

# *SERVICE MANUAL*

*MCX8000*

*MODEL NO.: MCX8000*

## *Contents*

<i>Specification .....</i>	<i>1-4</i>
<i>Packing View .....</i>	<i>5</i>
<i>Packing View Part List .....</i>	<i>6</i>
<i>Point To Point Wiring Diagram.....</i>	<i>7</i>
<i>Exploded View .....</i>	<i>8</i>
<i>Exploded View Part List.....</i>	<i>9-12</i>
<i>Electrical Part List .....</i>	<i>13-40</i>
<i>Schematic Diagram.....</i>	<i>41-53</i>
<i>Printed Circuit Board Diagram .....</i>	<i>54-73</i>
<i>Self-diagnostic procedure.....</i>	<i>74-79</i>

## General Specification

1. POWER: AC 100V~230V 50/60Hz TO 12V DC 5.0 Amp Center Pin Positive
2. DIMENSIONS: 727.6 mm (W) X 432.4 mm (D) X 71.3 mm (H)
3. Weight: 8.5 Kg
4. FEATURES:
  1. Two 4:3 inch color screens to display various Serato DJ information
  2. Engine USB Playback
  3. Large-sized touch sensitive Jog Wheels with outer 48pt Blue LED for visual cue marker and to control vinyl-like playback
  4. 4 channel mixing console controller with additional assignable controls.
  5. USB audio MIDI interface w/DVS support
  6. One USB Hub port (rear panel)
  7. One Ethernet Jack for Engine Communication
  8. Control information is passed over USB MIDI.
  9. 2 USB Inputs for Engine Playback
  10. Built in DSP Effects for Engine Decks
  11. 8 Velocity sensitive drum pads per deck to control, Cue, Cue Loop, Roll, Manual Loop, Slicer, Slicer Loop, Sampler, Flip, Sampler, Velocity Sampler.
  12. 2 Dedicated Mic Inputs with 2 Band EQ and Echo effect
  13. Booth Output with booth EQ
5. INPUT/OUTPUT IMPEDANCE & SENSITIVITY: (GAIN VR 12:00 position / MIC GAIN VR 13:00 position, EQ FLAT)
  - 5-1. INPUT IMPEDANCE AND REFERENCE INPUT LEVEL:

LINE:	47K OHM / 0 dBV(1V)
PHONO:	47K OHM /-40dBV(10mV)
MIC:	10K OHM /-40dBu(7.74mV)
  - 5-2. OUTPUT IMPEDANCE AND LEVEL: (MASTER / BOOTH VR 13:00 position, CUE VR 14:00 position)

MASTER:	1K OHM / +0dBu (0.775V) +/-2dB (LOAD=100K ohm)
MASTER BALANCED:	300 OHM / +4dBu (1.23V) +/-2dB (BETWEEN HOT AND COLD load=600 ohm)
BOOTH:	300 OHM / +4dBu (1.23V) +/-2dB (BETWEEN HOT AND COLD load=600 ohm)
PHONES:	40 OHM / +0dBV (1V) +/-2dB (load=40 ohm)
6. FREQUENCY RESPONSE: (GAIN VR 12:00 position, EQ FLAT, MASTER / BOOTH VR 13:00 position)

LINE:	20 - 20K Hz +1/-2dB
PHONO:	20 - 20K Hz +1/-2dB (RIAA)
MIC:	100 - 10K Hz +1/-2dB (MIC GAIN VR 13:00 position)

## General Specification

7. THD + N: (GAIN VR 12:00 position, EQ FLAT, MASTER VR AT UNBALANCED output:0dBV/BALANCED output:4dBu & BOOTH VR AT BOOTH output:4dBu ; w/20kHz LPF)
- |        |   |
|--------|---|
| LINE:  | LESS THAN 0.01% @ 1KHz  |
| PHONO: | LESS THAN 0.03% @ 1KHz (A-WEIGHTED)                             |
| MIC:   | LESS THAN 0.1% @ 1KHz (MIC GAIN VR 13:00 position ; A-WEIGHTED) |
8. MAXIMUM INPUT: (GAIN VR 12:00 position, EQ FLAT, MASTER VR 12:00 position, 1KHz, THD=1%, w/20kHz LPF, A-WEIGHTED)
- |        |   |
|--------|---|
| LINE:  | +18dBV +/-1dB                                 |
| PHONO: | -22dBV +/-1dB                                 |
| MIC:   | MORE THAN -22dBV (MIC GAIN VR 09:00 position) |
9. MAXIMUM OUTPUT: (GAIN VR 12:00 position, EQ FLAT, Output VR AT THD=1%, w/20kHz LPF, A-WEIGHTED)
- |                    |   |
|--------------------|---|
| MASTER UNBALANCED: | +20dBu +/-1dB (+7.75V) (LOAD=100K ohm)                      |
| MASTER BALANCED:   | +24dBu +/-1dB (+12.28V) (BETWEEN HOT AND COLD load=600 ohm) |
| BOOTH:             | +24dBu +/-1dB (+12.28V) (BETWEEN HOT AND COLD load=600 ohm) |
| PHONES:            | MORE THAN +200mW (+2.83V) (LOAD=40 ohm)                     |
10. S/N RATIO: (GAIN VR 12:00 position, EQ FLAT, MASTER VR AT UNBALANCED output:0dBV/BALANCED output:4dBu & BOOTH VR AT BOOTH output:4dBu ; W/20KHz LPF, A-WEIGHTED)
- |        |                |
|--------|----------------|
| LINE:  | MORE THAN 82dB |
| PHONO: | MOTE THAN 80dB |
| MIC:   | MORE THAN 80dB |
11. CROSSTALK: (GAIN VR 12:00 position, EQ FLAT, MASTER VR AT UNBALANCED output:0dBV/BALANCED output:4dBu & BOOTH VR AT BOOTH output:4dBu ; W/20KHz LPF, A-WEIGHTED)
- |              |   |
|--------------|---|
| LINE, PHONO: | MORE THAN 75dB @ 1KHz BETWEEN L AND R CHANNEL |
|              | MORE THAN 80dB @ 1KHz BETWEEN CHANNELS        |
12. FADER KILL: (GAIN VR 12:00 position, EQ FLAT, MASTER VR AT UNBALANCED output:0dBV/BALANCED output:4dBu & BOOTH VR AT BOOTH output:4dBu ; W/20KHz LPF, A-WEIGHTED)
- |                |                        |
|----------------|------------------------|
| CHANNEL FADER: | MORE THAN 80dB AT 1KHz |
| CROSSFADER:    | MORE THAN 80dB AT 1KHz |
13. TONE, EQ: (GAIN VR 12:00 position, EQ FLAT, MASTER / BOOTH VR 13:00 position)
- |      |                                |
|------|--------------------------------|
| MIC: | 15 +/-2dB, -15 +/-2dB AT 100Hz |
|------|--------------------------------|

## General Specification

15 +/-2dB, -15 +/-2dB AT 10KHz

CHANNEL: 6 +/-2dB, BELOW -30dB AT 10Hz  
10 +/-2dB, BELOW -30dB AT 1KHz  
10 +/-2dB, BELOW -30dB AT 10KHz

BOOTH: 15 +/-2dB, -15 +/-2dB AT 10Hz  
15 +/-2dB, -15 +/-2dB AT 10KHz

14. CHANNEL BALANCE: Within 2dB

15. USB HOST PLAYER SECTION: (SIGNAL FORMAT: MP3, 128KBPS)

14-1 OUTPUT LEVEL: 0dBu +/-2dB (TCD782 TRK2, GAIN VR 12:00 position, SET MASTER VR TO 0dBu OUT, EQ FLAT)

14-2 FREQUENCY RESPONSE: 17 - 16KHz +/-2dB (TCD781 TRK1,4,16, SET MASTER VR TO 0dBu OUT, EQ FLAT)

14-3 THD+N: LESS THAN 0.01% (TCD782 TRK2, GAIN VR 12:00 position, SET MASTER VR TO 0dBu OUT, EQ FLAT)

14-4 SN RATIO: MORE THAN 85dB (TCD782 TRK2,8, GAIN VR 12:00 position, SET MASTER VR TO 0dBu OUT, EQ FLAT, W/20KHz LPF, A-WEIGHTED)

14-5 LR SEPARATION: MORE THAN 85dB AT 1KHz (TCD782 TRK2,9,11, GAIN VR 12:00 position, SET MASTER VR TO 0dBu OUT, EQ FLAT, W/20KHz LPF, A-WEIGHTED)

16. USB SLAVE PLAYER SECTION(Windows7 & Audacity-win-2.1.0): (SIGNAL FORMAT: MP3, 128KBPS)

16-1 OUTPUT LEVEL: 0dBu +/-2dB (TCD782 TRK2, GAIN VR 12:00 position, SET MASTER VR TO 0dBu OUT, EQ FLAT)

16-2 FREQUENCY RESPONSE: 17 - 16KHz +/-2dB (TCD781 TRK1,4,16, SET MASTER VR TO 0dBu OUT, EQ FLAT)

16-3 THD+N: LESS THAN 0.01% (TCD782 TRK2, GAIN VR 12:00 position, SET MASTER VR TO 0dBu OUT, EQ FLAT)

16-4 SN RATIO: MORE THAN 85dB (TCD782 TRK2,8, GAIN VR 12:00 position, SET MASTER VR TO 0dBu OUT, EQ FLAT, W/20KHz LPF, A-WEIGHTED)

16-5 LR SEPARATION: MORE THAN 85dB AT 1KHz (TCD782 TRK2,9,11, GAIN VR 12:00 position,

## *General Specification*

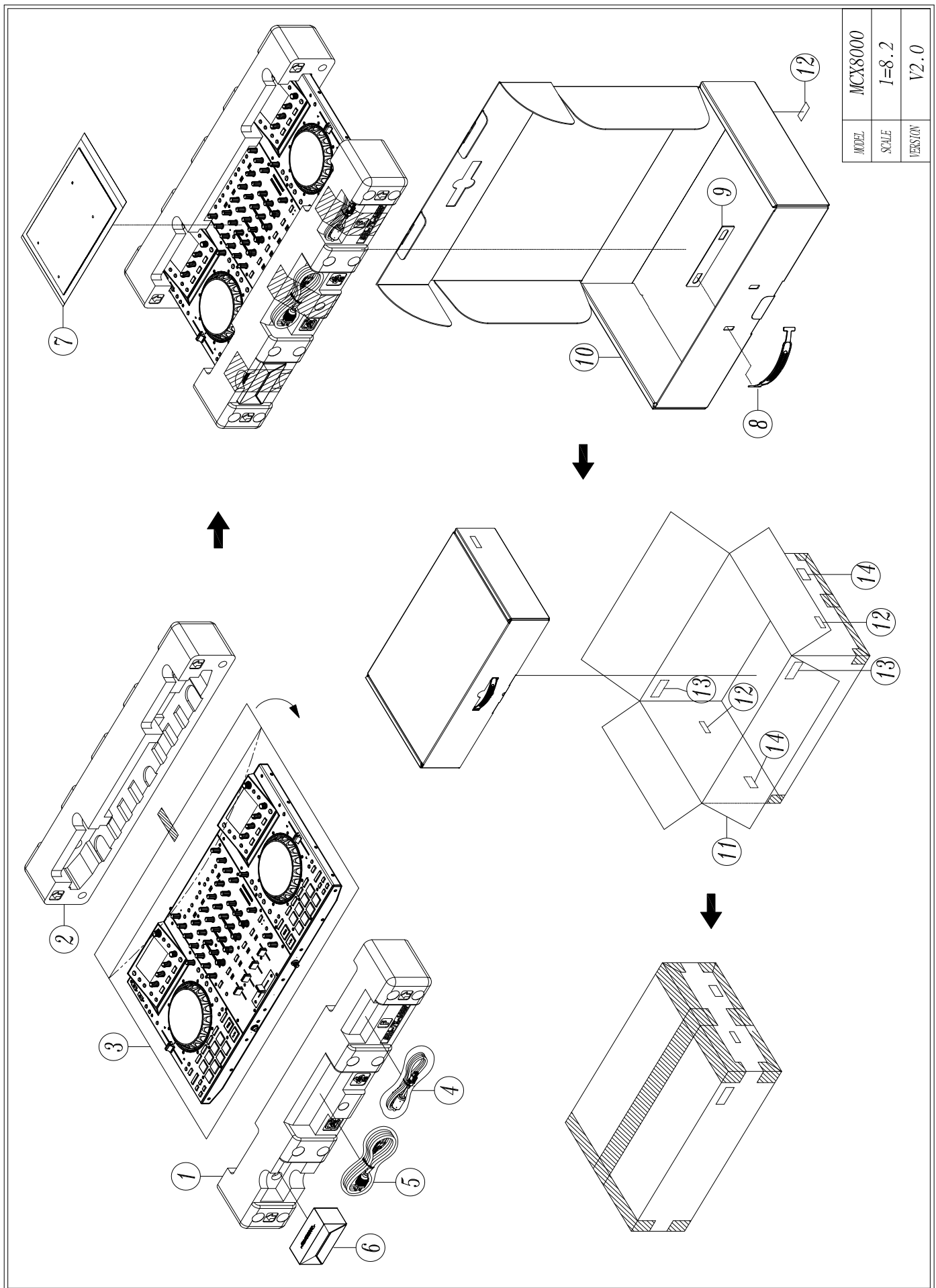
SET MASTER VR TO 0dBu OUT, EQ FLAT, W/20KHz LPF,  
A-WEIGHTED)

16-6 RECORDING AND PLAYBACK(Windows7 & Audacity-win-2.1.0): (LINE 1KHz,0dBV INPUT, GAIN  
VR 12:00 position, SET MASTER VR TO 0dBu OUT, EQ FLAT)

OUTPUT: -9dBu +/-2dB

THD+N: LESS THAN 0.07% (W/20KHz LPF, A-WEIGHTED)

# Packing View

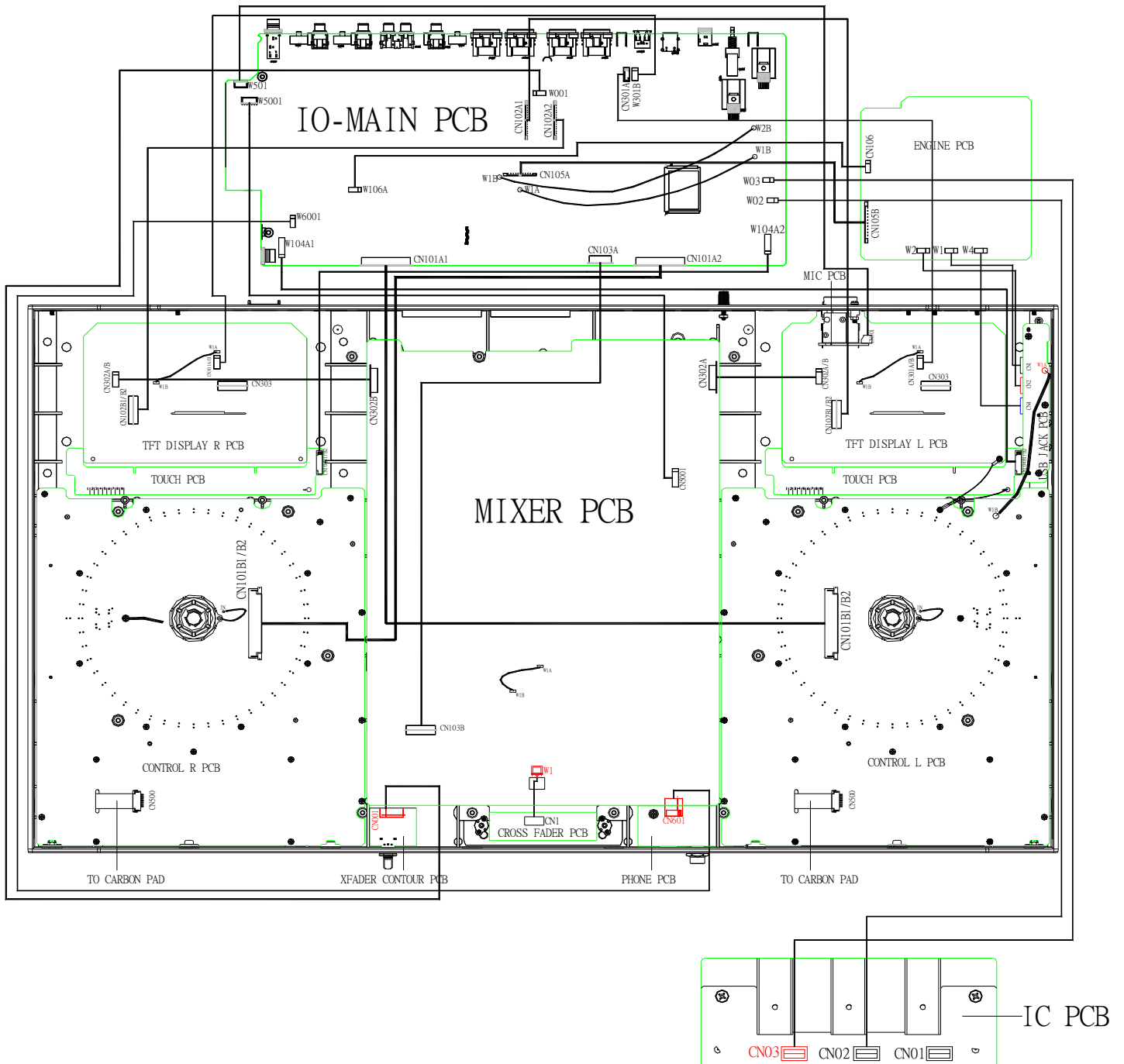


MODEL	MCX8000
SCALE	1=8.2
VERSION	V2.0

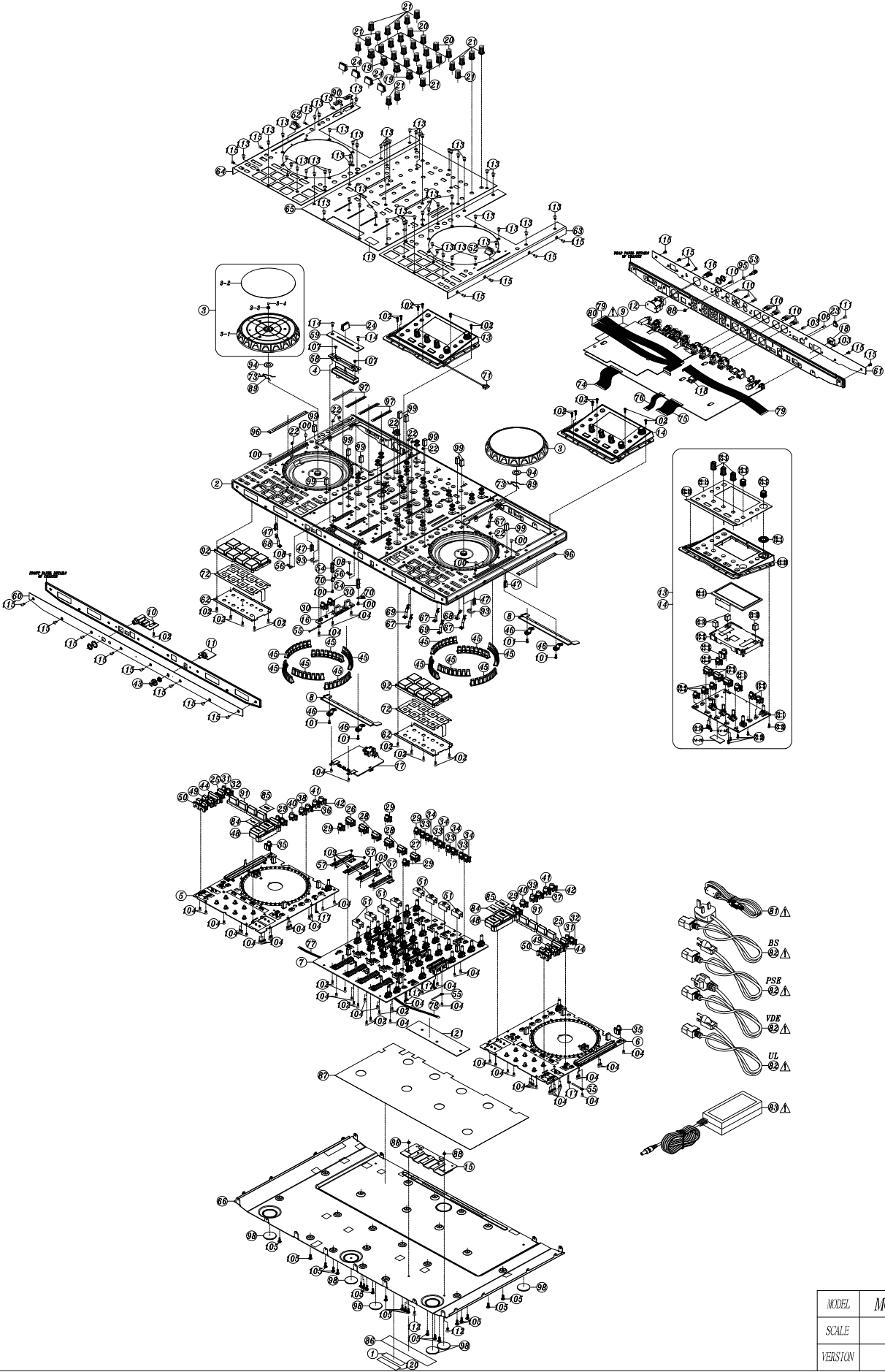
## Packing View Part List

[illegible]

