                                      |
| 2 | <b>TWPC03C070A01</b> | <b>FUNCTION PCB ASS'Y</b>   | 1  | <b>23</b>                            |
| 3 | BALE48201-5A         | LED HOLDER                  | 18 | (LED101~106,109,110,113~120,137,138) |
| 3 | BALE48206-5A         | LED HOLDER                  | 4  | (LED131~134)                         |
| 3 | CS104Z2505Y5V        | CERAMIC 0.1UF (SMD)         | 9  | C1,2,7,9,11,13,19,24,114             |
| 3 | CS300J5005COG        | CERAMIC 30P (SMD)           | 2  | C3,4                                 |
| 3 | DIENLL4148SM         | DIODE ENLL4148SM (SMD)      | 31 | D101~125,127~132                     |
| 3 | DIRPI-352            | SENSOR                      | 2  | SEN1,2                               |
| 3 | EC10716TS            | ELECT 100UF/16V (S)         | 4  | C8,10,14,23                          |
| 3 | EC33716              | ELECT 330UF/16V             | 1  | C25                                  |
| 3 | EC47550TS            | ELECT 4.7UF/50V (S)         | 1  | C12                                  |
| 3 | IC74HC4538D          | IC 74HC4538D                | 1  | IC2                                  |
| 3 | ICBA05FP             | IC BA05FP                   | 2  | IC3,4                                |
| 3 | ICYHFRC26            | IC YHFRC26                  | 1  | IC1                                  |
| 3 | IC89C52A-40PL        | IC 89C52A-40PL              | 1  |                                      |
| 3 | JKPLCC44J01          | IC CONNECTOR                | 1  | (IC1)                                |
| 3 | JW5206T              | JUMP WIRE                   | 11 | J15~25                               |
| 3 | LD-005HLV            | RED LED                     | 27 | LED101~110,113~118,123~130,136~138   |

|   |                      |                             |    |                                          |
|---|----------------------|-----------------------------|----|------------------------------------------|
| 3 | LD-2404K3WS          | BLUE LED                    | 4  | LED141~144                               |
| 3 | LD-240E4HTS          | RED LED                     | 5  | LED131~134,145                           |
| 3 | LD5UB1C5             | BLUE LED                    | 5  | LED112,119,120,135,140                   |
| 3 | MLC103J50VX7R        | CERAMIC 103J                | 2  | C5,6                                     |
| 3 | MT0603210            | HEAT SINK                   | 1  | (IC4)                                    |
| 3 | NP206MAR10           | NAME PLATE                  | 1  | (IC1)                                    |
| 3 | PT01104803           | LED FIXED BASE 4.8X3MM      | 12 | (LED107,108,123~130,136,145)             |
| 3 | PT01104807           | LED FIXED BASE 4.8X7MM      | 7  | (LED112,135,140~144)                     |
| 3 | RS00018J05           | RESISTOR 0Ω (SMD)           | 4  | JS1,2,4,8                                |
| 3 | RS01018J05           | RESISTOR 1Ω (SMD)           | 1  | R33                                      |
| 3 | RS10018J05           | RESISTOR 10Ω (SMD)          | 21 | R1~10,15~18,21~25,27,28                  |
| 3 | RS10118J05           | RESISTOR 100Ω (SMD)         | 3  | R119,121,122                             |
| 3 | RS10218J05           | RESISTOR 1K (SMD)           | 2  | R120,151                                 |
| 3 | RS10318F05           | RESISTOR 10K (SMD)          | 2  | R139,142                                 |
| 3 | RS10318J05           | RESISTOR 10K (SMD)          | 13 | R106,115~118,126,131~133,140,141,144,148 |
| 3 | RS10518J05           | RESISTOR 1M (SMD)           | 1  | R127                                     |
| 3 | RS22318J05           | RESISTOR 22K (SMD)          | 2  | R146,150                                 |
| 3 | RS33118J05           | RESISTOR 330Ω (SMD)         | 6  | R128~130,135,145,149                     |
| 3 | RS47018J05           | RESISTOR 47Ω (SMD)          | 4  | R11~14                                   |
| 3 | RS47218J05           | RESISTOR 4K7 (SMD)          | 2  | R136,137                                 |
| 3 | RS56118J05           | RESISTOR 560Ω (SMD)         | 2  | R143,147                                 |
| 3 | RS68018J05           | RESISTOR 68Ω (SMD)          | 9  | R26,107~114                              |
| 3 | RU0604401            | RUBBER                      | 18 | (LED101~106,109,110,113~120,137,138)     |
| 3 | RU1104402            | RUBBER                      | 1  | (IC4)                                    |
| 3 | SC0306RICI           | SCREW                       | 1  | -                                        |
| 3 | SWDC11G              | SWITCH                      | 1  | SW25                                     |
| 3 | SWSKHVBE3520         | TACT SWITCH                 | 28 | SW1~24,27~30                             |
| 3 | TR2SA1036KRM         | TRANSISTOR 2SA1036KRM (608) | 21 | Q2~22                                    |
| 3 | TR2SC2412KSM         | TRANSISTOR 2SC2412ESM (536) | 2  | Q23,24                                   |
| 3 | TRDTA124ESM          | TRANSISTOR DTA124ESM        | 1  | Q1                                       |
| 3 | VRS10306004          | VR                          | 1  | VR1                                      |
| 3 | XTM20000X2           | CRYSTAL 20MHz               | 1  | X1                                       |
|   |                      |                             |    |                                          |
| 2 | <b>TWPC03C070B01</b> | <b>I/O PCB ASS'Y</b>        | 1  | 25                                       |
| 3 | CN0100001101         | 1P CONNECTOR (110mm)        | 1  | CN1                                      |
| 3 | CS102K5005X7R        | CERAMIC 1000P (SMD)         | 2  | C28,29                                   |
| 3 | CS104Z2505Y5V        | CERAMIC 0.1UF (SMD)         | 4  | C16,20,21,27                             |
| 3 | CS221J5005COG        | CERAMIC 220P (SMD)          | 1  | C26                                      |
| 3 | DIZDMTZJ68CT         | ZENER DIODE 6.8CT           | 1  | ZD1                                      |
| 3 | EC10716TS            | ELECT 100UF/16V (S)         | 2  | C15,22                                   |
| 3 | FCN1S1001401         | 14P FFC CONNECTOR           | 1  | (TE5)                                    |
| 3 | M0104420             | FRAME                       | 1  | -                                        |
| 3 | MT0101803            | EARTHED METAL PLATE         | 1  | (DIN501)                                 |
| 3 | PT0104415            | HOLDER                      | 1  | (DIN501)                                 |
| 3 | R22118               | RESISTOR 220Ω 1/8W          | 1  | R36                                      |
| 3 | RS00012J06           | RESISTOR 0Ω (SMD)           | 1  | D135                                     |
| 3 | RS00018J05           | RESISTOR 0Ω (SMD)           | 5  | R34,35,37~39                             |
| 3 | SC0306RICI           | SCREW                       | 1  | -                                        |
| 3 | TE422000801          | 8P DIN CONNECTOR            | 1  | DIN501                                   |
| 3 | TE522500801          | 8P TERMINAL                 | 1  | (TE4)                                    |
| 3 | TE522500901          | 9P TERMINAL                 | 1  | (TE3)                                    |
|   |                      |                             |    |                                          |
| 1 | <b>TWPC03C07002</b>  | <b>FUNCTION CPB ASS'Y</b>   | 1  |                                          |
| 2 | <b>TWPC03C070A02</b> | <b>FUNCTION CPB ASS'Y</b>   | 1  | 24                                       |
| 3 | BALE48201-5A         | LED HOLDER                  | 20 | (LED101~106,109,110,113~122,137,138)     |
| 3 | BALE48206-5A         | LED HOLDER                  | 4  | (LED131~134)                             |
| 3 | CS104Z2505Y5V        | CERAMIC 0.1UF (SMD)         | 9  | C1,2,7,9,11,13,19,24,114                 |
| 3 | CS300J5005COG        | CERAMIC 30P (SMD)           | 2  | C3,4                                     |
| 3 | DIENLL4148SM         | DIODE ENLL4148SM (SMD)      | 32 | D101~106,108~114,116~134                 |
| 3 | DIRPI-352            | SENSOR                      | 2  | SEN1,2                                   |
| 3 | EC10716TS            | ELECT 100UF/16V (S)         | 4  | C8,10,14,23                              |
| 3 | EC33716              | ELECT 330UF/16V             | 1  | C25                                      |
| 3 | EC47550TS            | ELECT 4.7UF/50V (S)         | 1  | C12                                      |
| 3 | IC74HC4538D          | IC 74HC4538D                | 1  | IC2                                      |
| 3 | ICBA05FP             | IC BA05FP                   | 2  | IC3,4                                    |
| 3 | ICYHFRC26            | IC YHFRC26                  | 1  | IC1                                      |
| 3 | IC89C52A-40PL        | IC 89C52A-40PL              | 1  | -                                        |
| 3 | JKPLCC44J01          | IC CONNECTOR                | 1  | (IC1)                                    |
| 3 | JW5206T              | JUMP WIRE                   | 14 | J1~14                                    |

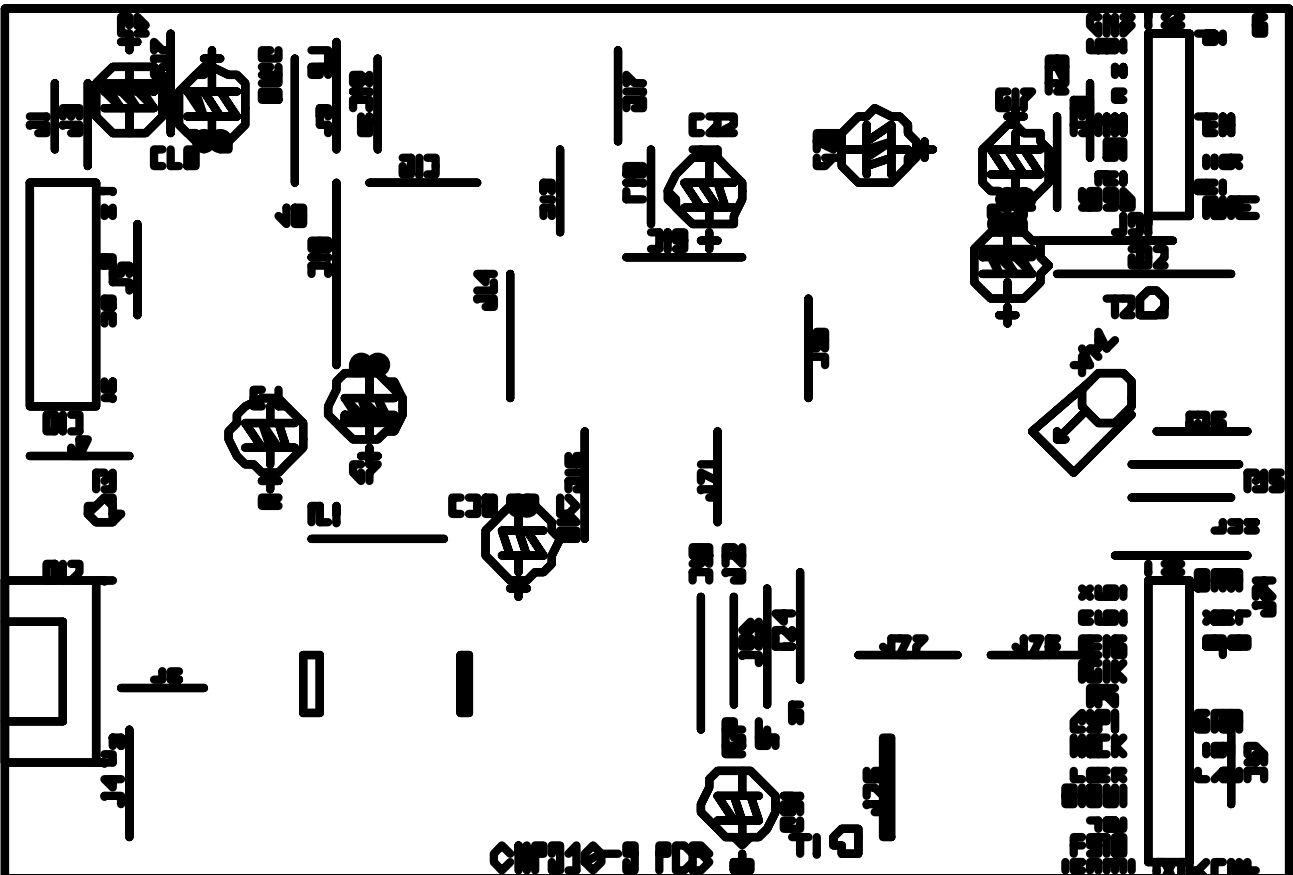
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|---|----------------------|-----------------------------|----------|------------------------------------------------------|
| 3 | LD-005HLV            | RED LED                     | 29       | LED101~110,113~118,121~130,136~138                   |
| 3 | LD-2404K3WS          | BLUE LED                    | 4        | LED141~144                                           |
| 3 | LD-240E4HTS          | RED LED                     | 5        | LED145~149                                           |
| 3 | LD5UB1C5             | BLUE LED                    | 5        | LED111,119,120,135,139                               |
| 3 | MLC103J50VX7R        | CERAMIC 103J                | 2        | C5,6                                                 |
| 3 | MT0603210            | HEAT SINK                   | 1        | (IC4)                                                |
| 3 | NP206MAR10           | NAME PLATE                  | 1        | (IC1)                                                |
| 3 | PT01104803           | LED FIXED BASE 4.8X3MM      | 12       | (LED107,108,123~130,136,145)                         |
| 3 | PT01104807           | LED FIXED BASE 4.8X7MM      | 7        | (LED112,135,140~144)                                 |
| 3 | RS00018J05           | RESISTOR 0Ω (SMD)           | 4        | JS1,2,4,8                                            |
| 3 | RS01018J05           | RESISTOR 1Ω (SMD)           | 1        | R33                                                  |
| 3 | RS10018J05           | RESISTOR 10Ω (SMD)          | 23       | R1~10,15~20,25,27~32                                 |
| 3 | RS10118J05           | RESISTOR 100Ω (SMD)         | 3        | R119,121,122                                         |
| 3 | RS10218J05           | RESISTOR 1K (SMD)           | 2        | R120,151                                             |
| 3 | RS10318F05           | RESISTOR 10K (SMD0          | 2        | R139,142                                             |
| 3 | RS10318J05           | RESISTOR 10K (SMD)          | 13       | R106,115~118,126,131~133,140,141,144,148             |
| 3 | RS10518J05           | RESISTOR 1M (SMD)           | 1        | R127                                                 |
| 3 | RS22318J05           | RESISTOR 22K (SMD)          | 2        | R146,150                                             |
| 3 | RS33118J05           | RESISTOR 330Ω (SMD)         | 6        | R128~130,135,145,149                                 |
| 3 | RS47018J05           | RESISTOR 47Ω (SMD)          | 4        | R11~14                                               |
| 3 | RS47218J05           | RESISTOR 4K7 ( SMD)         | 2        | R136,137                                             |
| 3 | RS56118J05           | RESISTOR 560Ω (SMD)         | 2        | R143,147                                             |
| 3 | RS68018J05           | RESISTOR 680Ω (SMD)         | 9        | R26,107~114                                          |
| 3 | RU0604401            | RUBBER                      | 18       | (LED101~106,109,110,113~120,137,138)                 |
| 3 | RU1104402            | RUBBER                      | 1        | (IC4)                                                |
| 3 | SC0306RICI           | SCREW                       | 1        | -                                                    |
| 3 | SWDC11G              | SWITCH                      | 1        | SW25                                                 |
| 3 | SWSKHVBE3520         | TACT SWITCH                 | 29       | SW1~6,8~14,16~24,26~32                               |
| 3 | TR2SA1036KRM         | TRANSISTOR 2SA1036KRM (608) | 21       | Q2~15,20~22,25~28                                    |
| 3 | TR2SC2412KSM         | TRANSISTOR 2SC2412KSM (536) | 2        | Q23,24                                               |
| 3 | TRDTA124ESM          | TRANSISTOR DTA124ESM        | 1        | Q1                                                   |
| 3 | VRS10306004          | VR                          | 1        | VR1                                                  |
| 3 | XTM20000X2           | CRYSTAL 20MHz               | 1        | X1                                                   |
|   |                      |                             |          |                                                      |
| 2 | <b>TWPC03C070B01</b> | <b>I/O PCB ASS'Y</b>        | <b>1</b> | <b>25</b>                                            |
| 3 | CN0100001101         | 1P CONNECTOR (110mm)        | 1        | CN1                                                  |
| 3 | CS102K5005X7R        | CERAMIC 1000P (SMD)         | 2        | C28,29                                               |
| 3 | CS104Z2505Y5V        | CERAMIC 0.1UF (SMD)         | 4        | C16,20,21,27                                         |
| 3 | CS221J5005COG        | CERAMIC 220P (SMD)          | 1        | C26                                                  |
| 3 | DIZDMTZJ68CT         | ZENER DIODE 6.8CT           | 1        | ZD1                                                  |
| 3 | EC10716TS            | ELECT 100UF/16V (S)         | 2        | C15,22                                               |
| 3 | FCN1S1001401         | 14P FFC CONNECTOR           | 1        | (TE5)                                                |
| 3 | M0104420             | FRAME                       | 1        | -                                                    |
| 3 | MT0101803            | EARTHED METAL PLATE         | 1        | (DIN501)                                             |
| 3 | PT0104415            | HOLDER                      | 1        | (DIN501)                                             |
| 3 | R22118               | RESISTOR 220Ω 1/8W          | 1        | R36                                                  |
| 3 | RS00012J06           | RESISTOR 0Ω (SMD)           | 1        | D135                                                 |
| 3 | RS00018J05           | RESISTOR 0Ω (SMD)           | 5        | R34,35,37~39                                         |
| 3 | SC0306RICI           | SCREW                       | 1        | -                                                    |
| 3 | TE422000801          | 8P DIN CONNECTOR            | 1        | DIN501                                               |
| 3 | TE522500801          | 8P TERMINAL                 | 1        | (TE4)                                                |
| 3 | TE522500901          | 9P TERMINAL                 | 1        | (TE3)                                                |
|   |                      |                             |          |                                                      |
| 1 | <b>TWPC03C08901</b>  | <b>DSP PCB ASS'Y</b>        | <b>1</b> | <b>130</b>                                           |
| 2 | CS101J5005COG        | CERAMIC 100P (SMD)          | 2        | C601,602                                             |
| 2 | CS104Z2505Y5V        | CERAMIC 0.1UF (SMD)         | 37       | C603,604,606,608,609,613,615,617,619~644,648,650,651 |
| 2 | CS182K5005X7R        | CERAMIC 1800P (SMD)         | 1        | C610                                                 |
| 2 | CS200J5005COG        | CERAMIC 20P (SMD)           | 2        | C645,646                                             |
| 2 | CS300J5005COG        | CERAMIC 30P (SMD)           | 2        | C611,612                                             |
| 2 | CS470J5005COG        | CERAMIC 47P (SMD)           | 2        | C655,656                                             |
| 2 | CS471J5005COG        | CERAMIC 470P (SMD)          | 2        | C607,614                                             |
| 2 | CS680J5005COG        | CERAMIC 68P (SMD)           | 2        | C653,654                                             |
| 2 | DIENLL4148SM         | DIODE ENLL4148SM (SMD)      | 2        | D601,602                                             |
| 2 | EC10550TS            | ELECT 1UF/50V (S)           | 1        | C605                                                 |
| 2 | EC22616TS            | ELECT 22UF/16V (S)          | 1        | C616                                                 |
| 2 | EC22716TS            | ELECT 220UF/16V (S)         | 1        | C618                                                 |
| 2 | IC6N137              | IC 6N137                    | 1        | IC1                                                  |
| 2 | IC74AHCT74D          | IC 74AHCT74D                | 1        | IC607                                                |
| 2 | IC74HC08DT           | IC 74HC08DT                 | 1        | IC606                                                |