### Point To Point Wiring Diagram







MODEL	MCX8000
SCALE	1=5
VERSION	V2.0

## Exploded View Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
1	BAR CODE(65*15mm,t=0.1mm)	701-MCX8K-3314	1	
2	CHASSIS ASS'Y	701-7K-5560	1	
3	WHEEL ASS'Y	701-7K-5635	2	
3-1	WHEEL & SHAFT ASS'Y	701-7K-5561	2	
3-2	WHEEL PLATE	501-7K-2698	2	
3-3	SPRING(SUS304, $\phi$ 0.4,L=6)	603-RMP3-385	2	
3-4	SCWER(SAE1018,STS,2.0*3)	602-STS2003-677	2	
4	CROSS FADER PCB ASS'Y	704-MC4K-B173	1	
5	CONTROL L PCB ASS'Y	704-MC7K-B181	1	
6	CONTROL R PCB ASS'Y	704-MC7K-B182	1	
7	MIX PCB ASS'Y	704-MC7K-B183	1	
8	TOUCH PCB ASS'Y	704-MC7K-B185	2	
9	IO-MAIN PCB ASS'Y	704-MC7K-B186	1	
10	PHONE PCB ASS'Y	704-MC7K-B187	1	
11	XFADER CONTOUR PCB ASS'Y	704-MC7K-B188	1	
12	MIC PCB ASS'Y	704-MC7K-B189	1	
13	TFT DISPLAY L ASS'Y	704-MC7K-B243	1	
14	TFT DISPLAY R ASS'Y	704-MC7K-B244	1	
13-1	TFT DISPLAY L PCB ASS'Y	704-MC7K-B184	1	
14-1	TFT DISPLAY R PCB ASS'Y	704-MC7K-B212	1	
13-2	ROTARY KNOB	100-JC06-2634A	3	
14-2				
13-3	ENCODER KNOB	100-7000-2736V	2	
14-3				
13-4	JACKET RING	100-2000-2774	1	
14-4				
13-5	ON BUTTON	100-7KD-2909	3	
14-5				
13-6	CIRCULAR BUTTON	100-2000-2910	6	
14-6				
13-7	VIEW CIRCULAR BUTTON	100-7KD-2911	1	
14-7				
13-8	TAP CIRCULAR BUTTON	100-7KE-2911	1	
14-8				
13-9	TFT BASE	100-7K-3209	1	
14-9				
13-10	TFT COVER	100-7K-3210	1	
14-10				
13-11	VFS TFT DISPLAY(TFT043A-LN05-T,105.5*67.2MM)	410-MC7K-450	1	
14-11				
13-12	SEARCH LENS	501-7K-2696	1	
14-12				
13-13	SPONGE(10*14*8mm)	612-USOLOFX-369	3	
14-13				
13-14	TFT LENS	501-7K-2697	1	
14-14	TFT LENS	501-7KA-2697	1	

## Exploded View Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
13-15	SCREW(SAE1018,PTP,M2.6*L8)	602-SL24F-099	7	
14-15		602-SL24F-099	8	
14-16	CUSHION(EVA,BLACK,35*15*1.5t)	612-390-234	1	
15	HEAT SINK PCB ASS'Y	704-MC7K-B245	1	
16	USB JACK PCB ASS'Y	704-MC7K-B246	1	
17	ENGINE PCB ASS'Y	704-MC7K-B247	1	
18	POWER KNOB	100-HDJ2000-1641	1	
19	ROTARY KNOB	100-7K-2633	4	
20	ROTARY KNOB	100-7K-2634A	4	
21	ROTARY KNOB	100-JC06-2634A	28	
22	LED LENS	100-700-2680	8	
23	CORD BUCKLE	100-BLACK-2682	1	
24	PUSH BUTTON	100-22-2824	5	
25	SHIFT BUTTON	100-7K-2909	2	
26	TALK OVER BUTTON	100-7KA-2909	1	
27	X-F LINK BUTTON	100-7KB-2909	1	
28	CUE BUTTON	100-7KC-2909	4	
29	CIRCULAR BUTTON	100-2000-2910	8	
30	CIRCULAR BUTTON(SOURCE MATERIAL)	100-2000B-2910S	2	
31	CIRCULAR BUTTON	100-7KA-2910	2	
32	CIRCULAR BUTTON	100-7KB-2910	2	
33	CIRCULAR BUTTON	100-7KD-2910	4	
34	CIRCULAR BUTTON	100-7KE-2910	4	
35	CIRCULAR BUTTON	100-7KF-2910	2	
36	GREAT CIRCULAR BUTTON	100-7K-2911	1	
37	GREAT CIRCULAR BUTTON	100-7KA-2911	1	
38	GREAT CIRCULAR BUTTON	100-7KB-2911	1	
39	GREAT CIRCULAR BUTTON	100-7KC-2911	1	
40	VINYL CIRCULAR BUTTON	100-7KF-2911	2	
41	SENSOR CIRCULAR BUTTON	100-7KG-2911	2	
42	SLIP CIRCULAR BUTTON	100-7KH-2911	2	
43	ROTATE KNOB	100-6K2-3080	1	
44	AUTO BUTTON	100-7K-3202	2	
45	JW LENS(ABS PA-758)	100-7K-3203	12	
46	BOARD	100-7K-3206	4	
47	PITCH LENS	100-7K-3207	4	
48	PLAY KNOB	100-7K-3208	2	
49	2 KEY RECTANGLE BUTTON	100-7K-3212	2	
50	2 KEY RECTANGLE BUTTON	100-7KA-3212	2	
51	BUTTON	100-7K-3213	8	
52	PUSH KNOB	100-7K-3215	2	
53	GROUND TERMINAL	200-GND-642	1	
54	PILLAR	200-8K-797	2	
55	LOCKING CABLE CLIP(WC-1A-M9B, $\phi$ 7.6,L=35.6mm)	300-HM510B-224	3	
56	GROUND PLATE	300-MX200-1743	2	
57	FIXED PLATE	300-JC06-2209	4	

## Exploded View Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
58	FIXED PLATE	300-7K-2222	1	
59	CF PANEL	300-7K-2223	1	
60	FRONT BOARD	300-7K-2224	1	
61	REAR PANEL	300-8K-2225	1	
62	FIXED PLATE	300-7K-2226	2	
63	LEFT FRONT PANEL	300-7K-2227	1	
64	RIGHT FRONT PANEL	300-7K-2228	1	
65	FRONT PANEL	300-7K-2229	1	
66	BOTTOM BOARD	300-7K-2230	1	
67	GROUND PLATE	300-8K-2274	4	
68	GDECK PLATE	300-8K-2275	2	
69	GROUND PLATE	300-8K-2276	2	
70	CF PLATE	300-8K-2277	2	
71	5P 2.0 USB CONNECTOR WIRE(L=420mm)	404-MC7K-3989	1	TFT DISPLAY L PCB CN301A/B TO MIN PCB CN301A
72	CARBON PAD(MF24-N-0A8-B02)	405-MC7K-3338	2	
73	1P WIRING(L=60mm)	406-H503-067	2	
74	36P 1.0 FFC CABLE(L=160mm)	406-MC7K-1326	1	TFT DISPLAY L PCB CN101B1/B2TO MAIN CN101A1,
75	36P 1.0 FFC CABLE(L=110mm)	406-MC7K-1327	1	TFT DISPLAY PCB CN101B1/B2TO MAIN CN101A2,
76	14P 1.0 FFC CABLE(L=150mm)	406-MC7K-1328	1	MIX CN103B TO MAIN CN103A,
77	6P 1.0 FFC CABLE(L=90mm)	406-MC7K-1329	1	MIX CN302A TO/TFT CN302B1/B2,
78	6P 1.0 FFC CABLE(L=200mm)	406-MC7K-1330	1	MIX CN302B TO/TFT CN302B1/B2
79	26P 1.0 FFC CABLE(L=330mm)	406-MC7K-1331	2	TFT CN102B1/B2 TO MAIN PCB CN102A1,TFT CN102 B1/B2 TO MAIN CN102A2,
80	20P 1.0 FFC CABLE(L=330mm)	406-MC7K-1336	1	ENGINE CN105B TO MAIN CN105A
81	USB CABLE(L=1500mm,CORE)	408-MC7K-145	1	
82	AC POWER CORD(L=1900mm,3P UL/CSA/3P)	409-HDJ7100-054D	1	USA
	AC POWER CORD(L=1900mm,VDE TYPE)	409-HDJ7100-055D	1	Europe
	AC CORD(L=2000mm,SP-305B/IS-14,PSE TYPE)	409-500C-219	1	Japan
	AC POWER CORD(L=1900mm,3P BS(LP-61L)/3P(LS-60))	409-CD1000-050A	1	United Kingdom
83	TRANSFORMER(AC100-240V,50/60HZ,DC12V 5A)	411-MC7K-962	1	USA, Europe, United Kingdom
84	PLAY PANEL	501-7K-2699	2	
85	CUE PANEL	501-7K-2700	2	
86	RATING LABEL(157.5*30mm,t=0.08mm)	501-MCX8K-2736A	1	
87	ISOLATION SLICE	501-7K-2757	1	
88	NUT(M3*P0.5,2.5t)	601-A100-004	3	
89	SPRING( \$ 1)	603-C304-335	2	

*Exploded View Part List*

[illegible]

**Control L P.C.B Ass'y Part List**

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	CONTROL L PCB ASS'Y	704-MC7K-B181	1	
CN500,	10P FFC CONNECTOR(SMD)	404-CDMIX2-1142	1	
CN101B1/B2,	36P 1.0 FFC SOCKET(1.0D-36PBS,SMD90°)	404-COMBO-3724	1	
D114A,D114B,D124,	LED(L304UGD)	410-MC4K-448	3	
DP01,DP02,DP03,DP04,DP05,DP06,DP07,DP08,	LED(RGB,LL-U42RGBC2B-044, § 5)	410-MC7K-449	8	
D113A,D113B,D120A,D120B,	LED(1L034XW32BOMA203)	410-MCU30C-402V	4	
R157,	CARBON FILM RESISTOR(1K OHM,1/6W,J,T-26)	412-3113-078	1	
C103,	ELEC. CAPACITOR(10uF/35V,TL M 105°C 5*11 TPYE)	413-45X-1244	1	
C101,	ELEC. CAPACITOR(100uF/10V,M,105°C ,TAPING 5*7,MINI)	413-HMA2200-5017	1	
C121,	ELEC. CAPACITOR(100UF/25V,LOWESR,6.3*11,105 °C SG,TAPING)	413-MC6000-1191	1	
C110,	ELEC. CAPACITOR(10uF/25V,M,105°C ,TAPING 4*7,MINI)	413-SPPW3-235	1	
L500,	INDUCTANCE(100uH J 0707-444-W077)	415-HT8015-040	1	
D150,D151,	SENSOR(LTH-301-07)	417-HDJ2000-411	2	
PV101,	SLIDE VR(10K(3BM)*2,RFA0N12L6510,L=22.5)	418-MC4K-737	1	
VR101,	ROTARY VR(20KB,RD901F-40-20FP-B20K-00DJ8,L=20)	418-MC6000-638	1	
D124,	LED HOLDER(LED3-4A-B, § 4.2,H=4.5,BLACK,NYLON66)	504-DD5250A-073	1	
	SPONGE(10*17*8mm)	612-MAIE-399	2	
D101A,D102B,D101B,D102A,D103A,D103B,D104A,D104B,	CHIP LED(EOS-RGB905A00,RED/GREN/BLU,3528)	410-MC7K-445	8	
R135,R137,R139,R141,R143,R145,R147,R149,	CHIP RESISTOR(3.3K,1/10W,J,0603,50V)	412-007USB-699	8	
R163,R165,	CHIP RESISTOR(12K OHM,1/10W,0603,J,TP,50V)	412-007USB-702	2	
R164,R166,RP02,RP03,RP05,RP06,RP08,RP09,RP11,RP12,RP14,RP15,RP17,RP18,RP20,RP21,RP23,RP24,	CHIP RESISTOR(300OHM,1/10W,F,TP0603,50V)	412-900-975	18	
R155,	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V)	412-900-977	1	
RP01,RP04,RP07,RP10,RP13,RP16,RP19,RP22,	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)	412-CD900-795	8	
R101A2,R101A3,R101B2,R101B3,R102A2,R102A3,R102B2,R102B3,R103A2,R103A3,R103B2,R103B3,R104A2,R104A3,R104B2,R104B3,R114A,R114B,R124,R136,R138,R140,R142,R144,R146,R148,R150,	CHIP RESISTOR(100 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-530	27	
R127,R128,R129,R130,R131,R133,R161,R162,RP25,RP26,RW49,RW50,RW52,RW53,RW54,RW51,RP27,	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-534	17	
R101A1,R101B1,R102A1,R102B1,R103A1,R103B1,R104A1,R104B1,R154,	CHIP RESISTOR(1K OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-540	9	
R168,	CHIP RESISTOR(470 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-545	1	
R158,R159,R160,	CHIP RESISTOR(0 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-552	3	
R156,	CHIP RESISTOR(20K OHM,1/10W,J,0603,50V)	412-DCM280-726	1	
R151,R152,	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)	412-I1-1252	2	
R153,	CHIP RESISTOR(2.4Kohm,1/10W,J,TP 0603,50V)	412-MH2-1135	1	

**Control L P.C.B Ass'y Part List**

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
R110,R105,R106,R107,R108,R109,R111,R112A,R112B,R113A,R113B,R115,R116,R117,R118,R119A,R119B,R120A,R120B,R121,R123,R125,R122,R126,RW1,RW2,RW3,RW4,RW5,RW6,RW7,RW8,RW9,RW10,RW11,RW12,RW13,RW14,RW15,RW16,RW17,RW18,RW19,RW20,RW21,RW22,RW23,RW24,RW25,RW26,RW27,RW28,RW29,RW30,RW31,RW32,RW33,RW34,RW35,RW36,RW37,RW38,RW39,RW40,RW41,RW42,RW43,RW44,RW45,RW46,RW47,RW48,	CHIP RESISTOR(200 OHM,1/10W,J,TP 0603,50V)	412-MH2-1138	72	
R167,	CHIP RESISTOR(10 OHM,1/8W ,1206,J ,TP ,150V)	412-SX2800-948	1	
C528,	CHIP CAPACITOR(10uF/10V,Z,1206 TAP,Y5V)	413-007USB-796	1	
C126,C127,C123,C128,C129,C130,C131,C132,	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)	413-007USB-797	8	
C125,	CHIP CAPACITOR(1000pF/50V,J,0603 TYPE,NPO)	413-COMBO-1256	1	
C102,C104,C105,C106,C107,C108,C109,C111,C120,C122,C124,C1514,CP01,CP02,CP03,CW01,CW02,CW03,CW04,CW05,CW06,	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)	413-DCM280-773	21	
C112,C113,C114,C115,C116,C118,C119,C117,	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO)	413-DCM280-889	8	
D135,D136,D137,D138,D139,D140,D141,D142,D143,D144,D145,D146,D147,D148,D149,D127,D128,D129,D130,D131,D132,D133,D134,	SWITCHING DIODE(ISS355VM 1.7*1.25MM)	414-CD1000-075A	23	
D152,D153,	ESD DIODE(EDZCTE616.8B,150MW/6.93V,EMD2)	414-RMP3-285	2	
Q703,Q704,	TRANSISTOR(TR DTC124EKAT146 SMT3)	416-CDN88-044	2	
IC101,	IC(SN74LVC1G17DCKR)	417-DDJLE-1078	1	
ICW7,	IC(PIC16F616-I/SL,SOIC-16)	417-RMP3-936	1	
ICP4,ICP5,	IC(74HC4053D SOP-16)	417-SA12-485	2	
ICW3,ICW4,ICW5,ICW6,ICD1,ICD2,ICD3,ICD4,ICD5,ICP1,ICP2,ICP3,ICW1,ICW2,	IC(SN74HC595DR,16P,SOIC-D)	417-SPL-1137	14	
SW114,SW115,	TACT SW(EVQ11D04K,H=4.3,100G)	403-DDJLE-416	2	
SW101,SW102,SW103,SW104,SW105,SW106,SW107,SW108,SW109,SW110,SW111,SW112,SW113,SW116,SW117,SW118,SW119,SW120,SW121,SW122,SW123,	TACT SW(H=4.3,160G,SKRGABD010)	403-DDJLE-419	21	
	CONTROL L PCB	405-MC7K-3340	1	
D105,D106,D108,D109,D110,D111,D121,D122,D123,D125,D126,	LED(AMBER, \$ 3,TAPING)	410-6K2-436	11	
DW1,DW2,DW3,DW4,DW5,DW6,DW7,DW8,DW9,DW10,DW11,DW12,DW13,DW14,DW15,DW16,DW17,DW18,DW19,DW20,DW21,DW22,DW23,DW24,DW25,DW26,DW27,DW28,DW29,DW30,DW31,DW32,DW33,DW34,DW37,DW38,DW35,DW36,DW39,DW40,DW41,DW42,DW43,DW44,DW45,DW46,DW47,DW48,D107,D112A,D112B,D115,D116,D117,D118,D119A,D119B,	LED(BLUE,LTL1CHTBK4-002, \$ 3,TAPING)	410-CDI600-357A	57	

## Control R P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	CONTROL R PCB ASS'Y	704-MC7K-B182	1	
CN500,	10P FFC CONNECTOR(SMD)	404-CDMIX2-1142	1	
CN101B1/B2,	36P 1.0 FFC SOCKET(1.0D-36PBS,SMD90°)	404-COMBO-3724	1	
D116A,D116B,D121,	LED(L304UGD)	410-MC4K-448	3	
DP01,DP02,DP03,DP04,DP05,DP06,DP07,DP08,	LED(RGB,LL-U42RGBC2B-044, § 5)	410-MC7K-449	8	
D117A,D117B,D125A,D125B,	LED(1L034XW32BOMA203)	410-MCU30C-402V	4	
R157,	CARBON FILM RESISTOR(1K OHM,1/6W,J,T-26)	412-3113-078	1	
C103,	ELEC. CAPACITOR(10uF/35V,TL M 105°C 5*11 TPYE)	413-45X-1244	1	
C101,	ELEC. CAPACITOR(100uF/10V,M,105°C,TAPING 5*7,MINI)	413-HMA2200-5017	1	
C121,	ELEC. CAPACITOR(100UF/25V,LOWESR,6.3*11,105°C SG,TAPING)	413-MC6000-1191	1	
C110,	ELEC. CAPACITOR(10uF/25V,M,105°C,TAPING 4*7,MINI)	413-SPPW3-235	1	
L500,	INDUCTANCE(100uH J 0707-444-W077)	415-HT8015-040	1	
D150,D151,	SENSOR(LTH-301-07)	417-HDJ2000-411	2	
PV101,	SLIDE VR(10K(3BM)*2,RFA0N12L6510,L=22.5)	418-MC4K-737	1	
VR101,	ROTARY VR(20KB,RD901F-40-20FP-B20K-00DJ8,L=20)	418-MC6000-638	1	
D121,	LED HOLDER(LED3-4A-B, § 4.2,H=4.5,BLACK,NYLON66)	504-DD5250A-073	1	
	SPONGE(10*17*8mm)	612-MAIE-399	2	
D101A,D101B,D102A,D102B,D103A,D103B,D104A,D104B,	CHIP LED(EOS-RGB905A00,RED/GREN/BLU,3528)	410-MC7K-445	8	
R135,R137,R139,R141,R143,R145,R147,R149,	CHIP RESISTOR(3.3K,1/10W,J,0603,50V)	412-007USB-699	8	
R163,R165,	CHIP RESISTOR(12K OHM,1/10W,0603,J,TP,50V)	412-007USB-702	2	
R164,R166,RP02,RP03,RP05,RP06,RP08,RP09,RP11,RP12,RP14,RP15,RP17,RP18,RP20,RP21,RP23,RP24,	CHIP RESISTOR(300OHM,1/10W,F,TP 0603,50V)	412-900-975	18	
R155,	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V)	412-900-977	1	
RP01,RP04,RP07,RP13,RP16,RP19,RP22,RP10,	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)	412-CD900-795	8	
R101A2,R101A3,R101B2,R101B3,R102A2,R102A3,R102B2,R102B3,R103A2,R103A3,R103B2,R103B3,R104A2,R104A3,R104B2,R104B3,R116A,R116B,R121,R136,R138,R140,R142,R144,R146,R148,R150,	CHIP RESISTOR(100 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-530	27	
R127,R128,R129,R130,R131,R133,R161,R162,RP25,RP26,RP27,RW49,RW50,RW51,RW52,RW53,RW54,	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-534	17	
R101A1,R101B1,R102A1,R102B1,R103B1,R103A1,R104A1,R104B1,R154,	CHIP RESISTOR(1K OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-540	9	
R168,	CHIP RESISTOR(470 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-545	1	
R158,R159,R160,	CHIP RESISTOR(0 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-552	3	
R156,	CHIP RESISTOR(20K OHM,1/10W,J,0603,50V)	412-DCM280-726	1	
R151,R152,	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)	412-I1-1252	2	
R153,	CHIP RESISTOR(2.4Kohm,1/10W,J,TP 0603,50V)	412-MH2-1135	1	