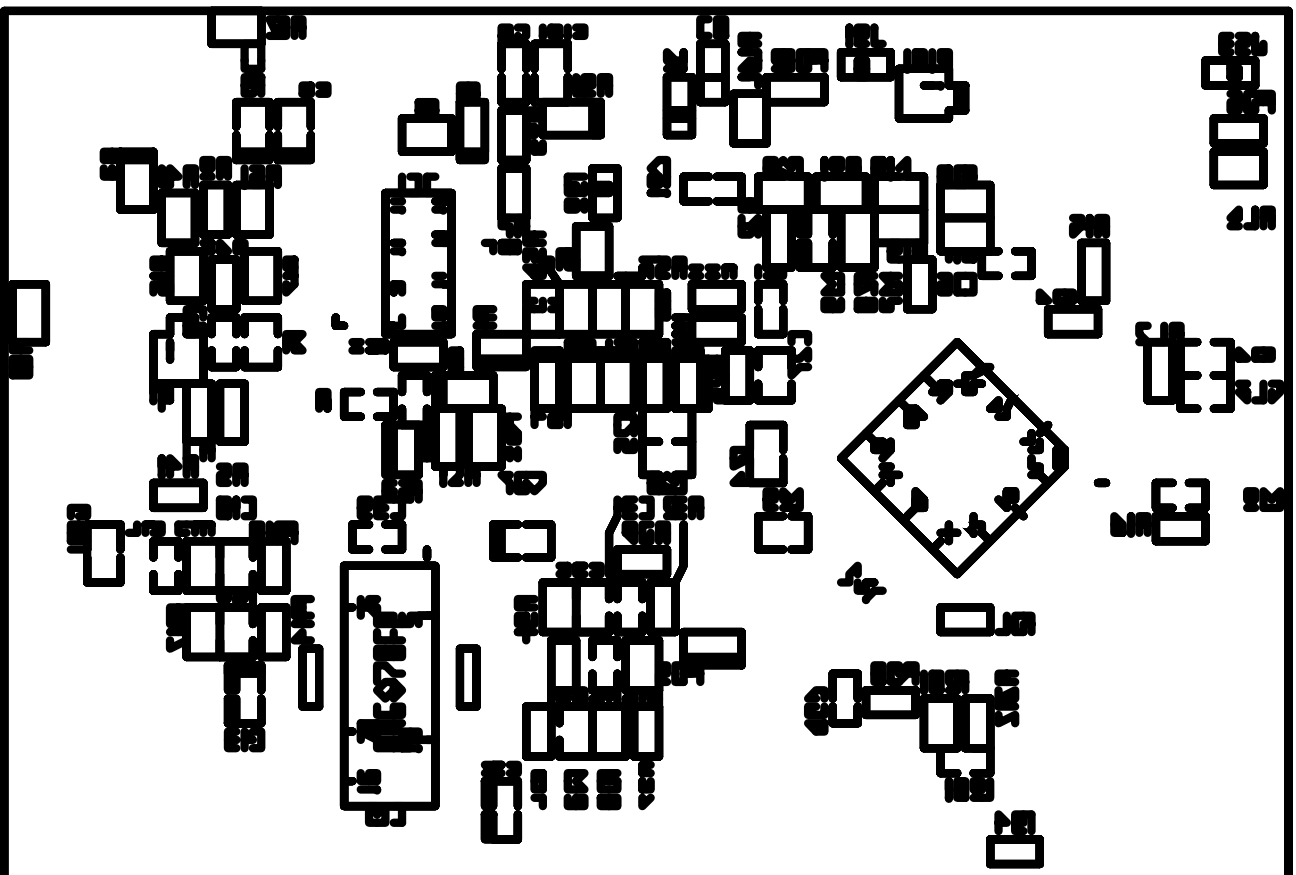
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|---|---------------------|-------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | IC74HC164D          | IC 74HC164D             | 2  | IC612,613                                                                                                                                                        |
| 2 | IC74HC32D           | IC 74HC32D              | 1  | IC605                                                                                                                                                            |
| 2 | IC74HCT00D          | IC 74HCT00D             | 1  | IC615                                                                                                                                                            |
| 2 | IC74LVC245AD        | IC 74LVC245AD           | 1  | IC602                                                                                                                                                            |
| 2 | ICK4S641632E        | IC K4S641632E           | 1  | IC604                                                                                                                                                            |
| 2 | ICTC7W14F           | IC TC7W14F              | 5  | IC608~611,614                                                                                                                                                    |
| 2 | ICXC56309PV100A     | IC XC56309PV100A        | 1  | IC601                                                                                                                                                            |
| 2 | ICYHFRC25           | IC YHFRC25              | 1  | IC603                                                                                                                                                            |
| 2 | ICW29C020CP         | IC W29C020CP            | 1  | -                                                                                                                                                                |
| 2 | JK9PLCC32J01        | IC CONNECTOR            | 1  | (IC603)                                                                                                                                                          |
| 2 | MT0703218           | DISSIPATING PLATE       | 1  | (IC601)                                                                                                                                                          |
| 2 | NM0703201           | HEAT SINK TAPE          | 1  | (IC601)                                                                                                                                                          |
| 2 | PC03C089            | DSP PCB                 | 1  | -                                                                                                                                                                |
| 2 | RS00018J05          | RESISTOR 0Ω (SMD)       | 4  | R616,619,631,632                                                                                                                                                 |
| 2 | RS10318J05          | RESISTOR 10K (SMD)      | 12 | R602,603,604,607~610,613,614,621,628,630                                                                                                                         |
| 2 | RS22118J05          | RESISTOR 220Ω (SMD)     | 2  | R601,623                                                                                                                                                         |
| 2 | RS27118J05          | RESISTOR 270Ω (SMD)     | 1  | R626                                                                                                                                                             |
| 2 | RS33118J05          | RESISTOR 330Ω (SMD)     | 2  | R617,618                                                                                                                                                         |
| 2 | RS33218J05          | RESISTOR 3K3 (SMD)      | 1  | R627                                                                                                                                                             |
| 2 | RS33418J05          | RESISTOR 330K (SMD)     | 1  | R629                                                                                                                                                             |
| 2 | RS68418J05          | RESISTOR 680K (SMD)     | 1  | R606                                                                                                                                                             |
| 2 | TE562001602         | 16P CONNECTOR           | 1  | (TE602)                                                                                                                                                          |
| 2 | TE562003001         | 30P CONNECTOR           | 2  | (TE603,604)                                                                                                                                                      |
| 2 | TE612000901         | 9P CONNECTOR            | 1  | (TE601)                                                                                                                                                          |
| 2 | XTM10000X2          | CRYSTAL 10MHz           | 1  | XTM601                                                                                                                                                           |
|   |                     |                         |    |                                                                                                                                                                  |
| 1 | <b>TWPC03C09001</b> | <b>MAIN PCB ASS'Y</b>   | 1  | <b>126</b>                                                                                                                                                       |
| 2 | CS101J5005COG       | CERAMIC 100P (SMD)      | 8  | C219,227,419,427,438,440,647,649                                                                                                                                 |
| 2 | CS102K5005X7R       | CERAMIC 1000P (SMD)     | 12 | C303,306,311,312,436,437,439,441,803,806,811,812                                                                                                                 |
| 2 | CS103K5005X7R       | CERAMIC 0.01UF (SMD)    | 8  | C103,104,111,112,210,410,504,704                                                                                                                                 |
| 2 | CS104Z2505Y5V       | CERAMIC 0.1UF (SMD)     | 57 | C107,114,202,204,206,208,211~213,216~218,220,222~225,318,322,411~413,416~418,420,422~425,428~435,501,507,701,707,818,822,904,906,909,911,917,919~921,923~926,933 |
| 2 | CS300J5005COG       | CERAMIC 30P (SMD)       | 4  | C214,215,414,415                                                                                                                                                 |
| 2 | CS332K5005X7R       | CERAMIC 3300P (SMD)     | 4  | C304,305,804,805                                                                                                                                                 |
| 2 | CS751J5005COG       | CERAMIC 750P (SMD)      | 4  | C307,308,807,808                                                                                                                                                 |
| 2 | CS820J5005COG       | CERAMIC 82P (SMD)       | 2  | C506,706                                                                                                                                                         |
| 2 | DIENLL4148SM        | DIODE ENLL4148SM (SMD ) | 10 | D202~203,301~303,402~403,801~803                                                                                                                                 |
| 2 | DIZDMTZJ68CT        | ZENER DIODE 6.8CT       | 2  | ZD1,2                                                                                                                                                            |
| 2 | EC10625TL           | ELECT 10UF/25V (L)      | 2  | C313,813                                                                                                                                                         |
| 2 | EC10625TS           | ELECT 10UF/25V (S)      | 16 | C203,205,207,209,309,310,320,321,323,324,809,810,820,821,823,825                                                                                                 |
| 2 | EC10716TS           | ELECT 100UF/16V (S)     | 22 | C221,226,316,317,421,426,816,817,824,902,903,905,910,912,918,922,927~932                                                                                         |
| 2 | EC22625TS           | ELECT 22UF/25V (S)      | 2  | C505,705                                                                                                                                                         |
| 2 | EC33725T            | ELECT 330UF/25V         | 2  | C314,814                                                                                                                                                         |
| 2 | EC47550TS           | ELECT 4.7UF/50V (S)     | 6  | C301,302,319,801,802,819                                                                                                                                         |
| 2 | EP350101            | JACK CONNECTOR          | 2  | JK101,104                                                                                                                                                        |
| 2 | IC16V8D01           | IC 16V8D01              | 2  | IC203,403                                                                                                                                                        |
| 2 | ICGAL16V8D-15LP     | IC GAL16V8D-15LP        | 2  | -                                                                                                                                                                |
| 2 | IC6218              | IC 6218                 | 2  | IC207,407                                                                                                                                                        |
| 2 | IC74HC165D          | IC 74HC165D             | 4  | IC204,205,404,405                                                                                                                                                |
| 2 | IC74HCT157D         | IC 74HCT157D            | 2  | IC206,406                                                                                                                                                        |
| 2 | ICBA05FP            | IC BA05FP               | 2  | IC901,903                                                                                                                                                        |
| 2 | ICBA4558F           | IC BA4558F              | 2  | IC301,801                                                                                                                                                        |
| 2 | ICCS8405A           | IC CS8405A              | 2  | IC202,402                                                                                                                                                        |
| 2 | ICDA1191            | IC DA1191               | 2  | IC104,105                                                                                                                                                        |
| 2 | ICYHFRC27           | IC YHFRC27              | 2  | IC201,401                                                                                                                                                        |
| 2 | ICPIC18F8722        | IC PIC18F8722           | 2  | -                                                                                                                                                                |
| 2 | MT0101802           | SIGNAL PLATE            | 2  | (RCA101,104)                                                                                                                                                     |
| 2 | MT0101803           | EARTHED METAL PLATE     | 2  | (PS101,201)                                                                                                                                                      |
| 2 | MT0601802           | GROUND METAL            | 2  | (RCA102,103)                                                                                                                                                     |
| 2 | MT0701816           | FIX PLATE               | 2  | (JK101,104)                                                                                                                                                      |
| 2 | PC03C090            | MAIN PCB                | 1  | -                                                                                                                                                                |
| 2 | PT0104415           | HOLDER                  | 2  | (PS101,201)                                                                                                                                                      |
| 2 | RJ102A-09           | RCA JACK                | 2  | RCA101,104                                                                                                                                                       |
| 2 | RJ1081              | RCA JACK                | 2  | RCA102,103                                                                                                                                                       |
| 2 | RS00018J05          | RESISTOR 0Ω (SMD)       | 10 | JS7,28,R244,267~272,444                                                                                                                                          |
| 2 | RS10012J06          | RESISTOR 10Ω (SMD)      | 2  | D401,201                                                                                                                                                         |