**Control R P.C.B Ass'y Part List**

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
R105,R106,R107,R108,R109,R110,R111,R112,R113,R114,R115,R117A,R117B,R118A,R118B,R119,R120,R122,R123,R124,R125A,R125B,R126A,R126B,RW1,RW2,RW3,RW4,RW5,RW6,RW7,RW8,RW9,RW10,RW11,RW12,RW13,RW14,RW15,RW16,RW17,RW18,RW19,RW20,RW21,RW22,RW23,RW24,RW25,RW26,RW27,RW28,RW29,RW30,RW31,RW33,RW34,RW35,RW36,RW37,RW38,RW39,RW40,RW41,RW42,RW43,RW44,RW45,RW46,RW47,RW48,RW32,	CHIP RESISTOR(200 OHM,1/10W,J,TP 0603,50V)	412-MH2-1138	72	
R167,	CHIP RESISTOR(10 OHM,1/8W ,1206,J ,TP ,150V)	412-SX2800-948	1	
C528,	CHIP CAPACITOR(10uF/10V,Z,1206 TAP,Y5V)	413-007USB-796	1	
C123,C126,C127,C128,C129,C130,C131,C132,	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)	413-007USB-797	8	
C125,	CHIP CAPACITOR(1000pF/50V,J,0603 TYPE,NPO)	413-COMBO-1256	1	
C102,C104,C105,C106,C107,C108,C109,C111,C120,C122,C124,C1514,CP01,CP02,CP03,CW01,CW02,CW03,CW04,CW05,CW06,	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)	413-DCM280-773	21	
C112,C113,C114,C115,C116,C117,C118,C119,	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO)	413-DCM280-889	8	
D127,D128,D129,D130,D131,D132,D133,D134,D135,D136,D137,D138,D139,D140,D141,D142,D143,D144,D145,D146,D147,D148,D149,	SWITCHING DIODE(ISS355VM 1.7*1.25MM)	414-CD1000-075A	23	
D152,D153,	ESD DIODE(EDZCTE616.8B,150MW/6.93V,EMD2)	414-RMP3-285	2	
Q703,Q704,	TRANSISTOR(TR DTC124EKAT146 SMT3)	416-CDN88-044	2	
IC101,	IC(SN74LVC1G17DCKR)	417-DDJLE-1078	1	
ICW7,	IC(PIC16F616-I/SL,SOIC-16)	417-RMP3-936	1	
ICP4,ICP5,	IC(74HC4053D SOP-16)	417-SA12-485	2	
ICD1,ICD2,ICD3,ICD4,ICD5,ICP1,ICP2,ICP3,ICW1,ICW2,ICW3,ICW4,ICW5,ICW6,	IC(SN74HC595DR,16P,SOIC-D)	417-SPL-1137	14	
SW117,SW121,	TACT SW(EVQ11D04K,H=4.3,100G)	403-DDJLE-416	2	
SW102,SW103,SW104,SW105,SW106,SW110,SW107,SW111,SW112,SW108,SW109,SW101,SW113,SW114,SW115,SW116,SW118,SW119,SW120,SW122,SW123,	TACT SW(H=4.3,160G,SKRGABD010)	403-DDJLE-419	21	
	CONTROL R PCB(FR-4,265.5*251.5*1.6T)	405-MC7K-3341	1	
D105,D106,D107,D108,D110,D111,D119,D120,D122,D123,D124,	LED(AMBER, § 3,TAPING)	410-6K2-436	11	
DW1,DW2,DW3,DW4,DW5,DW6,DW7,DW8,DW9,DW10,DW11,DW12,DW13,DW14,DW15,DW16,DW17,DW18,DW19,DW20,DW21,DW22,DW23,DW24,DW25,DW26,DW27,DW28,DW29,DW30,DW31,DW32,DW33,DW34,DW35,DW36,DW37,DW38,DW39,DW40,DW41,DW42,DW43,DW44,DW45,DW46,DW47,DW48,D109,D112,D113,D114,D115,D118A,D118B,D126A,D126B,	LED(BLUE,LTL1CHTBK4-002, § 3,TAPING)	410-CDI600-357A	57	

# MIX P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	MIX PCB ASS'Y	704-MC7K-B183	1	
	LED HOLDER	100-7K-3204	4	
	LED HOLDER	100-7K-3205	2	
SW519,SW520,SW521,SW522,SW24,SW25,	SLIDE SW(SSH-13D03-G8-NS)	403-MC7K-456	6	
SW523,SW526,	SLIDE SW	403-SR-434	2	
CN5001,	6P 2.0 SOCKET(SMD)	404-MC4K-3953	1	
CN302A,CN302B,	6P 1.0 FFC SOCKET(1.0D-6PBS,SMD90°)	404-MC7K-3960	2	
CN103B,	14P 1.0 FFC SOCKET(1.0D-14PLB,SMD180°)	404-MC7K-3963	1	
W1,	3P 2.0 CONNECTOR WIRE(L=70mm,AWM2468,AWG26)	404-RMX33I-3908	1	
W1A TO W1B,	1P GROUND WIRE(L=50±5mm,UL1007#22,BLACK)	406-MIXF-1073	1	
DL591,DL592,	LED ( RED/GREEN,LTL-1BEWJ )	410-HDJ9300-198	2	
DL584,	LED(L304UGD)	410-MC4K-448	1	
DL510,DL520,DL530,DL540,DL550,DL560,	LED ( LTL-3221A,RED )	410-SA12-177	6	
DL515,DL516,DL517,DL518,DL519,DL525,DL526,DL527,DL528,DL529,DL535,DL536,DL537,DL538,DL539,DL545,DL546,DL547,DL548,DL549,DL553,DL554,DL555,DL556,DL563,DL564,DL565,DL566,	LED ( LTL-3231A,GREEN )	410-SA12-178	28	
DL511,DL512,DL513,DL514,DL521,DL522,DL523,DL524,DL531,DL532,DL533,DL534,DL541,DL542,DL543,DL544,DL551,DL552,DL561,DL562,	LED(YELLOW,JAL233YD,5*2)	410-SA12-179W	20	
R543,	CARBON FILM RESISTOR(10 OHM,1/4W,J,T-52)	412-BJ2300I-468	1	
C604,C605,C606,C607,C608,CL501,	ELEC. CAPACITOR(220uF/16V,LOWESR,6.3*11,105 °C SG,TAPING)	413-MC6000-1190	6	
L501,	BEAD(RH03506BT-B-N,TAPING RT)	415-DCM370E3-134	1	
VR333,VR334,VR335,VR336,	SLIDE VR(20KB,RF45112G400F-HF)	418-6K2-717	4	
VR305,VR311,VR313,VR319,VR321,VR323,VR328,VR330,VR331,	ROTARY VR(20KB,RD901F-40-20FP-B20K-00DJ8,L=20)	418-MC6000-638	9	
VR301,VR302,VR303,VR304,VR306,VR307,VR308,VR309,VR310,VR312,VR314,VR315,VR316,VR317,VR318,VR320,VR322,VR324,VR325,VR326,VR327,VR329,VR332,	ROTARY VR(RD901F-40-20FP-B20K-0CDJ8,L=20)	418-MC6000-639	23	
VR501,VR502,	ROTARY VR(20K(A),RD901F-40-20FP-A20K-00DJ8,L=20)	418-MC7K-750	2	
DL591,DL592,	LED HOLDER(LED3X-3A)	504-6K2-303	2	
	SPONGE(10*17*8mm)	612-MAIE-399	2	

# MIX P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
RL510,RL511,RL512,RL513,RL514,RL515,RL516,RL517,RL518,RL519,RL520,RL521,RL522,RL523,RL524,RL525,RL526,RL527,RL528,RL529,RL530,RL531,RL532,RL533,RL534,RL535,RL536,RL537,RL538,RL539,RL540,RL541,RL542,RL543,RL544,RL545,RL546,RL547,RL548,RL549,RL550,RL551,RL552,RL553,RL554,RL555,RL556,RL560,RL561,RL562,RL563,RL564,RL565,RL566,	CHIP RESISTOR(47 OHM,1/10W,J,0603,50V)	412-007USB-697	54	
R556,R557,	CHIP RESISTOR(2.7Kohm,1/10W,F,TP 0603,50V)	412-100U-1045	2	
RL594C,RL595C,RL596C,RL597C,	CHIP RESISTOR(300OHM,1/10W,F,TP 0603,50V)	412-900-975	4	
RL575,	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V)	412-900-977	1	
RL594A,RL594B,RL595A,RL595B,RL596A,RL596B,RL597A,RL597B,	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)	412-CD900-795	8	
RL574,RL601,RL602,	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP,50V)	412-CDVD2001-523	3	
RL591,RL600,	CHIP RESISTOR(100 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-530	2	
R502,R503,R504,R505,R550,R551,R552,R553,R554,R555,RL571,RL572,RL573,RL577,	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP ,50V)	412-CDVD2001-534	14	
R560,R561,R562,R563,R564,R565,R566,R567,	CHIP RESISTOR(1K OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-540	8	
R506,R507,R508,R509,R510,R546,R547,R548,R549,	CHIP RESISTOR(1K,1/4W,1206,J,TP)	412-D2500-1527	9	
J185,J334,J335,J338,J336,R511,R512,R513,R514,R515,R516,R517,R518,R519,R520,R521,R522,R523,R524,R525,R526,R527,R528,R529,R530,R531,R532,R533,R534,R535,R536,R537,R538,R539,R540,R541,R542,R545,J023,J024,J025,J054,J084,J090,J091,J144,J149,J222,J223,J224,J225,J226,J227,J229,J231,J232,J241,J242,J243,J280,J283,J284,J285,J286,J287,J288,J289,J290,J291,J292,J293,J294,J295,J296,J302,J303,J304,J305,J306,J307,	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)	412-DJ3000-414	80	
L301,L302,J339,	CHIP RESISTOR (0 OHM,1/8W,0805,J,TP 150V)	412-HV3500K-367	3	
RB501,	CHIP RESISTOR(470Ω ,1/16W,J,0603,50V,8P4R)	412-MC7K-1899	1	
RL578,RL579,RL580,RL581,RL582,RL583,RL584,RL585,RL586,RL587,RL588,RL589,RL590,RL592A,RL592B,RL593A,RL593B,RL598A,RL598B,RL599A,RL599B,	CHIP RESISTOR(200 OHM,1/10W,J,TP 0603,50V)	412-MH2-1138	21	
C512,C513,C514,C515,C516,	CHIP CAPACITOR(15pF/50V,J,0603 TAP,NPO)	413-007USB-781	5	

# MIX P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
C600,C601,C602,C603,	CHIP CAPACITOR(10uF/10V,Z,1206 TAP,Y5V)	413-007USB-796	4	
C517,C518,C519,C520,C521,C522,C523,C524,C527,C528,C529,C530,C531,C532,C536,C537,C538,C539,C540,C541,C542,C543,C544,C545,C546,C547,C548,C549,C550,C551,C552,C553,C561,C562,C563,C564,C565,C566,C567,C568,C569,C570,C571,C572,C573,C574,C575,C576,C577,C578,C579,C580,C581,C582,C583,C584,C585,C586,C587,C588,C589,C590,C591,C592,	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)	413-007USB-797	64	
C612,C613,C625,C626,	CHIP CAPACITOR(56pF/50V,J,0603 TAP,NPO)	413-900-929	4	
C616,C617,C618,C619,C620,C621,C622,C623,	CHIP CAPACITOR(1000pF/50V,J,0603 TYPE,NPO)	413-COMBO-1256	8	
CL505,CL503,CL504,	CHIP CAPACITOR(68pF/50V,J,0603 TAP,NPO)	413-DCM280-766	3	
C611,C614,C615,C624,C503,C504,C506,C507,C509,C510,C511,C525,C526,C533,C534,C535,C556,C595,C596,CL502,CL507,CL508,CL509,CL510,	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)	413-DCM280-773	24	
C627,C628,	CHIP CAPACITANCE(560pF/50V,J,NPO,0603 TAP)	413-TU3-1104	2	
ZD501,	ZENER DIODE(TFZVTR3.9B,500mW,TUMD2)	414-45X-391	1	
D501,D502,D503,D504,D505,D506,D507,D508,D509,D510,D511,D512,D513,D514,D515,D516,D517,D518,D519,D520,D521,D522,D523,	SWITCHING DIODE(ISS355VM 1.7*1.25MM)	414-CD1000-075A	23	
Q501,Q503,Q505,Q507,Q509,Q511,Q513,Q515,Q517,Q519,Q521,Q522,Q523,Q524,Q525,Q526,Q527,Q528,	TRANSISTOR(TR DTC124EKAT146 SMT3)	416-CDN88-044	18	
Q502,Q504,Q506,Q508,Q510,Q512,Q514,Q516,Q518,Q520,	TRANSISTOR(2SA1797T100Q,MPT3)	416-EN2000-164	10	
IC511,	IC(BA033FP-E2,TO-252-4)	417-CTB200-500	1	
IC510,	IC(SN74LVC1G17DCKR)	417-DDJLE-1078	1	
IC502,	IC(PT6961,SOP32)	417-DJM101-962	1	
IC506,IC507,IC508,IC509,	IC(74HC4051D/74HC4051DT,SMD)	417-MP3-429	4	
IC503,IC504,IC505,	IC(SN74HC595DR,16P,SOIC-D)	417-SPL-1137	3	
SW501,SW502,SW503,SW504,SW505,SW506,SW507,SW508,SW509,SW510,SW511,SW512,SW513,SW514,SW515,SW516,SW517,SW518,	TACT SW(H=4.3,160G,SKRGABD010)	403-DDJLE-419	18	
DL571,DL572,DL573,DL574,DL575,DL576,DL577,DL578,DL579,DL580,DL581,DL582,DL585A,DL585B,DL586A,DL586B,DL587A,DL587B,DL590A,DL590B,	LED(AMBER, § 3,TAPING)	410-6K2-436	20	
DL588A,DL588B,DL589A,DL589B,	LED(BLUE,LTL1CHTBK4-002, § 3,TAPING)	410-CDI600-357A	4	

*MIX P.C.B Ass'y Part List*

[illegible]

# IO-Main P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	IO-MAIN PCB ASS'Y	704-MC7K-B186	1	
	HEXAGN PILLAR(M3*P0.5,L=9)	200-4001-501	4	
JK502,	JACK GROUND PLATE(0.25t)	300-300-1171A	1	
	FIXED PLATE	300-4500-2010A	2	
UJK901,	GROUND PLATE	300-S1-2069	1	
SW101,SW201,SW601,	SLIDE SW(L=9,SSSF122NB1)	403-COMBO-427	3	
SW001,	POWER SWICH(PSK 1-2B-0)	403-VP9812-162	1	
CN301A,	5P SOCKE(CKM2001WV-5P,P=2mm,RED,180°)	404-HC1421FR-426A	1	
W6001,	4P 2.5 CONNECTOR WIRE(L=230mm,+/-,2547#28)	404-MC7K-3983	1	
W001,	4P 2.5 CONNECTOR WIRE(L=340mm,+/-,2468#26)	404-MC7K-3984	1	
W501,	5P 2.0 CONNECTOR WIRE(L=70mm,AV-B,1007#26)	404-MC7K-3985	1	
W104A1,	8P 2.0 CONNECTOR WIRE(L=200mm,1007#26,1533#28*1C)	404-MC7K-3986	1	
W104A2,	8P 2.0 CONNECTOR WIRE(L=130mm,1007#26,1533#28*1C)	404-MC7K-3987	1	
W301B,	5P 2.0 USB CONNECTOR WIRE(L=130mm,+/-,2725#28*1P+#24*2C)	404-MC7K-3988	1	
W5001,	6P 2.0 CONNECTOR WIRE(L=130mm,2547#28*2C)	404-MC7K-3990	1	
W03,	3P 2.5 CONNECTOR WIRE(AWM1007,AWG26,RED HOUSING,L=250MM,+/-)	404-MC7K-4016	1	
W106A,	4P 2.5 CONNECTOR WIRE(AWM1533 AWG28,L=170MM,+/-)	404-MC7K-4017	1	
W02,	3P 2.5 CONNECTOR WIRE(AWM1007,AWG26,L=250MM,+/-)	404-MC7K-4048	1	
W1A TO W1B,	1P LEAD WIRE(L=270mm,AWM1007 AWG22,BROWN)	406-BJ2300E-450	1	
W2A TO W2B,	1P LEAD WIRE(AWM1007,AWG22,260mm+5mm/-0mm,BLACK)	406-MC7K-1360	1	
W3A TO W3B,	LEAD WIRE(L=220m/m YELLOW)	406-SL24F-114	1	
R737,R738,R741,R742,	FUSE.RES(68 OHM,1/4W J RADIAL TAPING)	412-SX1800-895	4	
C089,C135,C139,C235,C239,C327,C333,C429,C433,C537,C541,	CAPACITOR(0.1uF,M,TAPNING,X7R)	413-900-835	11	
C138,C237,	E/C(47uF/16V,M,105°C,TAPING,5*7,SS)	413-CDVD2001-265	2	
C7055,C7057,	ELEC. CAPACITOR(10uF/16V,M,105°C,TAPING 4*7)	413-DV300-5155	2	
C009,	ELEC. CAPACITOR(2.2uF/50V,M,105°C,TAPING 4*7,MINI)	413-DV300-5156	1	
C021,	ELEC. CAPACITOR(1000uF/16V,M, 105°C,BULK 10*17)	413-F202-001	1	
C027,C061,C065,C7051,C7053,	ELEC. CAPACITOR(100uF/10V,M,105°C,TAPING 5*7,MINI)	413-HMA2200-5017	5	
C519,C520,	ELEC. CAPACITOR(3.3uF/50V,M,105°C,TAPING 4*7,MINI)	413-HPR1-821	2	
C725,C726,	ELEC. CAPACITOR(470uF/10V,M,TAPING 8*11)	413-HT8015-169	2	
C024,	ELEC. CAPACITOR(220uF/10V,M,105°C,TAPING 6.3*7,MINI)	413-HT801K-192	1	
C079,	ELEC. CAPACITOR(1uF/50V,M,TAPING 4*7,MINI-NP)	413-HV3428K-340	1	
C735,C733,C732,	ELEC. CAPACITOR(100uF/16V,M,105°C,TAPING 6.3*7,MINI)	413-MC7K-1462	3	
C641,C644,C675,C676,C677,C678,C722,C721,C723,C724,C642,C643,	ELEC. CAPACITOR(100uF/25V,M,105°C,TAPING 8*7,MINI)	413-MC7K-1463	12	
C503,C504,	ELEC. CAPACITOR(22uF/16V,M,105°C,TAPING 4*7,MINI)	413-SPPW3-236	2	
D012,	SWITCHING DIODE(1SS133,DO-34,T-26mm)	414-3113-005V	1	
L016,L019,L022,L009,L011,L012,L014,L017,L020,L023,	BEAD(RH03506BT-B-N,TAPING RT)	415-DCM370E3-134	10	
L10E,L11E,	BEAD CORE(K5B RH 3.5*7.5*0.8-T52-01,80Ω/100MHZ)	415-HV3500K-090V	2	
L12E,L13E,	INDUCTOR(100uH)	415-MC7K-480	2	
IC001,IC002,	IC(BD9702T,TO220FP-5)	417-MC6000-1010	2	