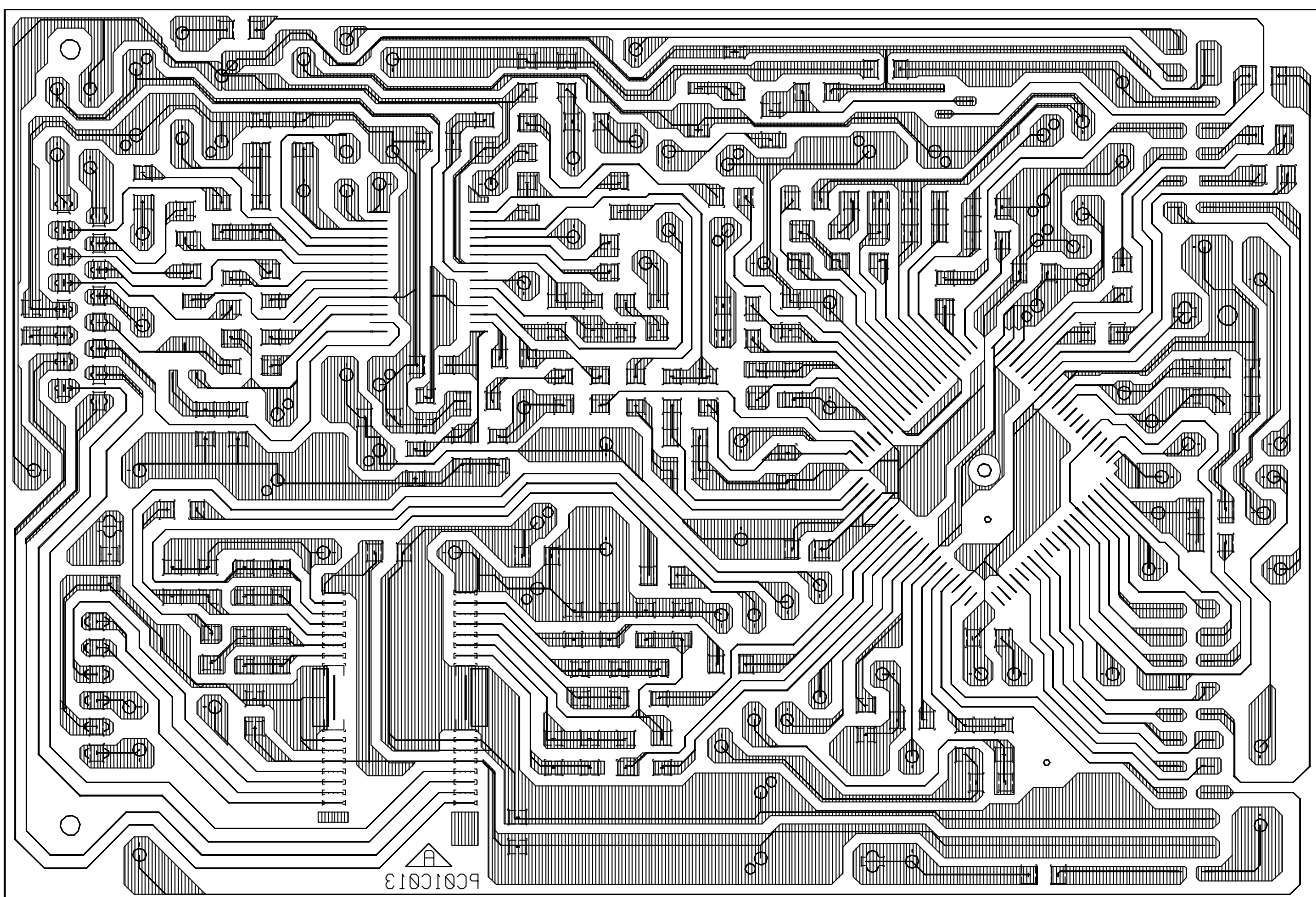
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|---|----------------------|------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | RS10018J05           | RESISTOR 10Ω (SMD)           | 4  | R506,507,706,707                                                                                                                         |
| 2 | RS10118J05           | RESISTOR 100Ω (SMD)          | 6  | R208,214,321,322,821,822                                                                                                                 |
| 2 | RS10218J05           | RESISTOR 1K (SMD)            | 16 | R206,212,235,241~243,256,261,262,273~275,435,441~443                                                                                     |
| 2 | RS10318J05           | RESISTOR 10K (SMD)           | 86 | R201,202,215~228,230~234,236,238,240,245~255,257~260,315,316,401,402,415~428,430~434,436,438,440,445~455,457~460,501,504,701,704,815,816 |
| 2 | RS10418J05           | RESISTOR 100K (SMD)          | 4  | R319,320,819,820                                                                                                                         |
| 2 | RS10518J05           | RESISTOR 1M (SMD)            | 2  | R239,439                                                                                                                                 |
| 2 | RS12218J05           | RESISTOR 1K2 (SMD)           | 4  | R301,302,328,801                                                                                                                         |
| 2 | RS20318J05           | RESISTOR 20K (SMD)           | 4  | R313,314,813,814                                                                                                                         |
| 2 | RS22118J05           | RESISTOR 220Ω (SMD)          | 4  | R207,213,263,264                                                                                                                         |
| 2 | RS33218J05           | RESISTOR 3K3 (SMD)           | 4  | R303,304,803,804                                                                                                                         |
| 2 | RS39218J05           | RESISTOR 3K9 (SMD)           | 2  | R502,702                                                                                                                                 |
| 2 | RS39318J05           | RESISTOR 39K (SMD)           | 4  | R305,306,805,806                                                                                                                         |
| 2 | RS47118J05           | RESISTOR 470Ω (SMD)          | 12 | R203~205,209~211,309,310,809,810,265,266                                                                                                 |
| 2 | RS56118J05           | RESISTOR 560Ω (SMD)          | 2  | R503,703                                                                                                                                 |
| 2 | RS56218J05           | RESISTOR 5K6 (SMD)           | 8  | R307,308,311,312,807,808,811,812                                                                                                         |
| 2 | RS56418J05           | RESISTOR 560K (SMD)          | 4  | R317,318,817,818                                                                                                                         |
| 2 | RS68018J05           | RESISTOR 68Ω (SMD)           | 2  | R505,705                                                                                                                                 |
| 2 | TE10200502           | 5P CONNECTOR                 | 5  | (TE201,203,401,403,404)                                                                                                                  |
| 2 | TE10200601           | 6P CONNECTOR                 | 1  | (TE1)                                                                                                                                    |
| 2 | TE422000801          | 8P DIN CONNECTOR             | 2  | PS101,201                                                                                                                                |
| 2 | TE612000202          | 2P CONNECTOR                 | 4  | (CN1,CN2,TE2,TE3)                                                                                                                        |
| 2 | TE612500801          | 8P CONNECTOR                 | 1  | (CN901)                                                                                                                                  |
| 2 | TE962001401          | 14P CONNECTOR                | 2  | (TE103,108)                                                                                                                              |
| 2 | TE962001602          | 16P CONNECTOR                | 1  | (TE607)                                                                                                                                  |
| 2 | TE962002201          | 22P CONNECTOR                | 2  | (TE104,109)                                                                                                                              |
| 2 | TE962003001          | 30P CONNECTOR                | 2  | (TE608,609)                                                                                                                              |
| 2 | TE962003601          | 36P CONNECTOR                | 2  | (TE608,609)                                                                                                                              |
| 2 | TR2SA1037ASM         | TRANSISTOR 2SA1037ASM (608)  | 2  | Q303,803                                                                                                                                 |
| 2 | TR2SC2412KSM         | TRANSISTOR 2SC2412KSM (536)  | 2  | Q501,701                                                                                                                                 |
| 2 | TR2SD2114KSM         | TRANSISTOR 2SD2114KSM (2878) | 4  | Q301,302,801,802                                                                                                                         |
| 2 | TRDTA124ESM          | TRANSISTOR DTA124ESM         | 2  | Q304,804                                                                                                                                 |
| 2 | TRDTC124ESM          | TRANSISTOR DTC124ESM         | 2  | Q305,805                                                                                                                                 |
| 2 | UH322513T100K        | CHOKE COIL                   | 10 | L101,102,104,105,107,108,301,302,801,802                                                                                                 |
| 2 | UHMSH0505-02         | LOOP CORE                    | 1  | L1                                                                                                                                       |
| 2 | XTM20000X2           | CRYSTAL 20MHz                | 2  | XTM201,401                                                                                                                               |
|   |                      |                              |    |                                                                                                                                          |
| 1 | <b>TWPC03C09701</b>  | <b>MECHA PCB ASS'Y</b>       | 1  |                                                                                                                                          |
| 2 | <b>TWPC03C097B01</b> | <b>OP/CL PCB ASS'Y</b>       | 1  | <b>116</b>                                                                                                                               |
| 3 | BALE48213-0A         | LED HOLDER                   | 2  | (LED103,104)                                                                                                                             |
| 3 | CN0220000703         | 2P CONNECTOR (70mm)          | 1  | CN102                                                                                                                                    |
| 3 | CN0620002001         | 6P CONNECTOR (200mm)         | 1  | CN104                                                                                                                                    |
| 3 | JW5206T              | JUMP WIRE                    | 2  | J20,21                                                                                                                                   |
| 3 | LD-240E4HWS          | RED LED                      | 2  | LED103,104                                                                                                                               |
| 3 | RS27118J05           | RESISTOR 270Ω (SMD)          | 2  | R103,104                                                                                                                                 |
| 3 | SWSKHVBE3520         | TACT SWITCH                  | 2  | SW101,102                                                                                                                                |
| 3 | TE812000211          | 2P CONNECTOR                 | 1  | (CN102)                                                                                                                                  |
| 3 | TE812000611          | 6P CONNECTOR                 | 1  | (CN104)                                                                                                                                  |
|   |                      |                              |    |                                                                                                                                          |
| 2 | <b>TWPC03C097C01</b> | <b>POWER PCB ASS'Y</b>       | 1  | <b>113</b>                                                                                                                               |
| 3 | LD-005HLV            | RED LED                      | 2  | LED101,102                                                                                                                               |
| 3 | RS27118J05           | RESISTOR 270Ω (SMD)          | 2  | R101,102                                                                                                                                 |
| 3 | TE812000211          | 2P CONNECTOR                 | 1  | (CN101)                                                                                                                                  |
|   |                      |                              |    |                                                                                                                                          |
| 2 | <b>TWPC03C097D01</b> | <b>MIDI PCB ASS'Y</b>        | 1  | <b>134</b>                                                                                                                               |
| 3 | CS104Z2505Y5V        | CERAMIC 0.1UF (SMD)          | 1  | CN103                                                                                                                                    |
| 3 | CS820J5005COG        | CERAMIC 82P (SMD)            | 4  | CN101,102,108,109                                                                                                                        |
| 3 | M0104420             | FRAME                        | 1  | -                                                                                                                                        |
| 3 | RS22118J05           | RESISTOR 220Ω (SMD)          | 1  | R634                                                                                                                                     |
| 3 | SC0306RICI           | SCREW                        | 1  | -                                                                                                                                        |
| 3 | TE10200502           | 5P CONNECTOR                 | 1  | (TE202)                                                                                                                                  |
| 3 | TE422000501          | 5P DIN CONNECTOR             | 2  | MID101,102                                                                                                                               |