# IO-Main P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
JK001,	DC POWER JACK( $\phi$ 2.5,DJ-0702B-025)	420-CDMIX1-078	1	
UJK902,	USB-A JACK(USB-A(F) DIP)	420-D1PRO-262	1	
JK101,JK201,JK601,	2P RCA JACK(RCA-213)	420-MX1000-172A	3	
JK301,	4P RCA JACK(RCA-413)	420-QMX1-094	1	
UJK901,	USB JACK(319BF0A0LBN,B/F 90)	420-S1-377	1	
JK502,	MIC JACK (6.4,JY-6313-02-340)	420-SMX211-137	1	
JK602,JK603,JK604,JK605,	B/O JACK(SP-08)	420-T2D-183	4	
IC002,IC001,	HEAT SINK(AL-6063-T5)	425-7K-143A	2	
	THERMAL CONDUCTIVE SILICONE RUBBER(L37-3,15mm*30mm*3t)	501-4001-1953	1	
	ISOLATION SLICE(PC 0.3t)	501-7K-2756	1	
	WIRE MOUNT(FW2-3M)	504-ST100-118	2	
	NUT(M3*P0.5, Cd,Pb,Hg)	601-A100-004	2	
	SCREW(3*5 P=0.5)	602-B300-041	4	
	SCREW(M3*10)	602-DJ1900-148	2	
	PLASTIC SCREW(S-306-N66)	602-SPANDMK2-536	4	
	SPONGE	612-DJFA-373	4	
	SPONGE	612-MC7K-558	1	
	SPONGE	612-USOLOFX-371	3	
CN103A,	14P 1.0 FFC SOCKET(1.0D-14PBS)	404-3000-3620	1	
CN101A1,CN101A2,	36P 1.0 FFC SOCKET(1.0D-36PBS,SMD90°)	404-COMBO-3724	2	
CN105A,	20P 1.0 FFC CONNECTOR(1.0D-20PLB,SMD180°)	404-D02-3992	1	
CN102A1,CN102A2,	26P 1.0 FFC SOCKET(1.0D-26PLB,SMD180°)	404-MC7K-3965	2	
R028,	CHIP RESISTOR(200K,1/10W,J,0603,50V)	412-007USB-1401	1	
R721,R722,R747,R748,R751,R752,	CHIP RESISTOR(1.2K OHM,1/10W,0603,J,TP,50V)	412-007USB-671	6	
R644,R645,R684,R685,	CHIP RESISTOR(30KOHM,1/10W,J,TP 0603,50V)	412-007USB-672	4	
R911,R507,R515,	CHIP RESISTOR(5.1K OHM,1/10W,0603,J,TP,50V)	412-007USB-673	3	
R632,R131,R132,R231,R232,R633,R638,R639,R642,R643,R658,R659,R660,R661,R682,R683,R694,R695,R696,R697,R723,R725,	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)	412-007USB-677	22	
R018,	CHIP RESISTOR(220K OHM,1/10W,0603,J,TP,50V)	412-007USB-678	1	
R646,R647,R650,R651,R686,R688,R690,R691,	CHIP RESISTOR(15K OHM,1/10W,0603,J,TP,50V)	412-007USB-687	8	
R7109,	CHIP RESISTOR(1.8K OHM,1/10W,0603,J,TP,50V)	412-007USB-692	1	
R727,R730,R731,R734,	CHIP RESISTOR(2.2K OHM,1/10W,0603,J,TP,50V)	412-007USB-693	4	
R902,	CHIP RESISTOR(1 OHM,1/10W,0603,J, TP,50V)	412-007USB-695	1	
R32A,R33A,R34A,R39,R63,R64,R127,R128,R129,R227,R228,R229,R325,R326,R327,R425,R426,R427,R529,R530,R531,R601,R602,R603,R604,R605,R803,R804,R828,R829,R841,R851,R852,R853,R854,R855,R856,R863,R864,R865,R866,R867,R868,R875,R876,R877,R878,R879,R880,R887,R888,R889,R890,R891,R897,R898,R899,R918,R920,	CHIP RESISTOR(47 OHM,1/10W,J,0603,50V)	412-007USB-697	59	

# IO-Main P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
R105,R106,R205,R206,	CHIP RESISTOR(270 OHM,1/10W,0603,J,TP,50V)	412-007USB-698	4	
R117,R118,R119,R120,R121,R122,R123,R124,R217,R218,R219,R220,R221,R222,R223,R224,R315,R316,R317,R318,R319,R320,R321,R322,R415,R416,R417,R418,R419,R420,R421,R422,R519,R520,R521,R522,R523,R524,R525,R526,	CHIP RESISTOR(3.3K,1/10W,J,0603,50V)	412-007USB-699	40	
R757,R758,	CHIP RESISTOR(12K OHM,1/10W,0603,J,TP ,50V)	412-007USB-702	2	
R027,R711,R712,R717,R718,	CHIP RESISTOR(18K OHM,1/10W,0603,J,TP,50V)	412-007USB-703	5	
R026,R109,R110,R209,R210,R628,R629,R654,R655,R656,R657,R702,R703,R704,R705,	CHIP RESISTOR(22K OHM,1/10W,0603,J,TP,50V)	412-007USB-704	15	
R913,	CHIP RESISTOR470K OHM,1/10W,0603,J,TP,50V)	412-007USB-707	1	
R01E,R01A,R14A,R15A,R16A,R17A,R18A,R27A,R28A,R29A,R30A,R31A,R38,R40,R41,R47,R48,R49,R65,R66,R72,R73,R74,R85,R98,R99,R929,	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)	412-007USB-782	27	
R019,R021,	CHIP RESISTOR(1.5K,1/10W,F,TP 0603,50V)	412-100MK2-1681	2	
RB21,RB22,RB23,RB24,RB25,RB26,RB27,RB28,RB29,RB30,RB31,RB32,	CHIP RESISTOR NETWORK(56 OHM,1/10W,J,TP 0603)	412-500C-1519	12	
R505,R506,R513,R514,	CHIP RESISTOR(100K OHM,1/10W,D,TP 0603,50V)	412-500C-1555	4	
R724,R726,	CHIP RESISTOR(13KOHM,D,TP 0603)	412-6K2-1666	2	
R011,R622,R623,R624,R625,R678,R679,R706,	CHIP RESISTOR(2KOHM,1/10W,J,TP 0603,50V)	412-900-1006	8	
R634,R635,	CHIP RESISTOR(820OHM,1/10W,J,TP 0603,50V)	412-900-1010	2	
R004,	CHIP RESISTOR(11KOHM,1/10W,J,TP 0603,50V)	412-900-1012	1	
R35A,R36A,R37A,R848,R857,R858,R860,R861,R862,R869,R870,R871,R872,R873,R874,R881,R882,R883,R884,R885,R886,R892,R893,R894,R895,R896,R859,R636,R637,	CHIP RESISTOR(180OHM,1/10W,F,TP 0603,50V)	412-900-1014	29	
R134,R135,R136,R137,R234,R235,R236,R237,R328,R329,R330,R331,R428,R429,R430,R431,R532,R533,R534,R535,	CHIP RESISTOR(680 OHM,1/10W,J,TP ,50V)	412-900-1060	20	
R107,R108,R207,R208,	CHIP RESISTOR(270KOHM,1/10W,F,TP 0603,50V)	412-900-974	4	
R662,R663,R664,R665,R698,R699,R700,R701,	CHIP RESISTOR(300OHM,1/10W,F,TP 0603,50V)	412-900-975	8	
R130,R230,	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V)	412-900-977	2	
R305,R306,R307,R308,R405,R406,R407,R408,R626,R627,	CHIP RESISTOR(13KOHM,1/10W,F,TP 0603,50V)	412-900-981	10	



# IO-Main P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
R030,	CHIP RESISTOR(20.5KOHM,1/10W,F,TP 0603,50V)	412-900-982	1	
R508,R516,	CHIP RESISTOR(62KOHM,1/10W,F,TP 0603,50V)	412-900-986	2	
R614,R615,R620,R621,R670,R671,R676,R677,	CHIP RESISTOR(8.2K,1/10W,F,TP 0603,50V)	412-900-987	8	
R640,R641,R680,R681,	CHIP RESISTOR(24KOHM,1/10W,F,TP 0603,50V)	412-900-992	4	
R005,	CHIP RESISTOR(3KOHM,1/10W,F,TP 0603,50V)	412-900-994	1	
R842,R138,R139,R238,R239,R332,R333,R432,R433,	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)	412-CD900-795	9	
R010,R812,	CHIP RESISTOR(220 OHM,1/10W,J,0603,50V)	412-CDVD2001-521	2	
R7110,R008,R810,R811,R839,R7006,R7007,	CHIP RESISTOR(4.7K OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-523	7	
R02E,R14,R15,R16,R17,R22,R23,R24,R33,R843,R849,R850,R101,R102,R125,R201,R202,R225,R301,R302,R323,R401,R402,R423,R527,R608,R813,R814,R815,R816,R817,R924,R925,R7002,R7003,R7004,R7015,R7016,R7017,R7018,R7019,R7020,R7021,R7022,R7023,R7024,R7025,R7026,R7027,R7028,R7091,R7092,R7001,	CHIP RESISTOR(100 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-530	53	
R103,R104,R203,R204,R303,R304,R403,R404,R743,R744,R914,	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP ,50V)	412-CDVD2001-532	11	
R926,R76,R007,R501,R502,R509,R510,R609,R801,R808,R820,R821,R823,R826,R830,R835,R836,R837,R838,R846,R910,R915,R927,R928,R7012,	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-534	25	
R009,R133,R233,R517,R518,R630,R631,R648,R649,R687,R689,R7108,	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP,50V)	412-CDVD2001-537	12	
R006,R719,R720,	CHIP RESISTOR(1K OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-540	3	
R901,R7013,	CHIP RESISTOR(1M OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-546	2	
R503,R504,R511,R512,	CHIP RESISTOR( 1KOHM 1/10W SMD0603 F TP )	412-CDVD2001-548	4	
R029,	CHIP RESISTOR(560 OHM,1/10W,0603,J,TP ,50V)	412-CDVD2001-549	1	
J01E,J02E,R013,R015,R035,R113,R114,R213,R214,R311,R312,R411,R412,R652,R653,R692,R693,R728,R729,R732,R733,R753,R754,R755,R756,R903,R904,R906,R907,R7005,R7008,R7009,	CHIP RESISTOR(0 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-552	32	
R126,R226,R324,R424,R528,R607,R7099,R7100,R7101,R7102,R42,R50,R67,R7010,R7011,R7014,	CHIP RESISTOR(22 OHM,1/10W,0603,F,TP,50V)	412-CDVD2001-554	16	

# IO-Main P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
RB5,RB6,RB7,RB8,RB9,RB10,RB11,RB12,RB13,RB14,RB15,RB16,RB17,RB18,RB19,RB20,	CHIP RESISTOR NETWORK(33 OHM,1/10W,J,TP,8P4R 0603,50V)	412-COMBO-1568	16	
L7003,	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)	412-DJ3000-414	1	
R707,R708,R709,R710,	CHIP RESISTOR(7.5K OHM,1/10W,J,TP 0603,50V)	412-G9900-1196	4	
R031,R713,R714,R715,R716,	CHIP RESISTOR(10K OHM,1/10W,F,TP 0603,50V)	412-I1-1250	5	
R917,R7033,R7034,R7035,R7036,R7050,R7037,R7064,R7093,R7096,R7103,R7104,R7105,R7106,R7107,	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)	412-I1-1252	15	
R01,R02,R03,R04,R05,R06,R08,R09,	CHIP RESISTOR(82 OHM,1/10W,J,TP 0603,50V)	412-ID-1297	8	
R003,	CHIP RESISTOR(2KOHM,1/10W,0603 F,TAPING)	412-MC6000-1470	1	
R536,R537,	CHIP RESISTOR(160OHM,1/10W,J,TP 0603,50V)	412-MC7K-1800	2	
RB1,RB2,RB3,RB4,	CHIP RESISTOR(100 OHM,8P4R,1/16W,J,TP 0603,50V)	412-MC7K-1902	4	
R033,	CHIP RESISTOR(124K OHM,1/10W,F,TP 0603,50V)	412-MC7K-1912	1	
R7094,R7095,R7097,R7098,	CHIP RESISTOR(200 OHM,1/10W,J,TP 0603,50V)	412-MH2-1138	4	
R610,R611,R612,R613,R666,R667,R668,R669,	SMD Resistor(RES SMD 0603,,4k7,1%,RESC1608X55N)	412-SPL-1630	8	
R034,	SMD Resistor(RES SMD 0603,,22K1,1%,RESC1608X55N)	412-SPL-1634	1	
R020,R022,	SMD Resistor(RES SMD 0603,,6k04,1%,RESC1608X55N)	412-SPL-1639	2	
R002,	SMD Resistor(RES SMD 0603 , 8K2, 1%)	412-SPL2-1654	1	
R616,R617,R618,R619,R672,R673,R674,R675,	CHIP RESISTOR(13KOHM,1/10W,F,TP 0603,50V)	412-SR-1657	8	
R916,	CHIP RESISTOR(680 OHM,0603 F,TP,1/10W )	412-X10-1454	1	
L7002,	CHIP RESISTOR(150OHM,1206,J,1/4,TAPING)	412-XP40IW-1388	1	
C7037,C71E,	CHIP CAPACITOR(4.7uF/16V,Z,1206 TAP,Y5V)	413-007USB-777	2	
C01E,C831,C832,C833,	CHIP CAPACITOR(15pF/50V,J,0603 TAP,NPO)	413-007USB-781	4	
C505,C508,C516,C517,	CHIP CAPACITOR(30pF/50V,J,0603 TAP,NPO)	413-007USB-783	4	
C051,C511,C518,C639,C640,C673,C674,C709,C714,	CHIP CAPACITOR(47pF/50V,J,0603 TAP,NPO)	413-007USB-784	9	
C630,C631,C645,C646,C647,C648,C679,C680,C681,C682,C704,C711,	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)	413-007USB-786	12	
C27E,C28E,C82E,C85E,C107,C108,C121,C122,C125,C126,C207,C208,C221,C222,C225,C226,C315,C316,C319,C320,C415,C416,C419,C420,C501,C502,C512,C513,C523,C524,C529,C530,	CHIP CAPACITOR(220pF/50V,J,0603 TAP,NPO)	413-007USB-787	32	
C050,	CHIP CAPACITOR(4700pF/50V,K,0603 TAPING,X7R)	413-007USB-789	1	
C89E,C90E,C843,C844,C17,C829,C835,C837,C839,C841,C842,	CHIP CAPACITOR(10uF/10V,Z,1206 TAP,Y5V)	413-007USB-796	11	

# IO-Main P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
C7028,C7029,C7030,C7031,C7033,C7034,C7035,C7036,	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)	413-007USB-797	8	
C929,C037,C918,C922,	CHIP CAPACITOR(1uF/25V,Z,0805 TAP,Y5V)	413-100U-695	4	
C612,C613,C655,C656,C689,C690,	CHIP CAPACITOR(820pF/50V,J,0603 TAP,NPO)	413-40MIDI-1142	6	
C19,C013,C015,C033,C035,C069,C084,C091,C136,C140,C236,C240,C328,C334,C430,C434,C538,C542,C602,C603,C605,C607,C801,C802,C920,C930,C932,C7005,	CHIP ELEC.CAPACITOR100uF/10V,M,TAPING,6.3*5.4)	413-45X-1241	28	
C029,C031,C055,C057,C058,C062,C071,C072,C826,C906,C909,C913,C916,C917,C923,	CHIP ELEC.CAPACITOR(10uF/16V,M,TAPING,4*5.4)	413-45X-1242	15	
C131,C132,C135E,C231,C232,C329,C330,C425,C426,C533,C534,	CHIP CAPACITOR(100uF/6.3V,M,TAPING X5R)	413-50DU-1404	11	
C708,C713,	CHIP CAPACITOR(330pF/50V,J,0603 TAP,NPO)	413-900-925	2	
C626,C627,	CHIP CAPACITOR(33pF/50V,J,0603 TAP,NPO)	413-900-926	2	
C64E,C65E,C305,C306,C405,C406,	CHIP CAPACITOR(56pF/50V,J,0603 TAP,NPO)	413-900-929	6	
C663,C665,C692,C695,C698,C700,C715,C716,C717,C718,C719,C720,C614,C618,C621,C623,C657,C661,	CHIP CAPACITOR(150pF/50V,J,0603 TAP,NPO)	413-900-931	18	
C080,	CHIP CAPACITOR(8200pF/50V,K,0603 TAP,X7R)	413-989REC-1219	1	
C131E,C129,C130,C229,C230,C323,C324,C423,C424,C531,C532,	CHIP CAPACITOR(1000pF/50V,J,0603 TYPE,NPO)	413-COMBO-1256	11	
C615,C619,C620,C622,C658,C662,C664,C666,C635,C636,C669,C670,	CHIP CAPACITOR(22pF/50V,J,0603 TAP,NPO)	413-CR701-5161	12	
C7015,C7016,	CHIP CAPACITOR(20pF/50V,J,0603 TAP,NPO)	413-DCM280-764	2	
C902,C903,	CHIP CAPACITOR(27pF/50V,J,0603 TAP,NPO)	413-DCM280-765	2	
C51E,C52E,C53E,C54E,C55E,C56E,C57E,C58E,C59E,C60E,C83E,C110E,C111E,C112E,C113E,C114E,C115E,C116E,C117E,C101,C102,C103,C104,C201,C202,C203,C204,C301,C302,C303,C304,C401,C402,C403,C404,	CHIP CAPACITOR(100pF/50V,J,0603 TAP,NPO)	413-DCM280-767	35	
C705,C712,	CHIP CAPACITOR(1500pF/50V,K,0603 TAP,X7R)	413-DCM280-769	2	

# IO-Main P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
C13,C14,C15,C16,C18,C006,C20,C007,C011,C002,C003,C012,C02E,C03E,C04E,C05E,C06E,C07E,C08E,C10E,C11E,C12E,C13E,C14E,C16E,C17E,C18E,C19E,C20E,C21E,C22E,C23E,C24E,C25E,C26E,C29E,C30E,C31E,C32E,C33E,C34E,C35E,C36E,C37E,C38E,C39E,C40E,C41E,C42E,C43E,C44E,C45E,C46E,C47E,C048,C048E,C49E,C50E,C61E,C62E,C63E,C66E,C67E,C68E,C69E,C70E,C72E,C73E,C74E,C75E,C76E,C77E,C79E,C80E,C081,C86E,C91E,C92E,C93E,C94E,C95E,C96E,C97E,C98E,C99E,C100E,C101E,C102E,C103E,C104E,C105E,C106E,C108E,C109E,C119E,C120E,C121E,C122E,C123E,C124E,C125E,C126E,C128E,C132E,C604,C914,C925,C7014,C038,C01,C02,C03,C04,C05,C06,C07,C08,C09,C10,C11,C12,C014,C017,C019,C022,C025,C026,C028,C030,C032,C034,C041,C042,C045,C053,C054,C056,C059,C060,C063,C064,C066,C068,C070,C073,C074,C076,C083,C085,C090,C119,C120,C134,C137,C219,C220,C234,C238,C313,C314,C326,C331,C413,C414,C428,C431,C506,C507,C521,C522,C536,C539,C545,C546,C547,C601,C606,C706,C707,C803,C804,C805,C806,C807,C808,C809,C810,C811,C812,C813,C814,C815,C816,C817,C818,C819,C820,C821,C822,C823,C824,C825,C827,C828,C830,C834,C836,C838,C840,C846,C901,C904,C905,C908	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)	413-DCM280-773	245	
C039,	CHIP CAPACITOR(0.022uF/50V,K,0603 TAP,X7R)	413-DCM280-794	1	
C81E,C096,C107E,C118E,C127E,C129E,C130E,C142,C242,C336,C436,C551,C078,C113,C114,C123,C124,C127,C128,C213,C214,C223,C224,C227,C228,C307,C308,C317,C318,C321,C322,C407,C408,C417,C418,C421,C422,C509,C510,C525,C526,C527,C528,C616,C617,C624,C625,C633,C634,C659,C660,C667,C668,C693,C694,	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO)	413-DCM280-889	55	
C047,	CHIP CAPACITOR(0.015uF/50V,M,0603 TAP,Y5V)	413-M207-1090	1	
C09E,C15E,	CHIP CAPACITOR(10uF/25V,1206 TAP,Y5V,Z)	413-MC6000-1180	2	
C036,C044,C046,C049,C087,	CHIP ELEC.CAPACITOR(10uF/35V,CF,M,TAPING 5*5)	413-MC7K-1411	5	
C040,	CHIP ELEC.CAPACITOR(47uF/35V,CF,M,TAPING,6.3*5)	413-MC7K-1412	1	
C043,C052,	CHIP ELEC.CAPACITOR(100uF/25V,CF,M,TAPING,6.3*5)	413-MC7K-1413	2	
C008,C010,C082,	CHIP ELEC.CAPACITOR(220uF/16V,CF,M,TAPING,6.3*7)	413-MC7K-1414	3	
C703,C710,	CHIP CAPACITOR(1200pF/50V,K,0603 TAPING,X7R)	413-ME2-1049	2	

# IO-Main P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
C84E,C87E,C88E,C7006,C7007,C7008,C7009,C7017,C7018,C7019,C7020,C7021,C7022,C7023,C7025,C7026,C7027,C7063,C7064,	CHIP CAPACITANCE(560pF/50V,J,NPO,0603 TAP)	413-TU3-1104	19	
D001,D002,D003,D004,D005,D007,D009,D010,D011,D501,D502,D503,D504,D505,D506,D507,D508,D601,D602,D603,D604,D605,D606,D607,D608,D902,D903,	SWITCHING DIODE(ISS355VM 1.7*1.25MM)	414-CD1000-075A	27	
D01E,D02E,	ESD DIODE(RSB6.8S 150mW.6.8V EMD2 ROHM)	414-DJ1100G-207	2	
ZD001,ZD002,ZD003,ZD004,	CHIP DIODE(RB050LA-40TR,40V,3A,PMDT)	414-MC6000-307	4	
D006,D008,D7001,D8001,	SCHOTTKY BARRIER DIODE(RB160M-60TR,1A,60V,PMDU)	414-MC6000-308	4	
R07,L04E,L05E,L06E,L07E,	CHIP BEAD(FBMA-11-160808-121A10T,120Ω/100MHz)	415-COMBO-418	5	
L09E,	CHIP BEAD(FBMA-11-160808-301A10T,300Ω/100MHz)	415-COMBO-419	1	
L806,L807,L808,L809,L810,L901,L905,L906,L907,	CHIP BEAD(FBMA-11-321611-320T,32Ω/100MHz)	415-EN2000-376	9	
L902,L903,	TDK COMMON MODE FILTERSACM2012-900-2P-T002 / ACM2012E-900-2P-T00)	415-FU800-305	2	
L013,	INDUCTOR(BSF1204RHSU6R8NT,6.8uH,4.9A)	415-MC7K-457	1	
L006,L007,	INDUCTOR(BSF1209RHSU101MT,100uH,2.2A)	415-MC7K-458	2	
L024,	INDUCTOR(3.3uH,14A,BSF1209RHSU3R2NT)	415-MC7K-466	1	
L01E,L02E,L03E,L08E,L801,L803,	CHIP BEAD(FBMA-11-321611-221A30T,220Ω/100MHz)	415-RMP4-456	6	
L015,	INDUCTOR(BSF0704RHSU100MT03,10uH,1.84A)	415-WG2-425	1	
Q102,Q103,Q202,Q203,Q602,Q603,Q604,Q605,Q606,Q607,Q608,Q609,Q610,Q611,Q612,Q613,Q614,Q615,Q616,Q617,Q618,Q619,Q620,Q621,Q622,Q623,	TRANSISTOR(2SD2704KT146,SMT3)	416-3000-378	26	
Q601,Q903,Q904,	TRANSISTOR(TR DTC124EKAT146 SMT3)	416-CDN88-044	3	
Q626,Q630,	TRANSISTOR(TR 2SA1037AKR SMT3)	416-CDN88-045	2	
Q625,Q629,	CHIP TRANSISTOR(2SC2412KT146R)	416-CDN88-051	2	
Q002,	TRANSISTOR(2SC2712-GR,2-3F1A)	416-CTB200-166	1	
Q101,Q201,	TRANSISTOR(DTA124EKA-T146,SMT3)	416-CTB200-178	2	
Q003,Q8001,	TRANSISTOR(DTA114EKAT146)	416-TM4-372	2	
Q901,Q902,	TRANSISTOR(RTR030P02TL,TSMT3)	416-UDJ200-347	2	
Q001,	MOSFET(AP 4435GJ)	416-XP308I-353V	1	
IC602,IC606,IC609,	IC(NJM-8068G-TE2,SOP-8)	417-50CU-1182	3	
IC102,IC103,IC104,IC202,IC203,IC204,IC302,IC303,IC304,IC402,IC403,IC404,IC603,IC604,IC605,IC607,IC608,IC610,	IC(NJM8080G)	417-6K2-1142	18	
IC901,	IC(AU6259-JBL,LQFP-48)	417-80DSP-1098	1	
IC7002,	(SN74HC14DR,SOP)	417-CDN34-274V	1	
IC812,IC813,	IC(EM638165TS-6G,TSOP54,4M*16bit)	417-CDN88-501B	2	

# IO-Main P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
IC003,IC006,IC012,	IC(BA033FP-E2,TO-252-4)	417-CTB200-500	3	
IC816,	IC(SN74LVC1G17DCKR)	417-DDJLE-1078	1	
IC805,	IC(74HC74D SOIC14 FB FREE)	417-DV300-184	1	
IC010,	IC(BD4745G-TR,SMP5)	417-HDJ2000-503	1	
IC802,	IC(BD12KA5FP,TO252-3)	417-IQ2UM-1004	1	
IC801,	IC(DSP56724,LQFP-44)	417-IQ2UM-941	1	
IC814,IC815,	IC(SN74LV573APW,TSSOP-20)	417-IQ2UM-942	2	
IC806,	IC(SN74HC4040DR)	417-IQ2UM-968	1	
IC807,IC808,IC809,IC810,IC811,	IC(CD74HC4050M96,SOIC-16)	417-IQ2UM-970A	5	
IC502,IC503,IC504,IC505,	IC(NJM-2068M-TE2,SOP8)	417-M5-582	4	
IC101,IC201,IC301,IC401,IC501,	IC(PCM1804DBR,SSOP28)	417-MC6000-1006	5	
IC601,	IC(PCM1690DCAR,SSOP-48)	417-MC6000-1007	1	
IC804,	IC(PL611-01-N12MC-R)	417-MC7K-1219	1	
IC004,	IC(TPS61087DRCR)	417-MC7K-1220	1	
IC009,	IC(BA78M05FP-E2,TO252-3)	417-MC7K-1232	1	
IC011,	IC(TPS54527DDAR,DDA-8)	417-MC7K-1278	1	
IC005,	IC(SOP8,TPS54232)	417-PDJ33-1045	1	
IC7003,	IC(74HC4052D/74HC4052DT,SMD)	417-QSPAND-432	1	
F1,	CHIP FUSE(2.5A/63V,1206,SMD)	422-MC6000-110	1	
X901,	CRYSTAL(HCM-49S,12MHz,10.5*3.81)	427-007USB-114	1	
X7001,	CRYSTAL(HCM49 8MHz,F20p+/-30ppm)	427-I1-128	1	
X8001,	CRYSTAL(HCM49S,24MHz,20pF,+/-30ppm,11.5*4.65,SMD)	427-MC7K-160	1	
	IO-MAIN PCB(BARE,FR-4,460*222*1.6t)	405-MC7K-3345A	1	
R735,R736,R739,R740,	CARBON FILM RESISTOR(8.2 OHM,1/4W,J)	412-MC7K-1944	4	
R745,R746,R749,R750,	CARBON FILM RESISTOR(10 OHM,1/4W,J)	412-MC7K-1945	4	
C7065,C7066,C7067,C7068	CERAMIC CAPACITOR(20pF/50V,J,TAPING,NPO)	413-3113-034	4	
C004,	ELEC. CAPACITOR(22uF/25V,M,105°C,TAPING 5*7,MINI)	413-CDMIX2-631	1	
C133,C233,C325,C332,C427,C432,C535,C540,	E/C(47uF/16V,M,105°C,TAPING,5*7,SS)	413-CDVD2001-265	8	
C7047,C7049,	ELEC. CAPACITOR(10uF/16V,M,105°C,TAPING 4*7)	413-DV300-5155	2	
C067,C075,C077,C910,C7002,C7039,C7041,C7043,C7045,C7059,C7061,	ELEC. CAPACITOR(100uF/10V,M,105°C,TAPING 5*7,MINI)	413-HMA2200-5017	11	
C105,C106,C205,C206,	ELEC. CAPACITOR(100uF/16V,M,105°C,TAPING 6.3*7,MINI)	413-HT801K-193	4	
C001,	ELEC.CAP(470UF/16V ,M,10*11TAPING,SD LOWESR)	413-IS303-1071	1	
C110,C112,C211,C212,	POLYESTER CAPACITOR(0.0033uF/100V,J,TAPING)	413-KT300-103V	4	
C023,	ELEC. CAPACITOR(220uF/16V,LOWESR,6.3*11,105°C SG,TAPING)	413-MC6000-1190	1	
C637,C638,C671,C672,C734,	ELEC. CAPACITOR(100uF/16V,M,105°C,TAPING 6.3*7,MINI)	413-MC7K-1462	5	
C701,C702,	E.C.(4.7uF/25V,MINI)	413-SMX701-712	2	

# IO-Main P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
C005,C016,C018,C115,C116,C215,C216,C309,C310,C409,C410,C608,C609,C610,C611,C628,C629,C651,C652,C653,C654,C685,C686,C687,C688,	ELEC. CAPACITOR(10uF/25V,M,105°C,TAPING 4*7,MINI)	413-SPPW3-235	25	
C020,C514,C515,	ELEC. CAPACITOR(22uF/16V,M,105°C,TAPING 4*7,MINI)	413-SPPW3-236	3	
C109,C111,C209,C210,	POLYESTER CAPACITOR(0.012uF/100V J TAPING)	413-XM910-874V	4	
L001,L004,L7001,L005,L008,L018,	BEAD(RH03506BT-B-N,TAPING RT)	415-DCM370E3-134	6	
Q624,Q628,	TRANSISTORS(2SC1815-GR-AP)	416-DJ1900-023	2	
Q627,Q631,	TRANSISTOR(2SA1015-GR T-92 TAPING)	416-KE200X-021	2	
ICZ001,	IC(TL431K-1,TO-92)	417-DJM250-1054	1	
	ADAPTOR PCB ASS'Y	704-MC7K-B190	1	
	ADAPTOR PCB(BARE)	405-MC7K-3349	1	
R13,	CHIP RESISTOR(470 OHM,1/16W,J,TP 0402,50V)	412-50CU-1841	1	
R82,R83,R244,R245,R246,R254,R255,R256,R261,R262,R263,	CHIP RESISTOR(10K OHM,J,1/16W,0402,50V)	412-COMBO-1600	11	
R22,R96,R97,R98,R99,R100,R102,R103,R104,R105,R106,R107,R108,R109,R247,R248,R249,R250,R257,R258,R259,R260,R265,	CHIP RESISTOR(0 OHM,J,1/16W,0402,50V)	412-COMBO-1604	23	
R8,R9,R10,R11,R12,R14,R15,R16,R17,R18,R19,R20,R21,R24,R25,R26,R27,R28,R29,R30,R31,R264,	CHIP RESISTOR(47 OHM,1/16W,J,TP 0402,50V)	412-MC7K-1802	22	
R110,	CHIP RESISTOR(330 OHM,1/16W,J,TP 0402,50V)	412-MC7K-1803	1	
R1,	CHIP RESISTOR(10K OHM,1/16W,F,TP 0402,50V)	412-MC7K-1804	1	
R253,	CHIP RESISTOR(27K OHM,1/16W,J,TP 0402,50V)	412-MC7K-1805	1	
R252,	CHIP RESISTOR(43K OHM,1/16W,J,TP 0402,50V)	412-MC7K-1806	1	
R2,R3,R5,R6,R251,	CHIP RESISTOR(100K OHM,TP 0402,50V)	412-MC7K-1807	5	
C122,C123,C124,C209,	CHIP CAPACITOR(10uF/10V,Z,1206 TAP,Y5V)	413-007USB-796	4	
C22,C23,C24,	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)	413-007USB-797	3	
C20,C21,	CHIP CAPACITOR(22pF/50V,J,0402 TYPE,NPO)	413-50CU-1441	2	
C01E,C4,C5,C6,C7,C8,C9,C10,C98,C99,C100,C101,C102,C103,C104,C105,C106,C119,C120,C121,C207,	CHIP CAPACITOR(0.1uF/16V,K,0402 TYPE,X7R)	413-COMBO-1274	21	
C26,	CHIP CAPACITOR(0.01uF/50V,K,0402 TYPE,X7R)	413-COMBO-1276	1	
C107,C108,C109,C110,C111,C112,C113,C114,C115,C116,C117,C118,	CHIP CAPACITOR(0.47uF/10V,K,0402,TYPE,X5R)	413-MC7K-1350	12	
L2,L3,L4,L12,L13,L14,L15,	CHIP BEAD(FBMA-11-160808-601A10T,600Ω/100MHz)	415-COMBO-421	7	
IC22,	IC(TMS320C5535AZHH10,BGA-144P)	417-MC7K-1221	1	
X1,	CRYSTAL(CM315D,32.768KHZ,12.5PF/+20PPM,3.2*1.5,SMD)	427-MC7K-162	1	
IC26,	USB CONTROL IC ASS'Y	704-MC7K-B194	1	

*IO-Main P.C.B Ass'y Part List*

[illegible]



# TFT Display L P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	TFT DISPLAY L PCB ASS'Y	704-MC7K-B184	1	
	TFT BASE(ABS PA-707,BLACK)	100-7K-3209	1	
EN301,EN302,	ENCODER(L=20)	403-6K2-438	2	
W1A TO W1B,	1P LEAD WIRE(L=66mm,AWM1007,AWG22,RED)	406-MC7K-1363	1	
	VFS TFT DISPLAY(TFT043A-LN05-T,105.5*67.2MM)	410-MC7K-450	1	
R433,	CARBON FILM RESISTOR(10 OHM,1/4W,J,T-52)	412-BJ2300I-468	1	
C329,C330,	ELEC. CAPACITOR(1uF/50V,M,TAPING 4*7,MINI)	413-SPPW3-234	2	
C344,	ELEC. CAPACITOR(10uF/25V,M,105°C,TAPING 4*7,MINI)	413-SPPW3-235	1	
L307,	INDUCTOR(RCH654NP-4R7M,4.7UH)	415-FREE-325	1	
VR301,VR302,VR303,	ROTARY VR(20K(B)*2,RD901F-40-20F-B20K-00DH2)	418-K1000-413	3	
	SPONGE	612-USOLOFX-369	3	
CN303,	40P 0.5 FFC SOCKET(0.5-11-40PLB-A,SMD180°)	404-MC7K-3959	1	
CN302A/B,	6P 1.0 FFC SOCKET(1.0D-6PLB,SMD180°)	404-MC7K-3964	1	
CN102B1/B2,	26P 1.0 FFC SOCKET(1.0D-26PLB,SMD180°)	404-MC7K-3965	1	
CN301A/B,	5P 2.0 SOCKET(SMD90°)	404-MC7K-3966	1	
R429,R430,R431,R432,	CHIP RESISTOR(20 OHM,J,TP 0603,50V)	412-45X-1499	4	
R320,R370,RS232RA,RS232TA,	CHIP RESISTOR(100 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-530	4	
R305,R307,R309,R317,R321,R326,R379,R382,R390,R396,R398,R399,RID2A,RID3A,RID0B,RID1B,	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-534	16	
R412,R413,R414,	CHIP RESISTOR(0 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-552	3	
L302,L306,	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)	412-DJ3000-414	2	
R388,	CHIP RESISTOR(47.5K OHM,1/10W,F,TP 0603,50V)	412-HX500-1924	1	
R434,R435,R415,R416,R417,R418,R419,R420,R421,R422,R423,R424,R425,R426,	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)	412-I1-1252	14	
R389,	CHIP RESISTOR(4.75K OHM,F,1/10W,TP 0603,50V)	412-I1-1260	1	
R428,	CHIP RESISTOR(1.87K OHM,1/10W,F,TP 0603,50V)	412-MC2-1520	1	
R346,R347,R348,R349,R350,R351,R352,R353,R354,R355,R356,R357,R358,R462,	CHIP RESISTOR(47 OHM,1/16W,J,TP 0402,50V)	412-MC7K-1802	14	
R387,	CHIP RESISTOR(5.1 OHM,1/10W,F,TP 0603,50V)	412-MC7K-1820	1	
R302,R303,R330,R331,R332,R333,R334,R335,R336,R337,R338,R339,R340,R341,R342,R343,R344,R345,R380,R381,	CHIP RESISTOR(100 OHM,1/16W,F,TP 0402,50V)	412-MC7K-1892	20	
RB301,RB302,RB303,RB304,RB305,RB306,RB307,RB308,RB309,RB310,RB311,RB312,RB313,RB315,RB316,RB317,RB318,RB319,RB320,RB321,RB322,RB323,RB324,RB325,	CHIP RESISTOR(100 OHM,8P4R,1/16W,J,TP 0603,50V)	412-MC7K-1902	24	
R301,	CHIP RESISTOR(390 OHM,1/16W,J,TP 0402,50V)	412-MC7K-1935	1	

# TFT Display L P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
R407A,R407B,R408,R409,R410,R411A,R411B,R411C,R411D,R400,R401,R402,R403,R404,R405A,R405B,R406A,R406B,	CHIP RESISTOR(200 OHM,1/10W,J,TP 0603,50V)	412-MH2-1138	18	
C373,C374,	CHIP CAPACITOR(220pF/50V,J,0603 TAP,NPO)	413-007USB-787	2	
C316,C321,	CHIP CAPACITOR(10uF/10V,Z,1206 TAP,Y5V)	413-007USB-796	2	
C361,C362,C363,	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)	413-007USB-797	3	
C301,C331,C354,	CHIP ELEC. CAPACITOR100uF/10V,M,TAPING,6.3*5.4)	413-45X-1241	3	
C328,C340,C342,C352,	CHIP ELEC.CAPACITOR(10uF/16V,M,TAPING,4*5.4)	413-45X-1242	4	
C348,C349,C350,C351,	CHIP CAPACITOR(1000pF/50V,J,0603 TYPE,NPO)	413-COMBO-1256	4	
C364,C365,C366,C367,C368,C369,C370,C371,C372,C375,C376,C343,C345,C346,C347,C353,C355,C341,C323,C324,C325,C326,C327,C332,C333,C334,C335,C336,C337,C338,C339,C302,C304,C305,C308,C309,C312,C313,C314,C315,C317,C319,C320,C318,C322,	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)	413-DCM280-773	45	
C306,C307,	CHIP CAPACITOR(12pF,50V,J,0603 TAP,NPO)	413-DCM280-809	2	
C311,C310,	CHIP CAPACITOR(4.7uF/16V,0805,,Z,TAPING,Y5V)	413-PLAY-1176	2	
C303,	CHIP CAPACITOR(2.2uF/16V,Z,1206 TYPE,Y5V)	413-U5000-1005	1	
D304,D305,D306,D307,D309,D310,D311,D312,D313,D308,D301,D302,D303,	SWITCHING DIODE(ISS355VM 1.7*1.25MM)	414-CD1000-075A	13	
ZD301,	CHIP DIODE(RB050LA-40TR,40V,3A,PMDT)	414-MC6000-307	1	
L310,	CHIP BEAD(FBMA-11-160808-121A10T,120Ω/100MHZ)	415-COMBO-418	1	
L301,L313,	CHIP BEAD(FBMA-11-160808-301A10T,300Ω/100MHZ)	415-COMBO-419	2	
L314,L315,L303,L305,L308,	CHIP BEAD(FBMA-11-321611-320T,32Ω/100MHZ)	415-EN2000-376	5	
L311,	TDK COMMON MODE FILTERSACM2012-900-2P-T002 / ACM2012E-900-2P-T00)	415-FU800-305	1	
L312,	CHIP BEAD(FBMA-11-160808-221T,220Ω/100MHZ,0603 TYPE)	415-MC7K-478	1	
IC305,	IC(SN74LVC1G17DCKR)	417-DDJLE-1078	1	
IC304,	ICC(AP3031KTR-G1,TSOT-23-6)	417-MC7K-1215	1	
IC303,	IC(W9825G6KH-6I,TSOP-54)	417-MC7K-1216	1	
IC306,IC307,	IC(SN74HC595DR,16P,SOIC-D)	417-SPL-1137	2	
X301,	CRYSTAL(HCM49S,25MHz,11.5*4.65.SMD)	427-MC7K-161	1	
SW301,SW302,SW303,SW304,SW305,SW306,SW307,SW308,SW309,SW310,SW311,	TACT SW(H=4.3,160G,SKRGABD010)	403-DDJLE-419	11	
	TFT DISPLAY PCB(222*179*1.6T)	405-MC7K-3343	1	
DW6A,DW6B,DW7A,DW7B,DW8A,DW8B,DW11,	LED(AMBER, § 3,TAPING)	410-6K2-436	7	
DW1,DW2,DW3,DW4,DW5,DW9,DW10,DW12A,DW12B,DW12C,DW12D,	LED(BLUE,LTL1CHTBK4-002, § 3,TAPING)	410-CDI600-357A	11	
IC302,	TFT CONTROL IC ASS'Y	704-MC7K-B196	1	
	IC(EN25Q32B-104HIP,SOP8)	417-SDJ1-819B	1	
IC301,	TFT CONTROL IC ASS'Y	704-MC7K-B318	1	
	VFS IC(STM32F429IGT6,LQFP176,ST)	417-MC7K-1217	1	