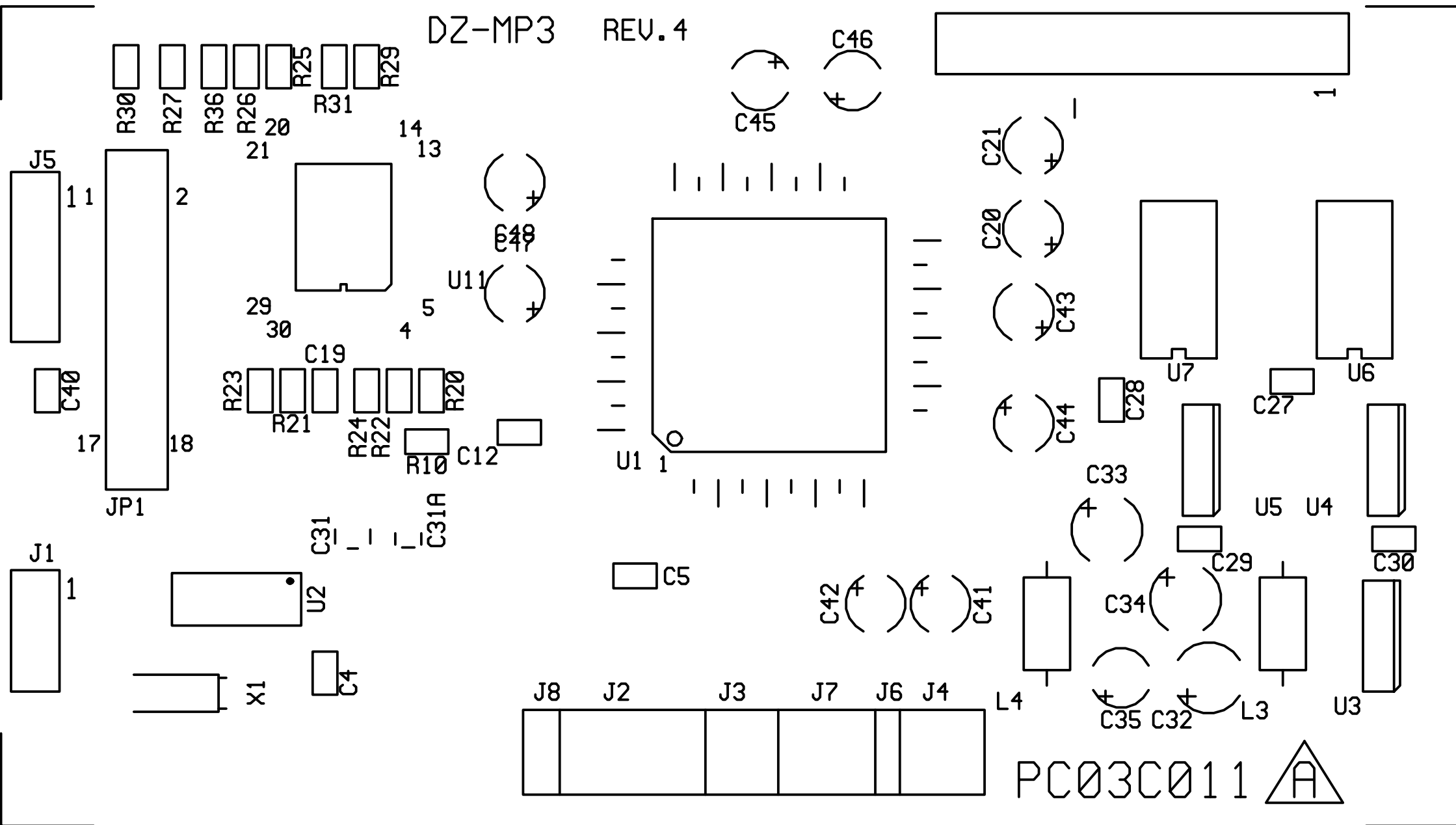
|       |                                       |
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| Title | CDMP3400/3500 SERVO SCHEMATIC DIAGRAM |
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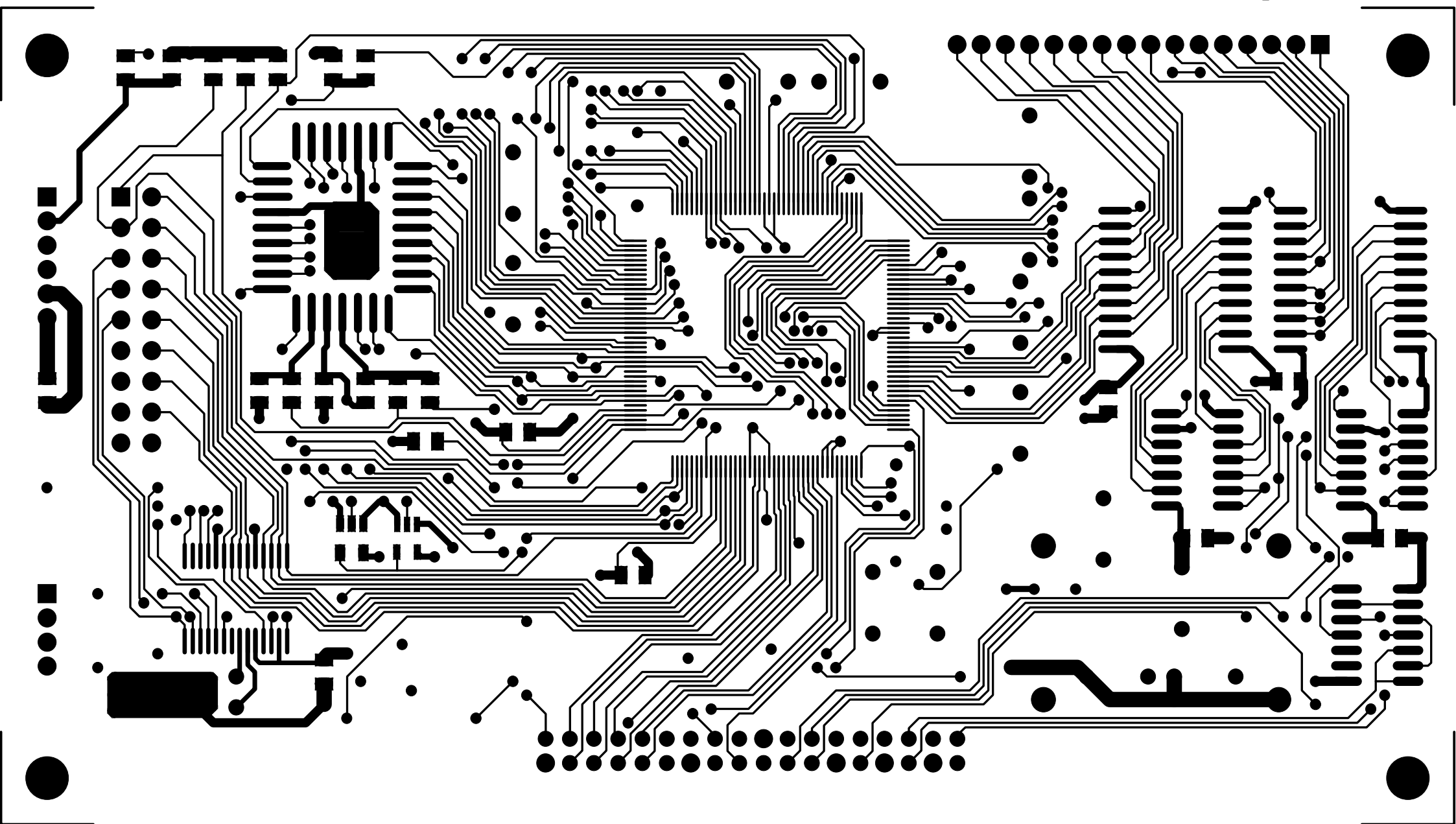