# TFT Display R P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	TFT DISPLAY R PCB ASS'Y	704-MC7K-B212	1	
	TFT BASE(ABS PA-707,BLACK)	100-7K-3209	1	
EN301,EN302,	ENCODER(L=20)	403-6K2-438	2	
W1A TO W1B,	1P LEAD WIRE(L=66mm,AWM1007,AWG22,RED)	406-MC7K-1363	1	
	VFS TFT DISPLAY(TFT043A-LN05-T,105.5*67.2MM)	410-MC7K-450	1	
R433,	CARBON FILM RESISTOR(10 OHM,1/4W,J,T-52)	412-BJ2300I-468	1	
C329,C330,	ELEC. CAPACITOR(1uF/50V,M,TAPING 4*7,MINI)	413-SPPW3-234	2	
C344,	ELEC. CAPACITOR(10uF/25V,M,105°C,TAPING 4*7,MINI)	413-SPPW3-235	1	
L307,	INDUCTOR(RCH654NP-4R7M,4.7UH)	415-FREE-325	1	
VR301,VR302,VR303,	ROTARY VR(20K(B)*2,RD901F-40-20F-B20K-00DH2)	418-K1000-413	3	
	SPONGE	612-USOLOFX-369	3	
CN303,	40P 0.5 FFC SOCKET(0.5-11-40PLB-A,SMD180°)	404-MC7K-3959	1	
CN302A/B,	6P 1.0 FFC SOCKET(1.0D-6PLB,SMD180°)	404-MC7K-3964	1	
CN102B1/B2,	26P 1.0 FFC SOCKET(1.0D-26PLB,SMD180°)	404-MC7K-3965	1	
CN301A/B,	5P 2.0 SOCKET(SMD90°)	404-MC7K-3966	1	
R429,R430,R431,R432,	CHIP RESISTOR(20 OHM,J,TP 0603,50V)	412-45X-1499	4	
R320,R370,RS232RA,RS232TA,	CHIP RESISTOR(100 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-530	4	
R305,R307,R309,R317,R321,R326,R379,R382,R390,R396,R398,R399,RID0A,RID1A,RID3A,RID2B,	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-534	16	
R412,R413,R414,	CHIP RESISTOR(0 OHM,1/10W,0603,J,TP,50V)	412-CDVD2001-552	3	
L302,L306,	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)	412-DJ3000-414	2	
R388,	CHIP RESISTOR(47.5K OHM,1/10W,F,TP 0603,50V)	412-HX500-1924	1	
R434,R435,R415,R416,R417,R418,R419,R420,R421,R422,R423,R424,R425,R426,	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)	412-I1-1252	14	
R389,	CHIP RESISTOR(4.75K OHM,F,1/10W,TP 0603,50V)	412-I1-1260	1	
R428,	CHIP RESISTOR(1.87K OHM,1/10W,F,TP 0603,50V)	412-MC2-1520	1	
R346,R347,R348,R349,R350,R351,R352,R353,R354,R355,R356,R357,R358,R462,	CHIP RESISTOR(47 OHM,1/16W,J,TP 0402,50V)	412-MC7K-1802	14	
R387,	CHIP RESISTOR(5.1 OHM,1/10W,F,TP 0603,50V)	412-MC7K-1820	1	
R302,R303,R330,R331,R332,R333,R334,R335,R336,R337,R338,R339,R340,R341,R342,R343,R344,R345,R380,R381,	CHIP RESISTOR(100 OHM,1/16W,F,TP 0402,50V)	412-MC7K-1892	20	
RB301,RB302,RB303,RB304,RB305,RB306,RB307,RB308,RB309,RB310,RB311,RB312,RB313,RB315,RB316,RB317,RB318,RB319,RB320,RB321,RB322,RB323,RB324,RB325,	CHIP RESISTOR(100 OHM,8P4R,1/16W,J,TP 0603,50V)	412-MC7K-1902	24	
R301,	CHIP RESISTOR(390 OHM,1/16W,J,TP 0402,50V)	412-MC7K-1935	1	

# TFT Display R P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
R407A,R407B,R408,R409,R410, R411A,R411B,R411C,R411D,R4 00,R401,R402,R403,R404,R405A ,R405B,R406A,R406B,	CHIP RESISTOR(200 OHM,1/10W,J,TP 0603,50V)	412-MH2-1138	18	
C373,C374,	CHIP CAPACITOR(220pF/50V,J,0603 TAP,NPO)	413-007USB-787	2	
C316,C321,	CHIP CAPACITOR(10uF/10V,Z,1206 TAP,Y5V)	413-007USB-796	2	
C361,C362,C363,	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)	413-007USB-797	3	
C301,C331,C354,	CHIP ELEC.CAPACITOR100uF/10V,M,TAPING,6.3*5.4)	413-45X-1241	3	
C328,C340,C342,C352,	CHIP ELEC.CAPACITOR(10uF/16V,M,TAPING,4*5.4)	413-45X-1242	4	
C348,C349,C350,C351,	CHIP CAPACITOR(1000pF/50V,J,0603 TYPE,NPO)	413-COMBO-1256	4	
C364,C365,C366,C367,C368,C36 9,C370,C371,C372,C375,C376,C 302,C304,C305,C308,C309,C312 ,C313,C314,C315,C317,C318,C3 19,C320,C322,C323,C324,C325, C326,C327,C332,C333,C334,C33 5,C336,C337,C338,C339,C341,C 343,C345,C346,C347,C353,C355 ,	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)	413-DCM280-773	45	
C306,C307,	CHIP CAPACITOR(12pF,50V,J,0603 TAP,NPO)	413-DCM280-809	2	
C310,C311,	CHIP CAPACITOR(4.7uF/16V,0805,,Z,TAPING,Y5V)	413-PLAY-1176	2	
C303,	CHIP CAPACITOR(2.2uF/16V,Z,1206 TYPE,Y5V)	413-U5000-1005	1	
D301,D302,D303,D304,D30 5,D306,D307,D308,D309,D3 10,D311,D312,D313,	SWITCHING DIODE(ISS355VM 1.7*1.25MM)	414-CD1000-075A	13	
ZD301,	CHIP DIODE(RB050LA-40TR,40V,3A,PMDT)	414-MC6000-307	1	
L310,	CHIP BEAD(FBMA-11-160808-121A10T,120Ω/100MHz)	415-COMBO-418	1	
L313,L301,	CHIP BEAD(FBMA-11-160808-301A10T,300Ω/100MHz)	415-COMBO-419	2	
L314,L315,L303,L305,L308,	CHIP BEAD(FBMA-11-321611-320T,32Ω/100MHz)	415-EN2000-376	5	
L311,	TDK COMMON MODE FILTERSACM2012-900-2P-T002 / ACM2012E-900-2P-T00)	415-FU800-305	1	
L312,	CHIP BEAD(FBMA-11-160808-221T,220Ω/100MHz,0603 TYPE)	415-MC7K-478	1	
IC305,	IC(SN74LVC1G17DCKR)	417-DDJLE-1078	1	
IC304,	ICC(AP3031KTR-G1,TSOT-23-6)	417-MC7K-1215	1	
IC303,	IC(W9825G6KH-6I,TSOP-54)	417-MC7K-1216	1	
IC306,IC307,	IC(SN74HC595DR,16P,SOIC-D)	417-SPL-1137	2	
X301,	CRYSTAL(HCM49S,25MHz,11.5*4.65.SMD)	427-MC7K-161	1	
SW301,SW302,SW303,SW304,S W305,SW306,SW307,SW308,S W309,SW310,SW311,	TACT SW(H=4.3,160G,SKRGABD010)	403-DDJLE-419	11	
	TFT DISPLAY PCB(222*179*1.6T)	405-MC7K-3343	1	
DW6A,DW6B,DW7A,DW7B,DW8 A,DW8B,DW11,	LED(AMBER, \$ 3,TAPING)	410-6K2-436	7	
DW1,DW2,DW3,DW4,DW5,DW9, DW10,DW12A,DW12B,DW12C,D W12D,	LED(BLUE,LTL1CHTBK4-002, \$ 3,TAPING)	410-CDI600-357A	11	
IC302,	TFT CONTROL IC ASS'Y	704-MC7K-B196	1	
	IC(EN25Q32B-104HIP,SOP8)	417-SDJ1-819B	1	
IC301,	TFT CONTROL IC ASS'Y	704-MC7K-B318	1	
	VFS IC(STM32F429IGT6,LQFP176,ST)	417-MC7K-1217	1	

## Engine P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	ENGINE PCB ASS'Y	704-MC7K-B247	1	
	FIXED PLATE	300-4500-2010A	2	
	FIXED PLATE(SECC,T=0.5MM)	300-7K-2245	2	
W1,	5P 2.0 USB CONNECTOR WIRE(AWM2725AWG28,L=130MM,HI SPEED)	404-MC7K-4013	1	
W2,	5P 2.0 USB CONNECTOR WIRE(L=130mm,RED)	404-MC7K-4014	1	
W4,	5P 2.0 CONNECTOR WIRE(1007#26,L=110MM,BLU housing,AV-B,+/- )	404-MC7K-4015	1	
CN106,	4P SOCKET(CKM2501WR-4P 90°WHITE)	404-QMX2-606A	1	
N7,	AIGNAL JCAK(P-7688CS-B114-2000-D12-BO)	420-D02-428	1	
	SPONGE(15*5*9mm)	612-QD5MIDI-402	1	
	SPONGE	612-USOLOFX-369	2	
CN105B,	20P 1.0 FFC SOCKET(SMD90°)	404-DJM250-3613	1	
	ENGINE PCB(BARE,FR-4,114.7*182*1.0t)	405-MC7K-3399	1	
R52,R53,	CHIP RESISTOR(100 OHM,1/10W,0603,D,TP,50V)	412-500C-1558	2	
R60,R409,R410,R411,R430,	CHIP RESISTOR( 1KOHM 1/10W SMD0603 F TP )	412-CDVD2001-548	5	
R30,R31,R32,R33,R34,	CHIP RESISTOR NETWORK(68 OHM,8P4R,1/10W,J,TP 0603,50V)	412-COMBO-1610	5	
R57,R413,	CHIP RESISTOR(100K OHM,1/10W,F,TP 0603,50V)	412-FREE-1344	2	
R49,R61,R62,R63,R64,R65, R66,R67,	CHIP RESISTOR (0 OHM,1/8W,0805,J,TP 150V)	412-HV3500K-367	8	
R418,	CHIP RESISTOR(47.5K OHM,1/10W,F,TP 0603,50V)	412-HX500-1924	1	
R412,R414,	CHIP RESISTOR(150K OHM,F,TP 0603)	412-MC6000-1443	2	
R44,R45,R106,R107,R111, R112,R113,R114,R115,R11 9,R250,R251,R258,R259,R2 60,R261,	CHIP RESISTOR(10K OHM,1/16W,F,TP 0402,50V)	412-MC7K-1804	16	
R40,R41,R42,R43,	CHIP RESISTOR(47 OHM,8P4R,1/16W,J,TP	412-MC7K-1819	4	
R117,R118,R224,R225,R22 6,R227,R228,R229,R238,R1 04,R105,	CHIP RESISTOR(0 OHM,1/16W,F,TP 0402,50V)	412-MC7K-1886	11	
R1,R2,R3,R4,R5,R6,R7,R8, R9,R10,R11,R12,R13,R14,R 15,R16,R17,R18,R19,R20,R 21,R22,R23,R24,R25,R26,R 27,R28,R29,R84,R85,R86,R 87,R88,R89,R90,R91,R92,R 93,R94,R95,R96,R97,R98,R 102,R46,R123,R206,	CHIP RESISTOR(22 OHM,1/16W,F,TP 0402,50V)	412-MC7K-1887	48	
R108,R109,R110,R242,R24 3,R244,R245,R246,R247,R2 48,R252,R257,R202,R204,	CHIP RESISTOR(47 OHM,1/16W,F,TP 0402,50V)	412-MC7K-1888	14	
R231,R233,R235,R237,	CHIP RESISTOR(56 OHM,1/16W,F,TP 0402,50V)	412-MC7K-1889	4	
R35,R122,	CHIP RESISTOR(68 OHM,1/16W,F,TP 0402,50V)	412-MC7K-1890	2	
R253,R222,R223,	CHIP RESISTOR(82 OHM,1/16W,F,TP 0402,50V)	412-MC7K-1891	3	
R99,R100,	CHIP RESISTOR(100 OHM,1/16W,F,TP 0402,50V)	412-MC7K-1892	2	
R56,	CHIP RESISTOR(649 OHM,1/10W,F,TP 0603,50V)	412-MC7K-1893	1	
R230,R232,R234,R236,	CHIP RESISTOR(470 OHM,1/16W,F,TP 0402,50V)	412-MC7K-1894	4	
R101,R103,R120,R249,	CHIP RESISTOR(1K OHM,1/16W,F,TP 0402,50V)	412-MC7K-1895	4	
R254,	CHIP RESISTOR(1.5K OHM,1/16W,F,TP 0402,50V)	412-MC7K-1896	1	
R175,R176,R177,R178,R17 9,R180,R181,R182,	CHIP RESISTOR(2.2K OHM,1/16W,F,TP 0402,50V)	412-MC7K-1897	8	

## Engine P.C.B Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
R239,	CHIP RESISTOR(3.92K OHM,1/16W,F,TP 0402,50V)	412-MC7K-1900	1	
R240,	CHIP RESISTOR(8.2K OHM,1/16W,F,TP 0402,50V)	412-MC7K-1901	1	
R116,	CHIP RESISTOR(1M OHM,1/16W,F,TP 0402,50V)	412-MC7K-1903	1	
R54,R59,R74,R352,R353,	CHIP RESISTOR(0 OHM,1/10W,F,TP 0603,50V)	412-MC7K-1904	5	
R36,R37,R38,R39,	CHIP RESISTOR(24 OHM,,8P4R,1/16W,J,TP 0603,50V)	412-MC7K-1905	4	
R427,	CHIP RESISTOR(2.21K OHM,1/10W,F,TP 0603,50V)	412-MC7K-1907	1	
R416,	CHIP RESISTOR(2.74K OHM,1/10W,F,TP 0603,50V)	412-MC7K-1908	1	
R415,	CHIP RESISTOR(5.62K OHM,1/10W,F,TP 0603,50V)	412-MC7K-1909	1	
R47,	CHIP RESISTOR(0 OHM,1/4W,F,TP 1206,200V)	412-MC7K-1911	1	
R417,	SMD Resistor(RES SMD 0603,,22K1,1%,RESC1608X55N)	412-SPL-1634	1	
C301,	CHIP CAPACITOR(10pF/50V,J,0603 TAP,NPO)	413-007USB-780	1	
C105,	CHIP CAPACITOR(0.022uF/50V,K,0402 TYPE,X7R)	413-50CU-1391	1	
C101,	CHIP CAPACITOR(100pF/50V,J,0402 TYPE,NPO)	413-50CU-1394	1	
C81,C82,C106,C107,C108,C109,	CHIP CAPACITOR(18pF/50V,J,0402 TYPE,NPO)	413-50CU-1395	6	
C200,C201,	CHIP CAPACITOR(33pF/50V,J,0402 TYPE,NPO)	413-50CU-1434	2	
C120,C121,C122,C123,	CHIP CAPACITOR(100uF/6.3V,M,TAPING X5R)	413-50DU-1404	4	
C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C15,C16,C17,C19,C20,C21,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C33,C34,C35,C36,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C56,C57,C58,C64,C65,C66,C67,C68,C69,C70,C71,C72,C73,C74,C75,C76,C77,C78,C80,C87,C89,C92,C93,C96,C98,C125,C185,C189,C191,C192,C197,C204,C212,	CHIP CAPACITOR(0.1uF/16V,K,0402 TYPE,X7R)	413-COMBO-1274	78	
C37,C38,C100,C110,C113,C115,C116,C117,C118,C148,C194,C295,C302,C317,C319,	CHIP CAPACITOR(0.01uF/50V,K,0402 TYPE,X7R)	413-COMBO-1276	15	
C103,C119,C124,C126,C127,	CHIP CAPACITOR(1uF/10V,M,X5R,0402)	413-COMBO-1278	5	
C79,	CHIP CAPACITOR(47pF/50V,J,0402 TYPE,NPO)	413-MC7K-1418	1	
C102,	CHIP CAPACITOR(470pF/50V,J,0402 TYPE,NPO)	413-MC7K-1419	1	
C11,C12,C61,C62,C88,C90,C91,C94,C95,C97,C128,C211,	CHIP CAPACITOR(1000pF/50V,K,0402 TYPE,X7R)	413-MC7K-1420	12	
C39,	CHIP CAPACITOR(0.22uF/6.3V,K,0402 TYPE,X5R)	413-MC7K-1421	1	
C292,C293,C299,C300,	CHIP CAPACITOR(0.1uF/50V,K,0603 TYPE,X7R)	413-MC7K-1422	4	
C296,C306,	CHIP CAPACITOR(0.47uF/16V,K,0603 TYPE,X7R)	413-MC7K-1423	2	
C99,C104,C111,C112,C114,C297,	CHIP CAPACITOR(4.7uF/10V,K,0603 TYPE,X5R)	413-MC7K-1424	6	
C13,C14,C55,C59,C60,C63,C86,C149,C291,C294,C298,C303,C304,C305,	CHIP CAPACITOR(10uF/6.3V,M,0603 TYPE,X5R)	413-MC7K-1425	14	

## Engine P.C.B Ass'y Part List

[illegible]