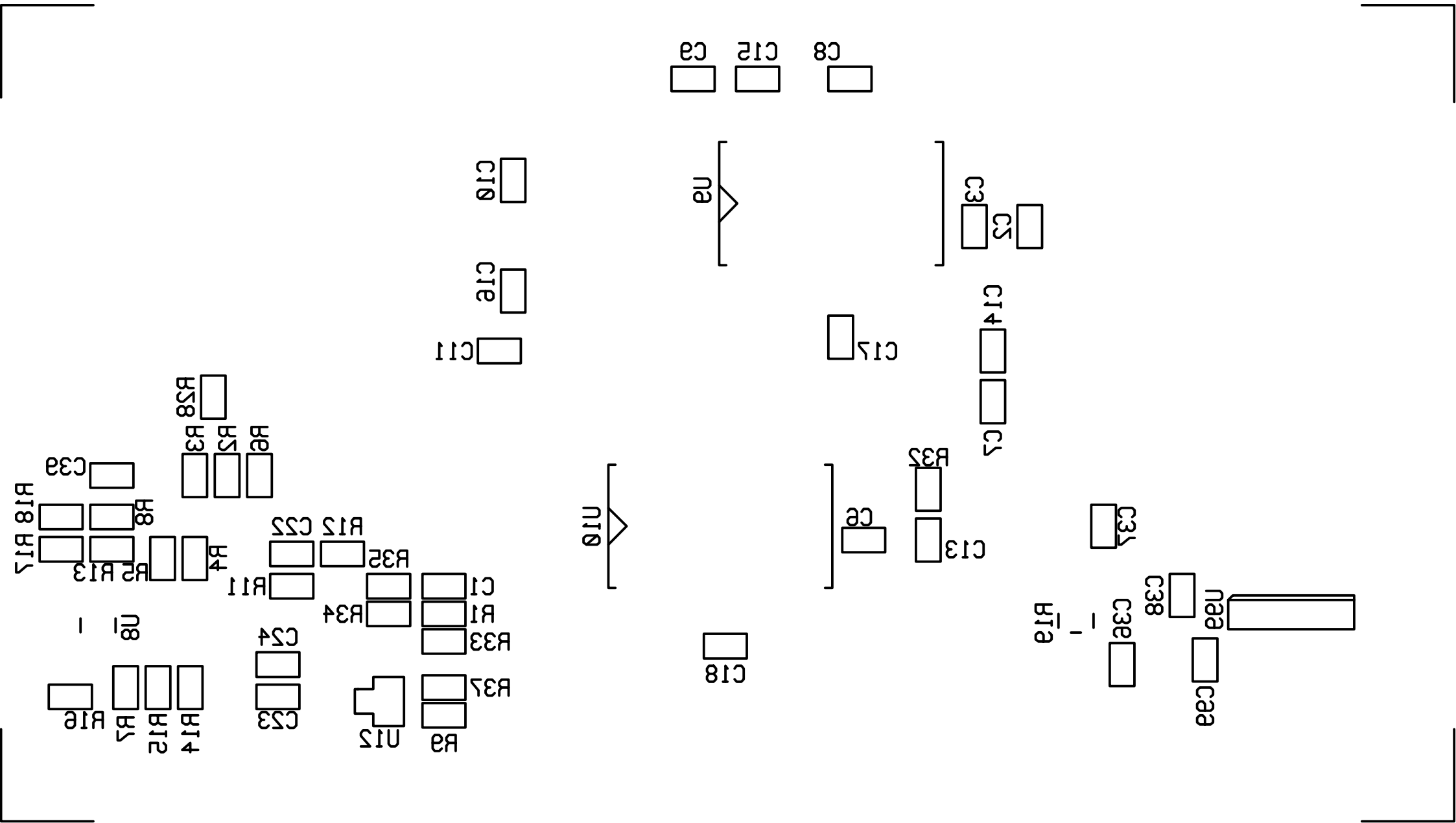


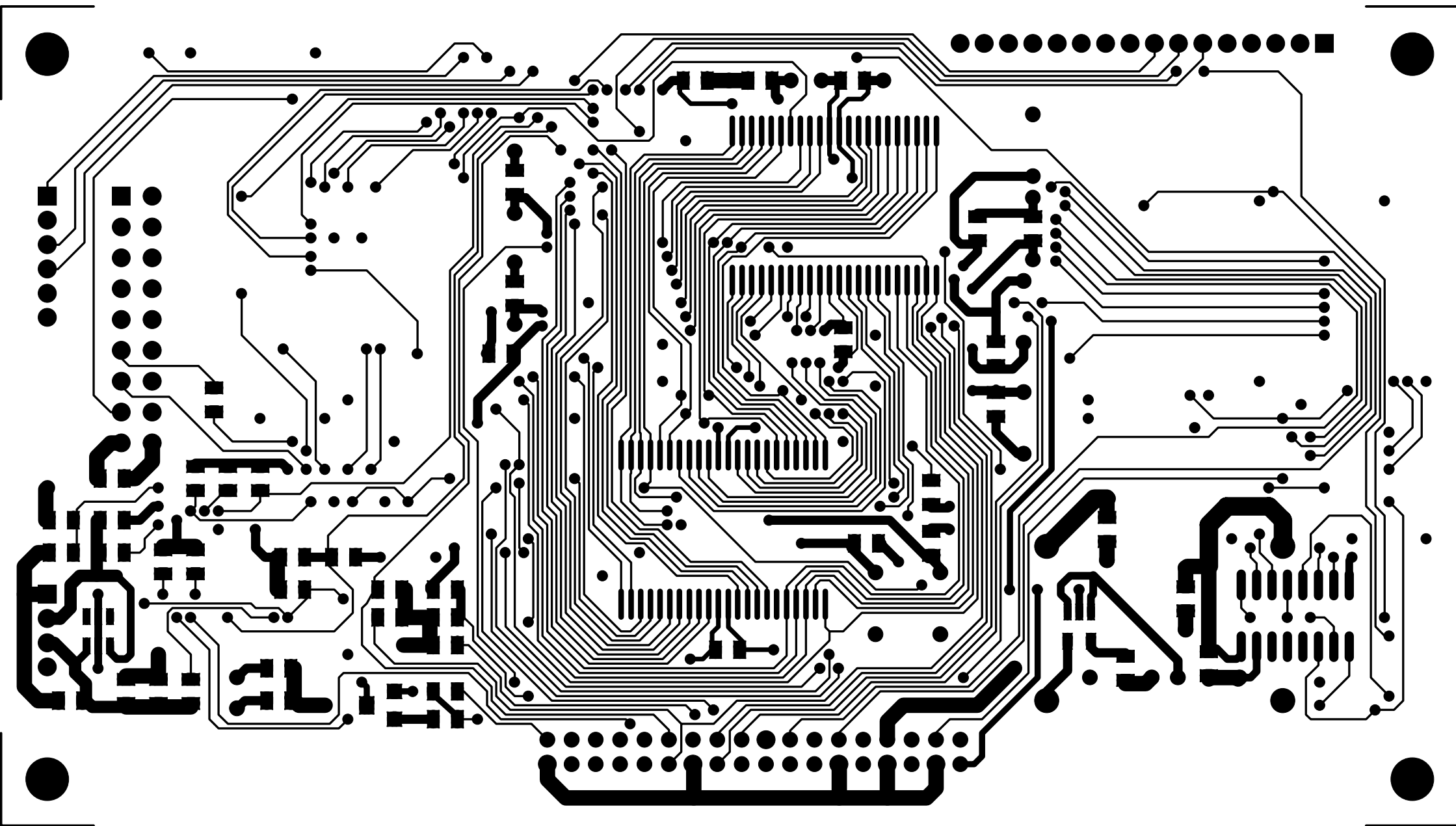


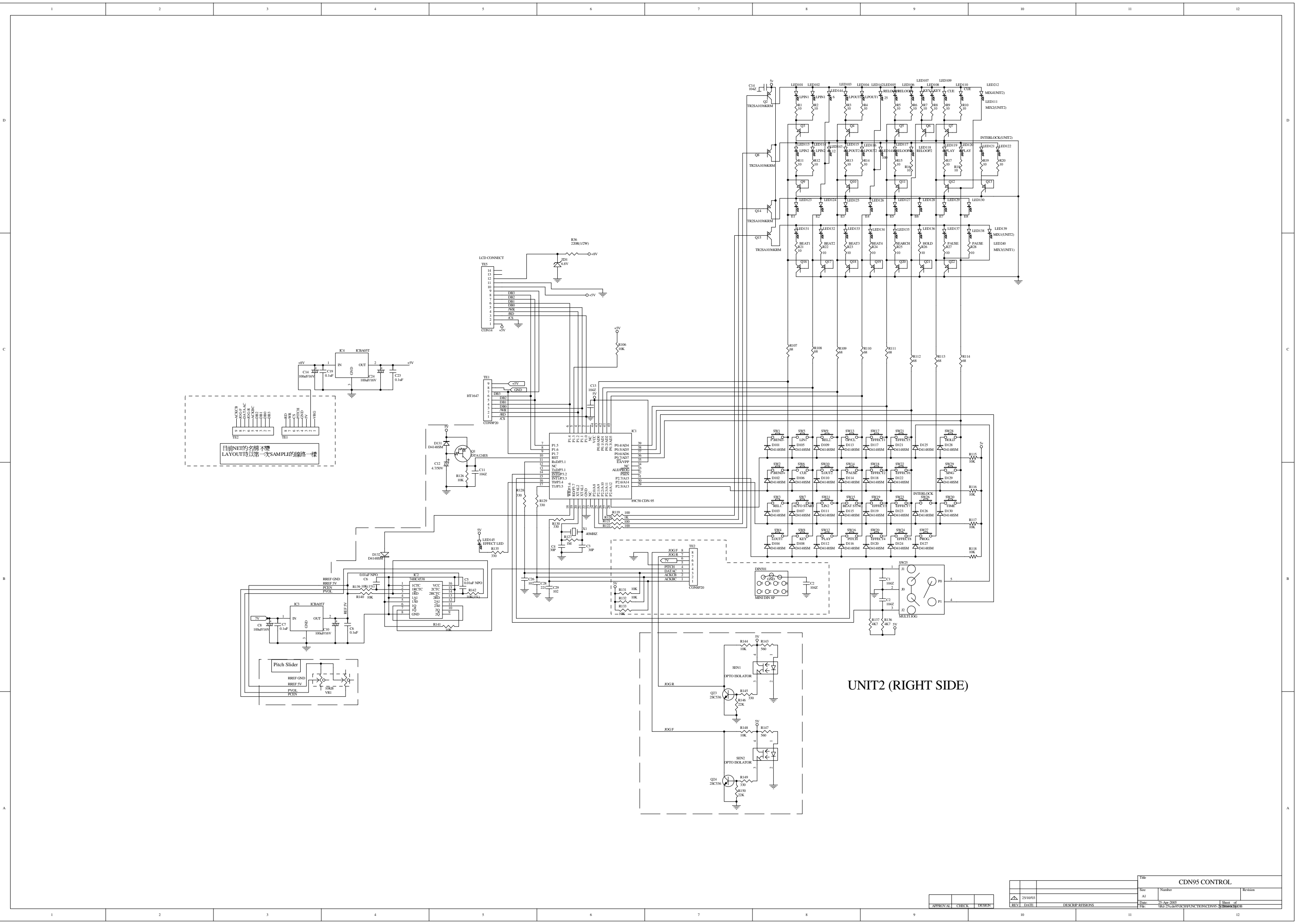


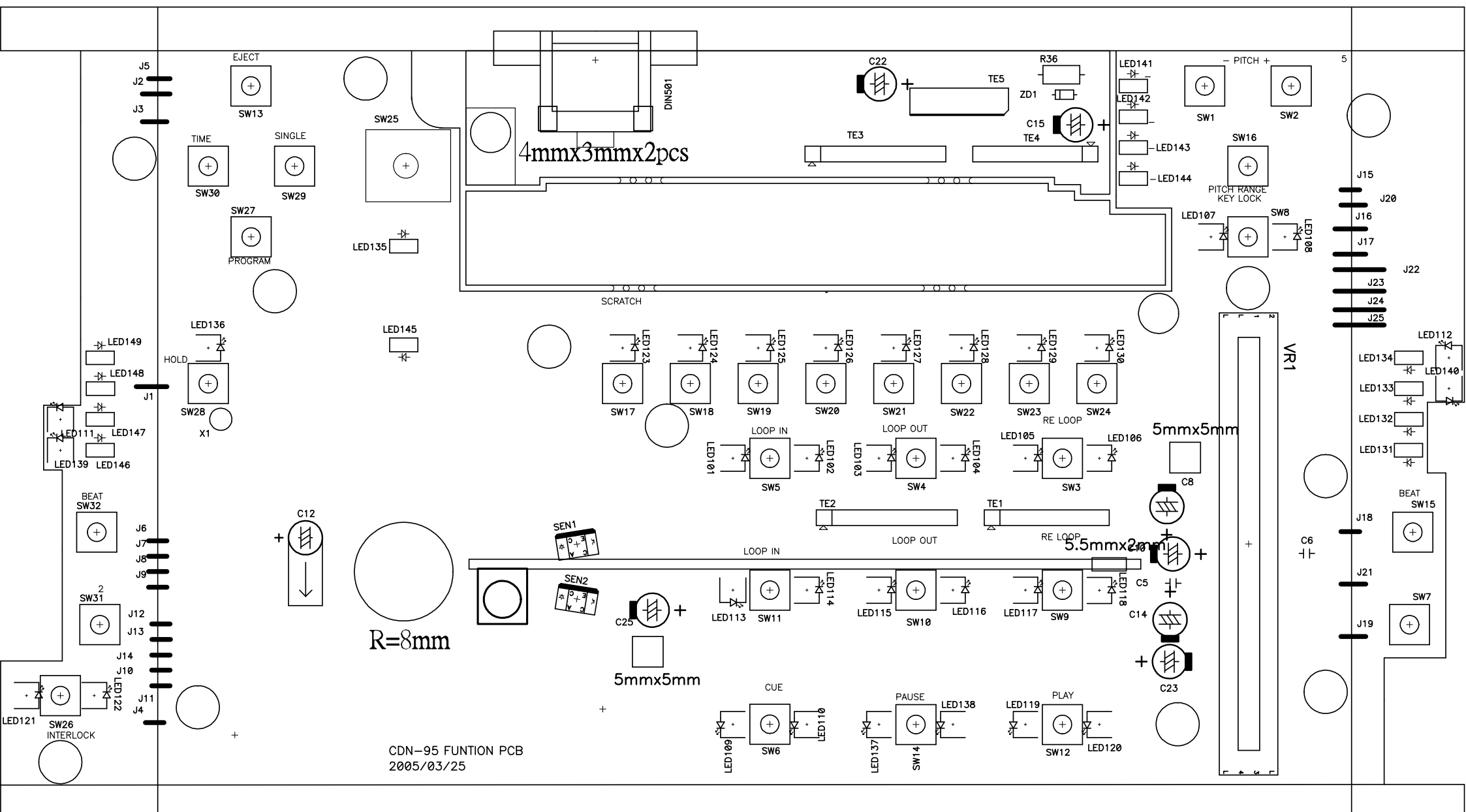


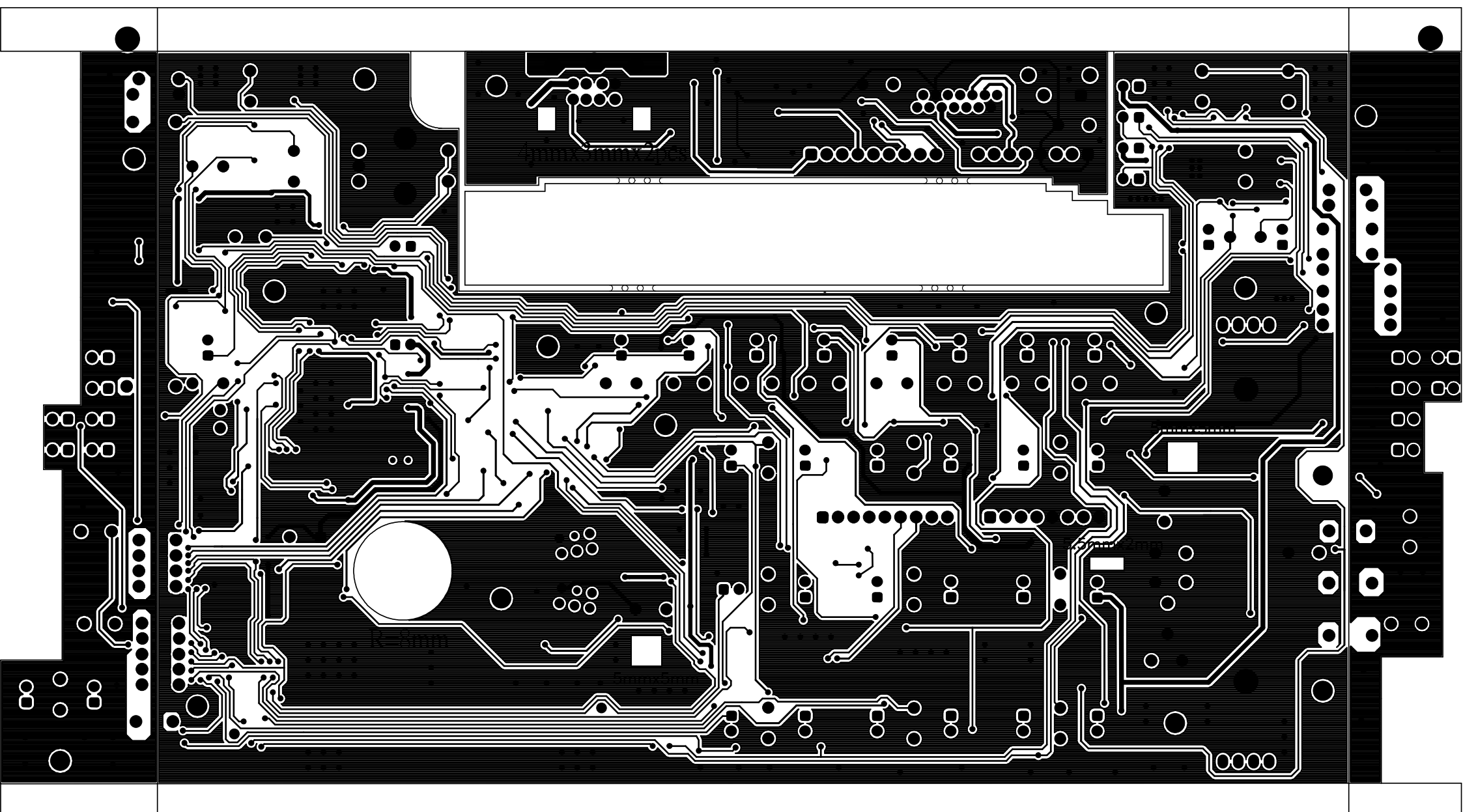




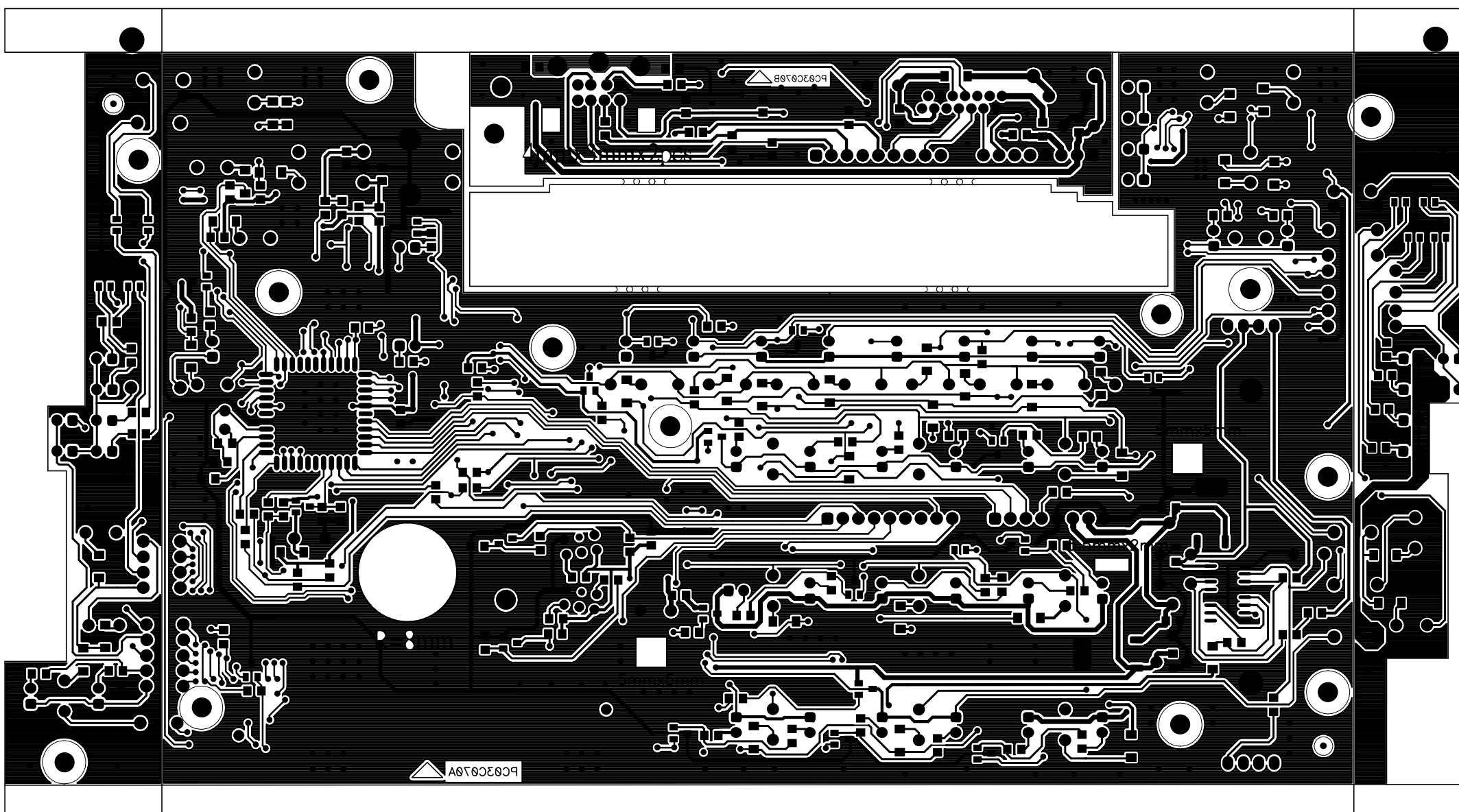


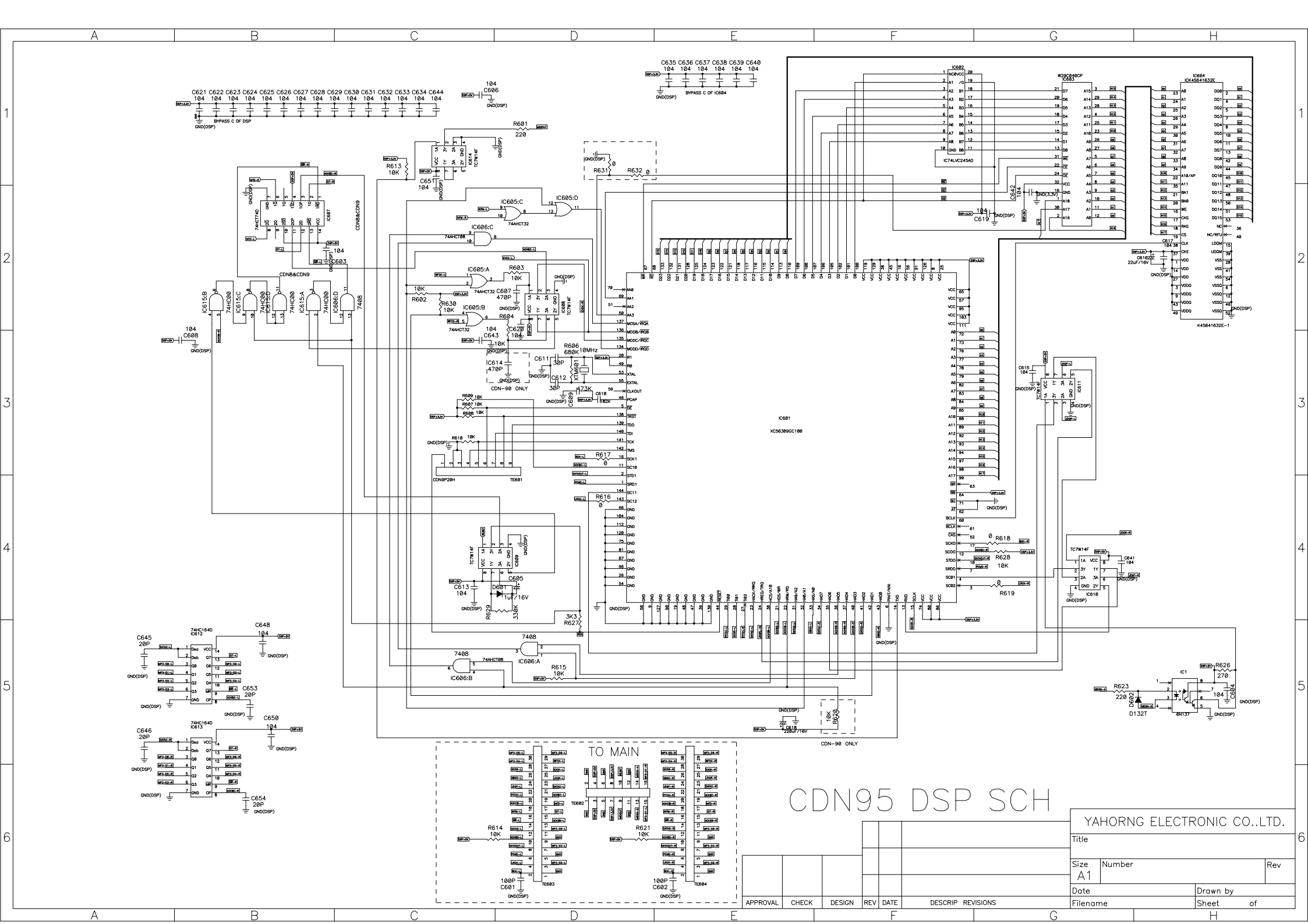












# CDN95 DSP SCH

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|-----------------------------|--------|----------|--|
| YAHORNG ELECTRONIC CO..LTD. |        |          |  |
| Title                       |        |          |  |
| Size                        | Number | Rev      |  |
| A1                          |        |          |  |
| Date                        |        | Drawn by |  |
| Filename                    |        | Sheet of |  |

|          |       |        |     |      |         |           |
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| APPROVAL | CHECK | DESIGN | REV | DATE | DESCRIP | REVISIONS |
|          |       |        |     |      |         |           |