*Touch & Phone & Xfader Control & Mic P.C.B Ass'y Part List*

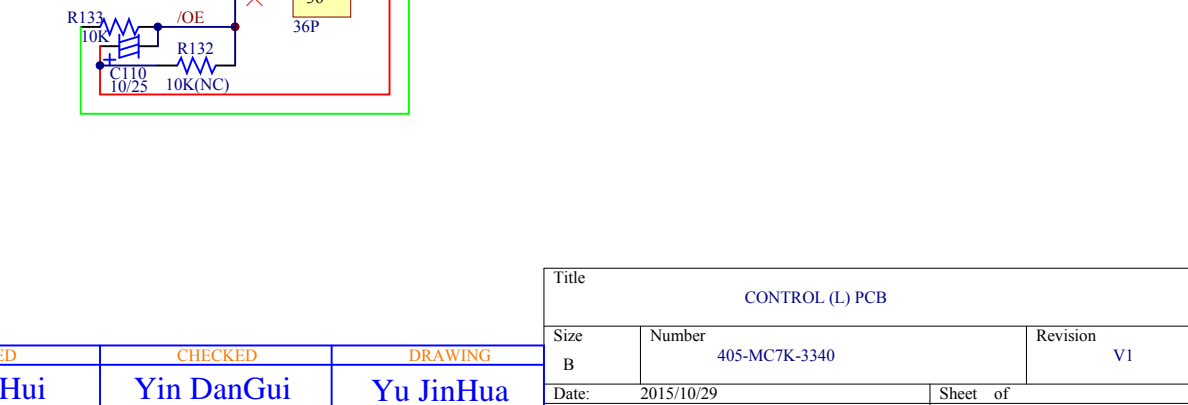
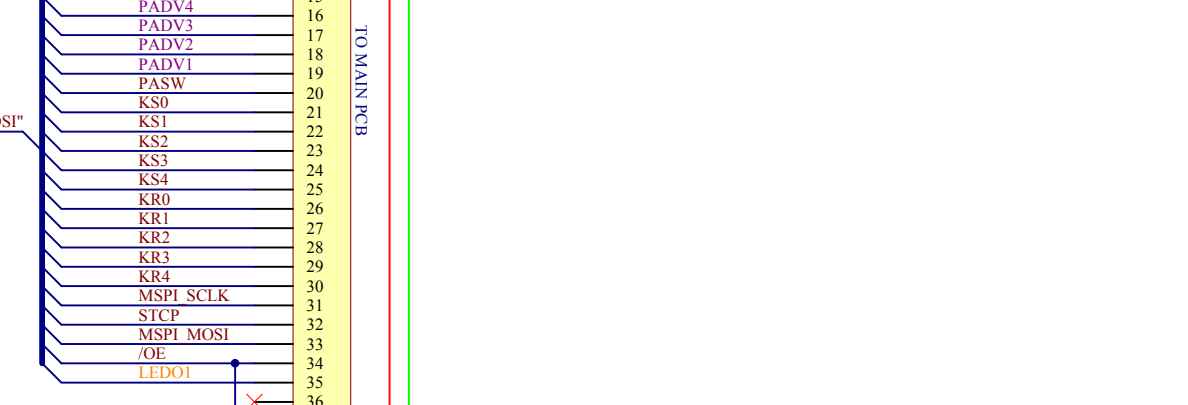
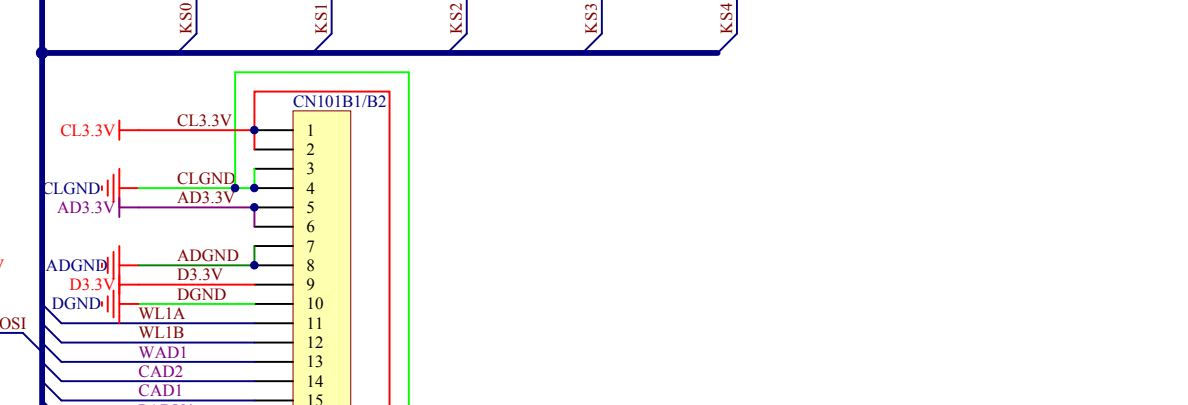
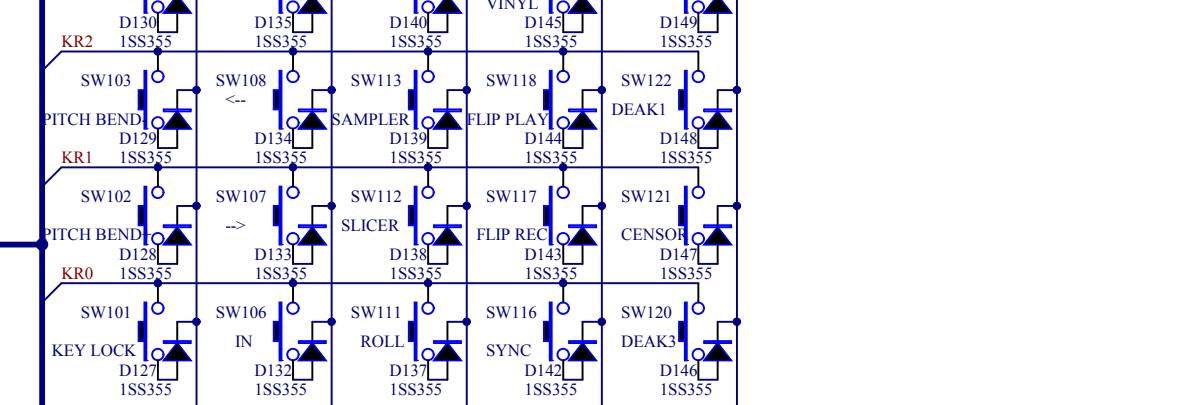
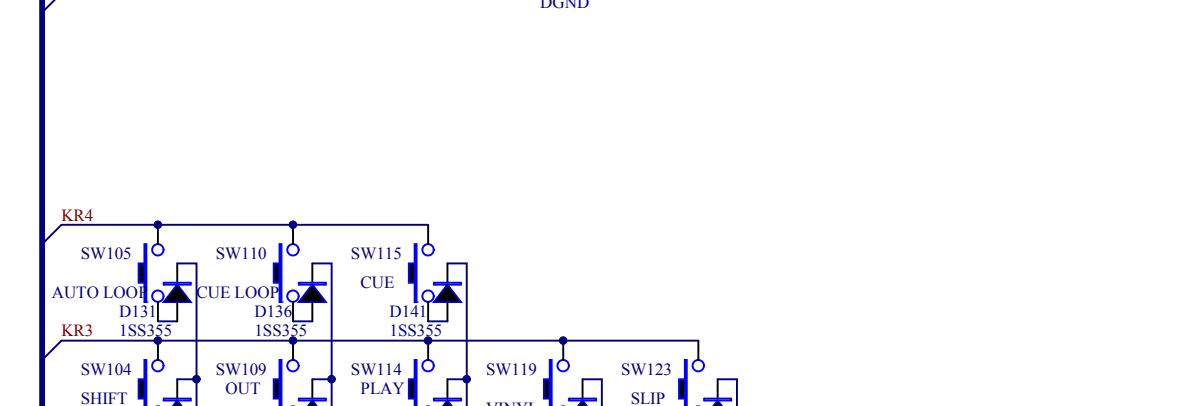
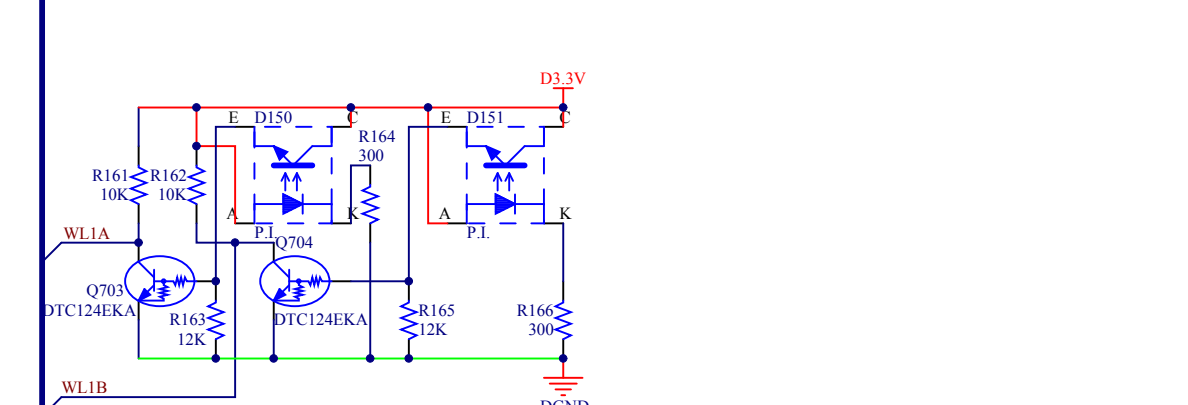
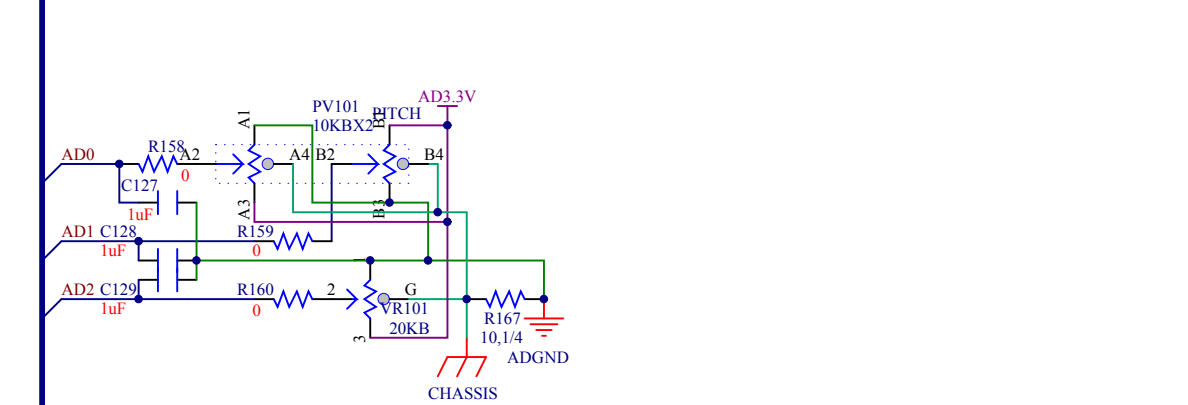
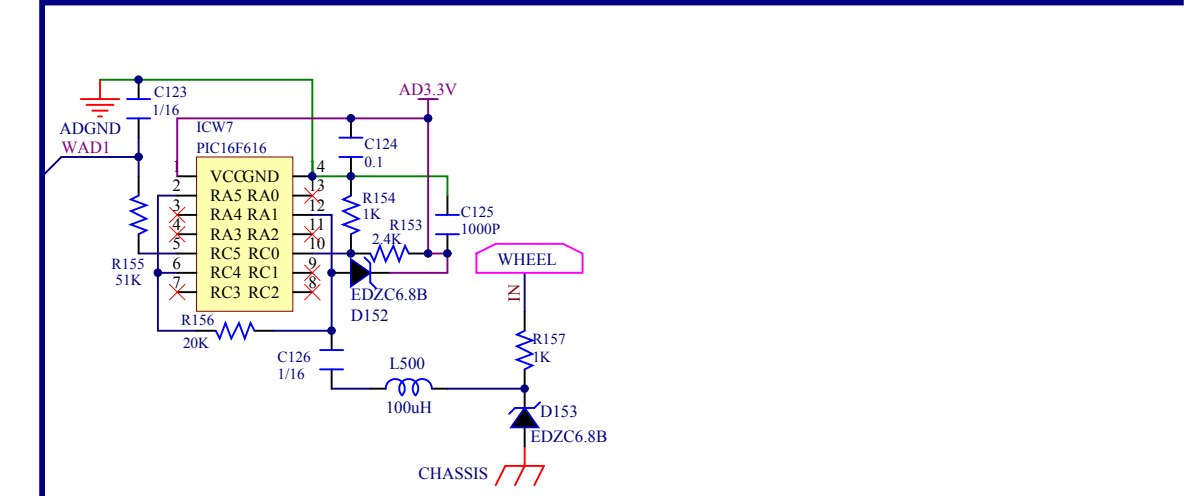
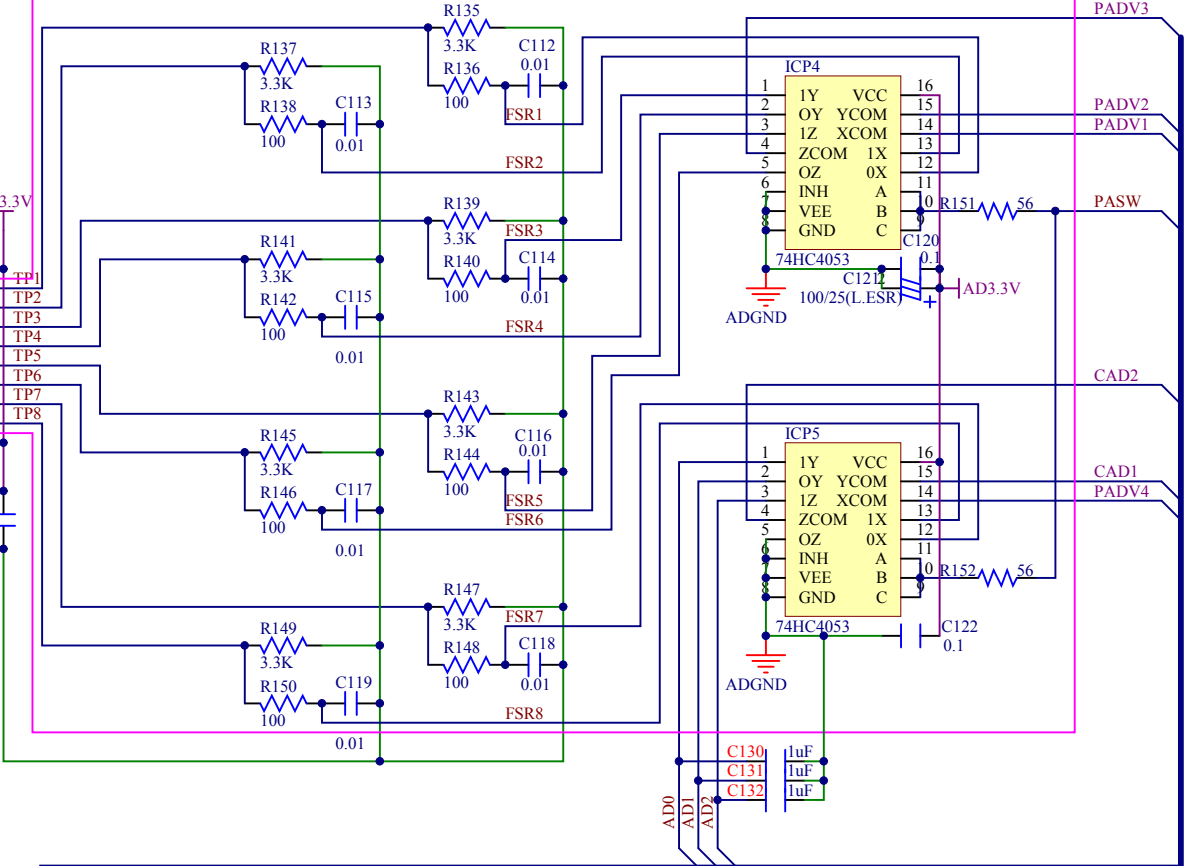
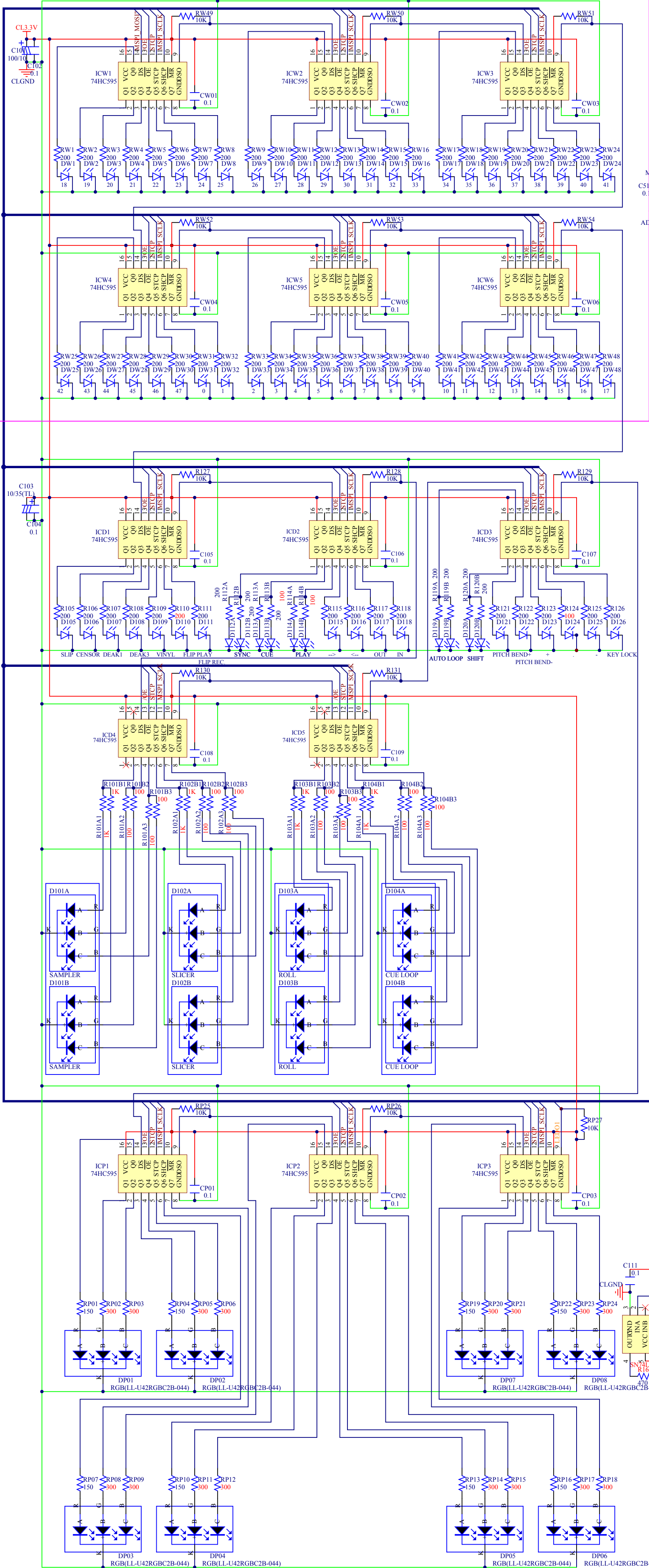
REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	TOUCH PCB ASS'Y	704-MC7K-B185	2	
CN104B1/B2,	8P SOCKET(CKM2001WV-8P 180°WHITE)	404-KT300-079A	1	
W2,	2P GROUND WIRE(L=50mm,AWM1007,AWG18,BLACK)	406-MC7K-1357	1	
	TOUCH PCB(FR-4,181*85*1.6T)	405-MC7K-3344	1	
R475,	CHIP RESISTOR(2.2K OHM,1/10W,0603,J,TP ,50V)	412-007USB-693	1	
R477,R479,R480,	CHIP RESISTOR(47 OHM,1/10W,J,0603,50V)	412-007USB-697	3	
C401,C475,C476,	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)	413-DCM280-773	3	
C477,	CHIP CAPACITOR(10uF/25V,1206 TAP,Y5V,Z)	413-MC6000-1180	1	
L476,L478,	CHIP BEAD(FBMA-11-201209-221T,220Ω/100MHz)	415-JKME3-369	2	
IC475,	IC(AD7147ACPZ-500RL7)	417-S1-1081	1	
	PHONE PCB ASS'Y	704-MC7K-B187	1	
JK606,	JACK GROUND PLATE(0.25t)	300-300-1171A	1	
CN601,	4P SOCKET(CKM2501WR-4P 90°WHITE)	404-QMX2-606A	1	
JK606,	3P PHONE JACK(6.4,JY-6313-02-030)	420-HMJ1001-5034	1	
JK607,	PHONE JACK(3.5,JY-3533-01-030)	420-SMX201-021	1	
	SPONGE	612-DJFA-373	1	
	PHONE PCB(BARE,FR-4,460*222*1.6t)	405-MC7K-3346	1	
C728,C729,C730,C731,	CHIP CAPACITOR(1000pF/50V,J,0603 TYPE,NPO)	413-COMBO-1256	4	
	XFADER CONTOUR PCB ASS'Y	704-MC7K-B188	1	
CN001,	4P SOCKET(CKM2501WR-4P 90°WHITE)	404-QMX2-606A	1	
VR001,	ROTARY VR(20KB,RD901F-20-13F-B20K-00D38A)	418-6K2-718	1	
	XFADER CONTOUR PCB	405-MC7K-3347	1	
R032,	CHIP RESISTOR(10 OHM,1/8W ,1206,J ,TP ,150V)	412-SX2800-948	1	
	MIC PCB ASS'Y	704-MC7K-B189	1	
CN501,	5P SOCKET(CKM2001WR-5P,90°WHITE)	404-KMD280A-318A	1	
	MIC PCB(BARE,FR-4,460*222*1.6t)	405-MC7K-3348	1	
JK501,	MIC JACK(SP-05-7P)	420-QMX1-096	1	



## Heat Sink &amp; USB Jack &amp; Cross Fader P.C.B Ass'y Part List

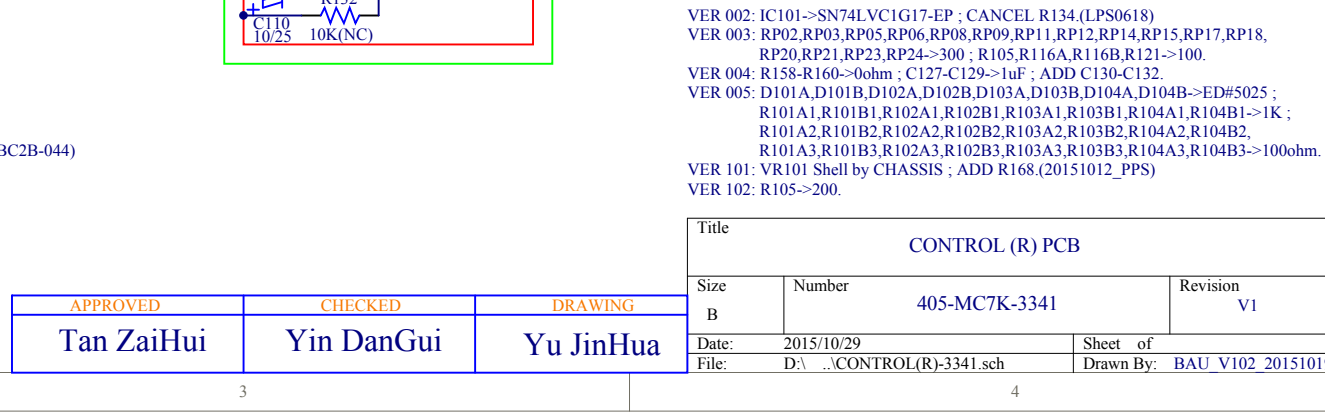
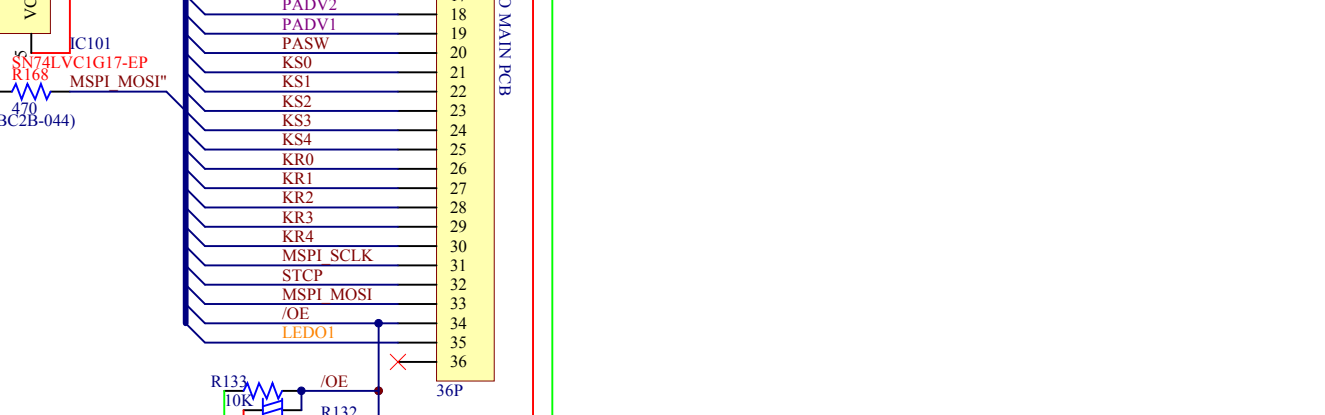
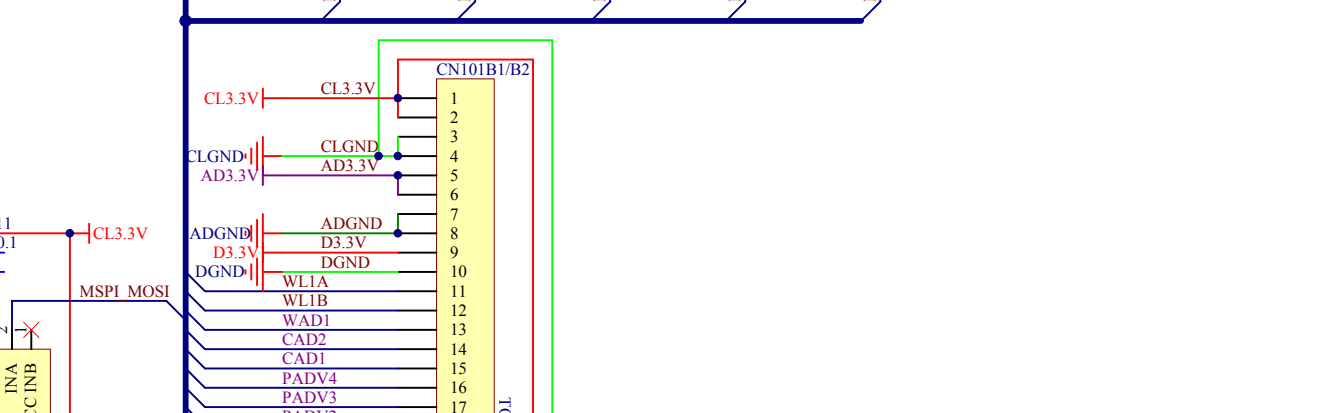
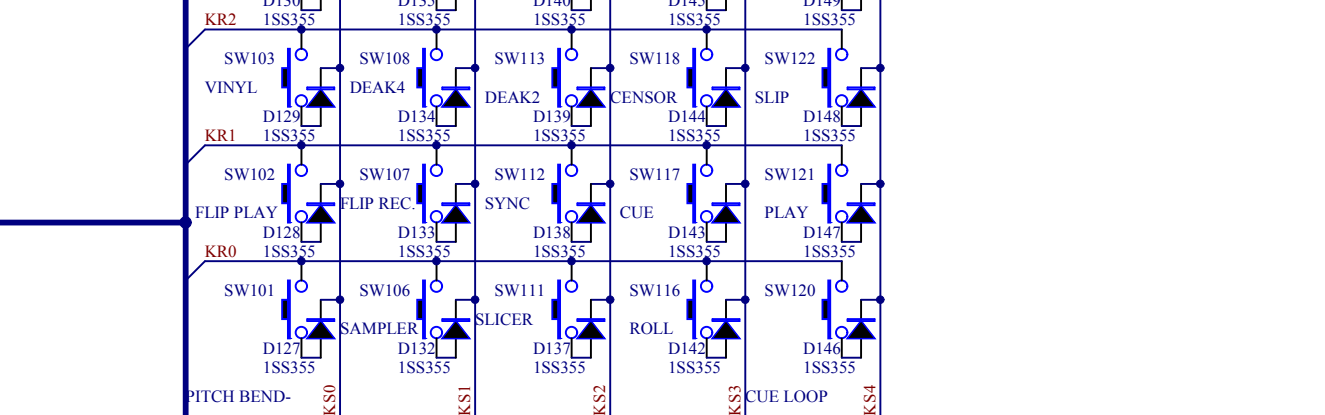
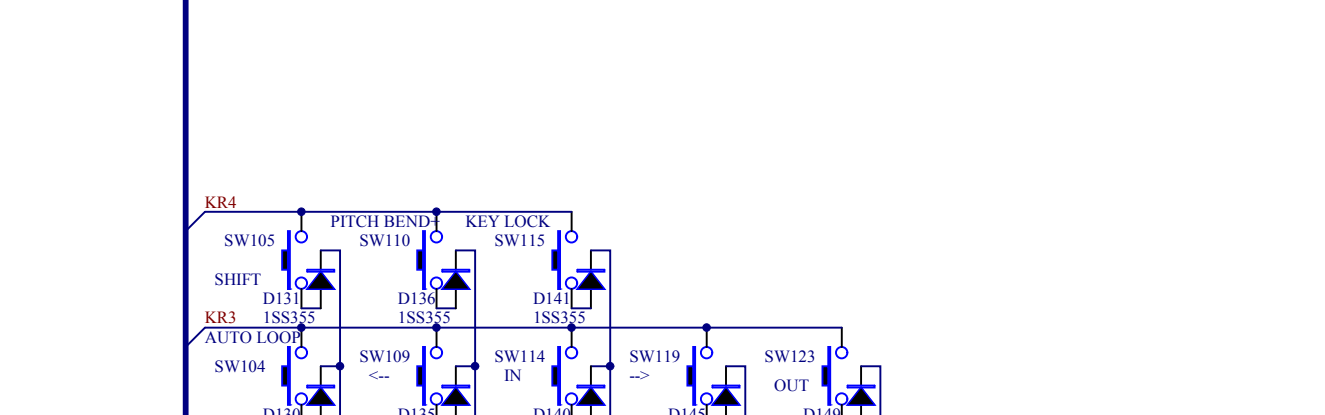
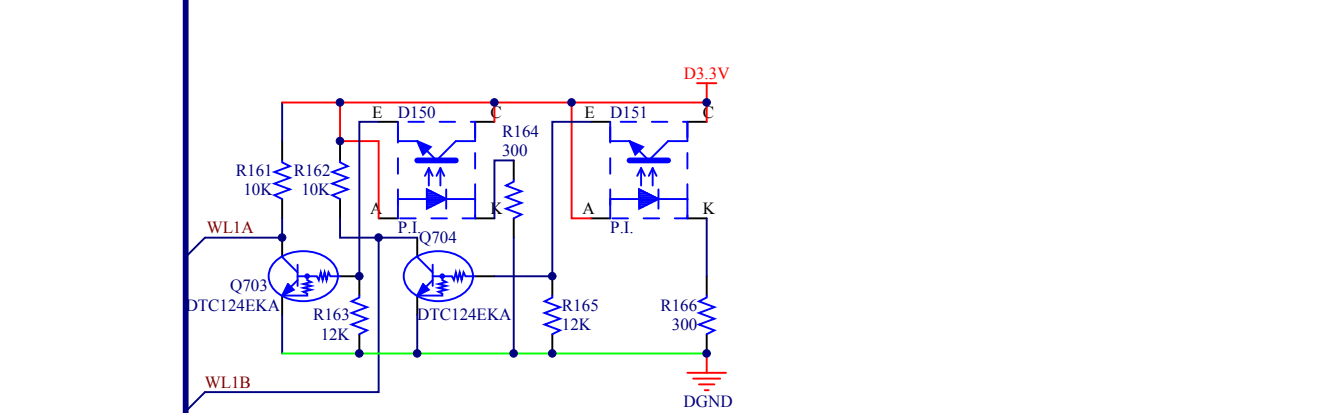
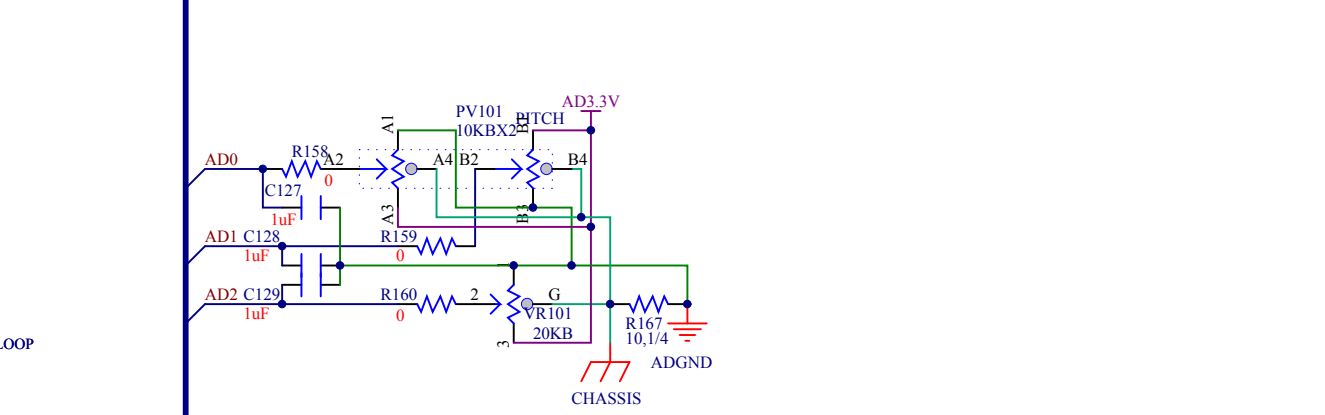
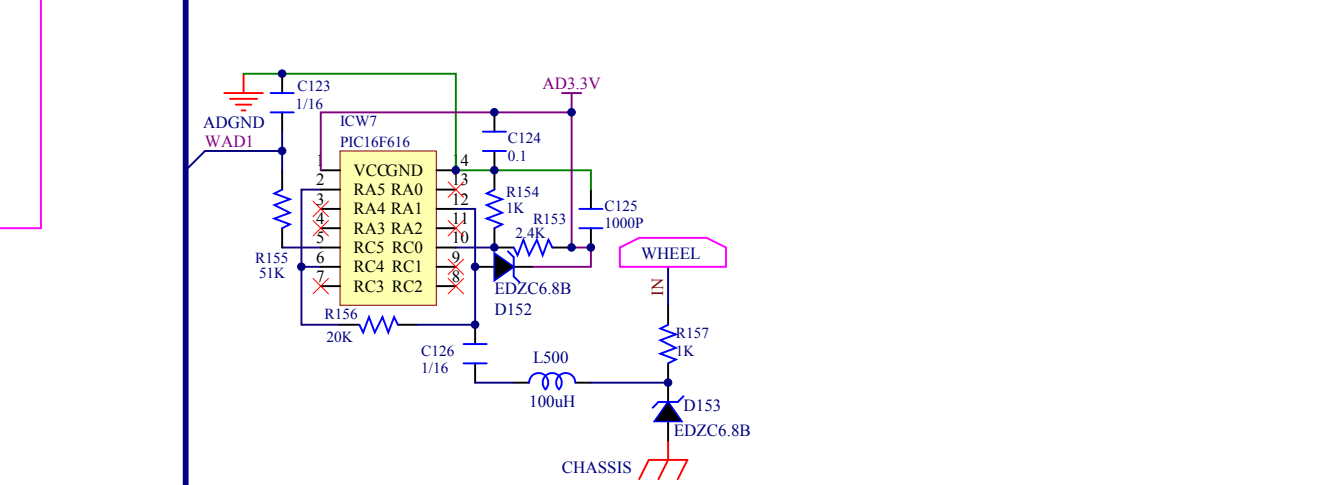
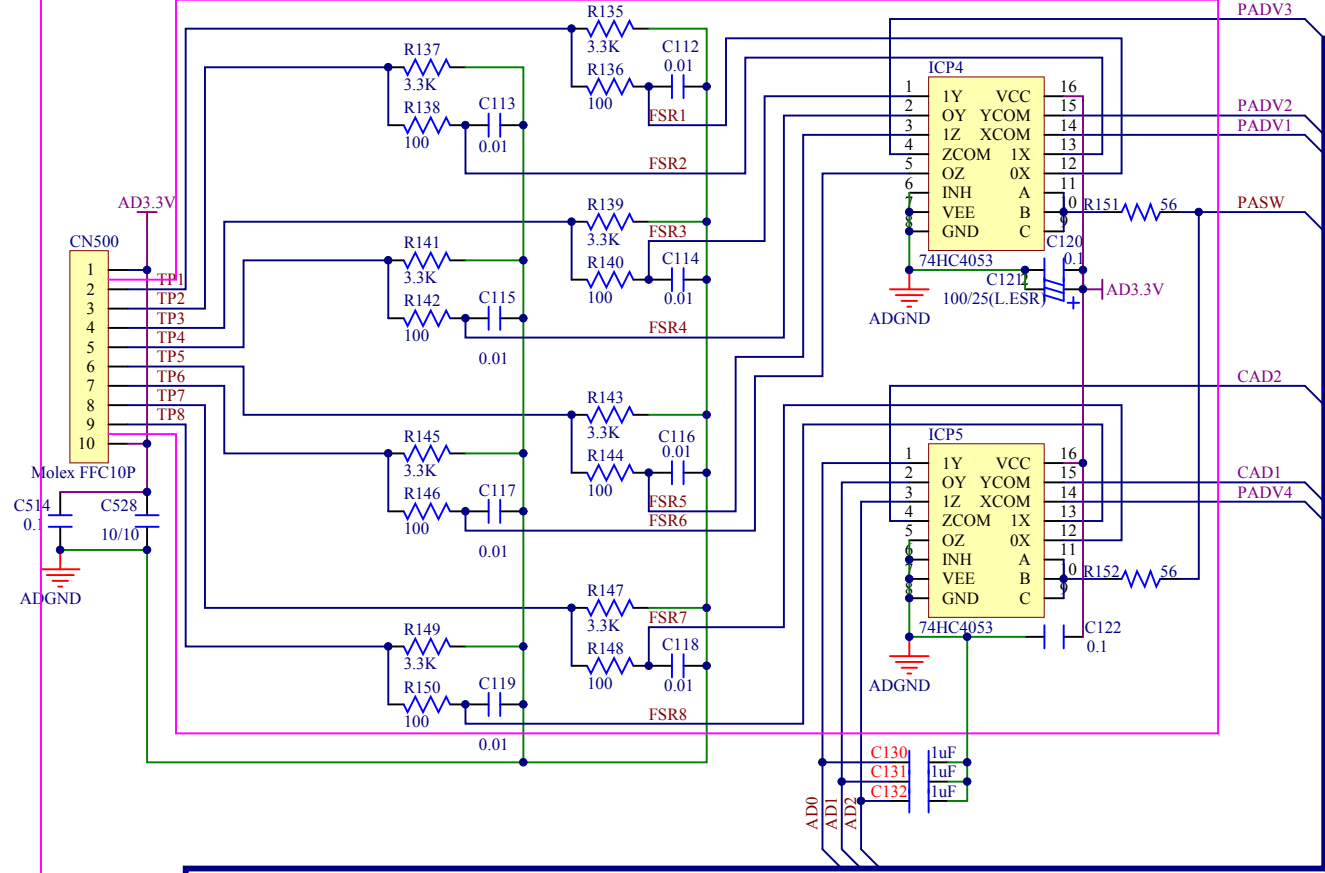
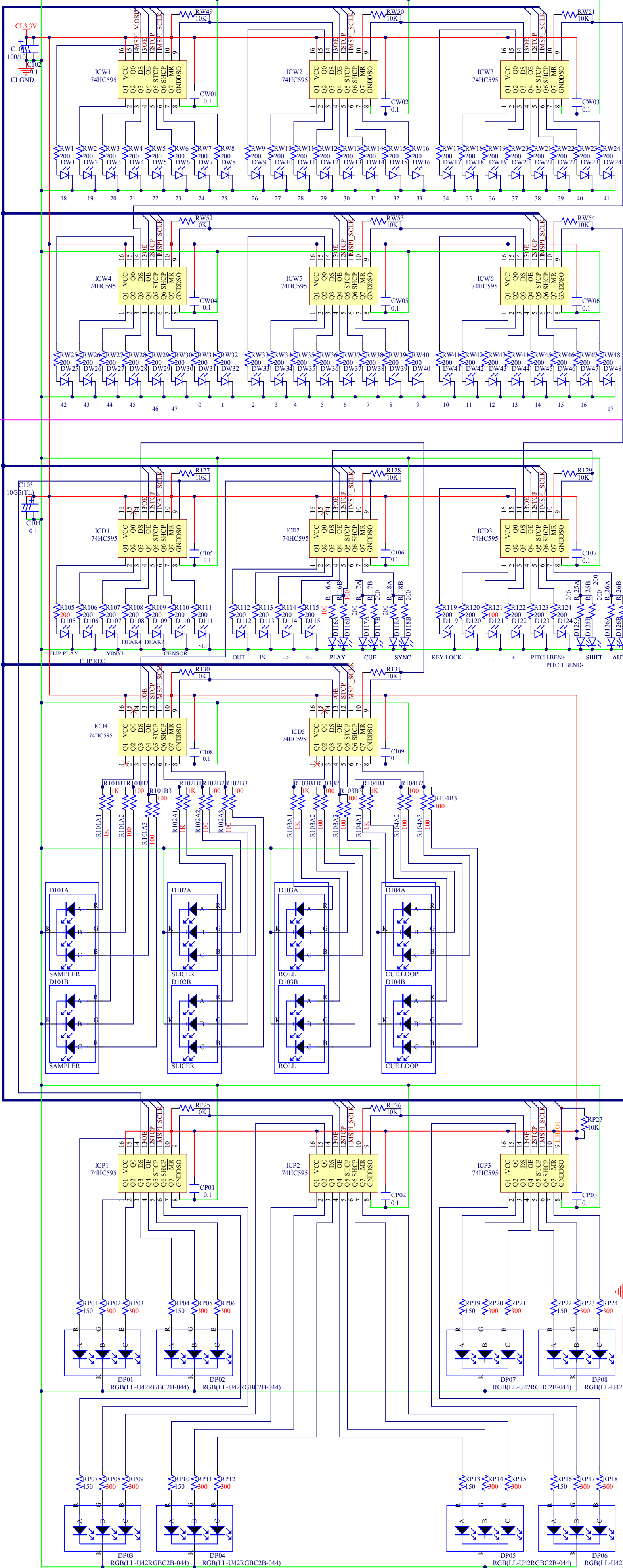
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WHEEL



Title			
CONTROL (L) PCB			
Size	Number	Revision	
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Date:	2015/10/29	Sheet of	
File:	D:\_CONTROL(L)-3340.sch	Drawn By:	BAU_V102_2015019

WHEEL



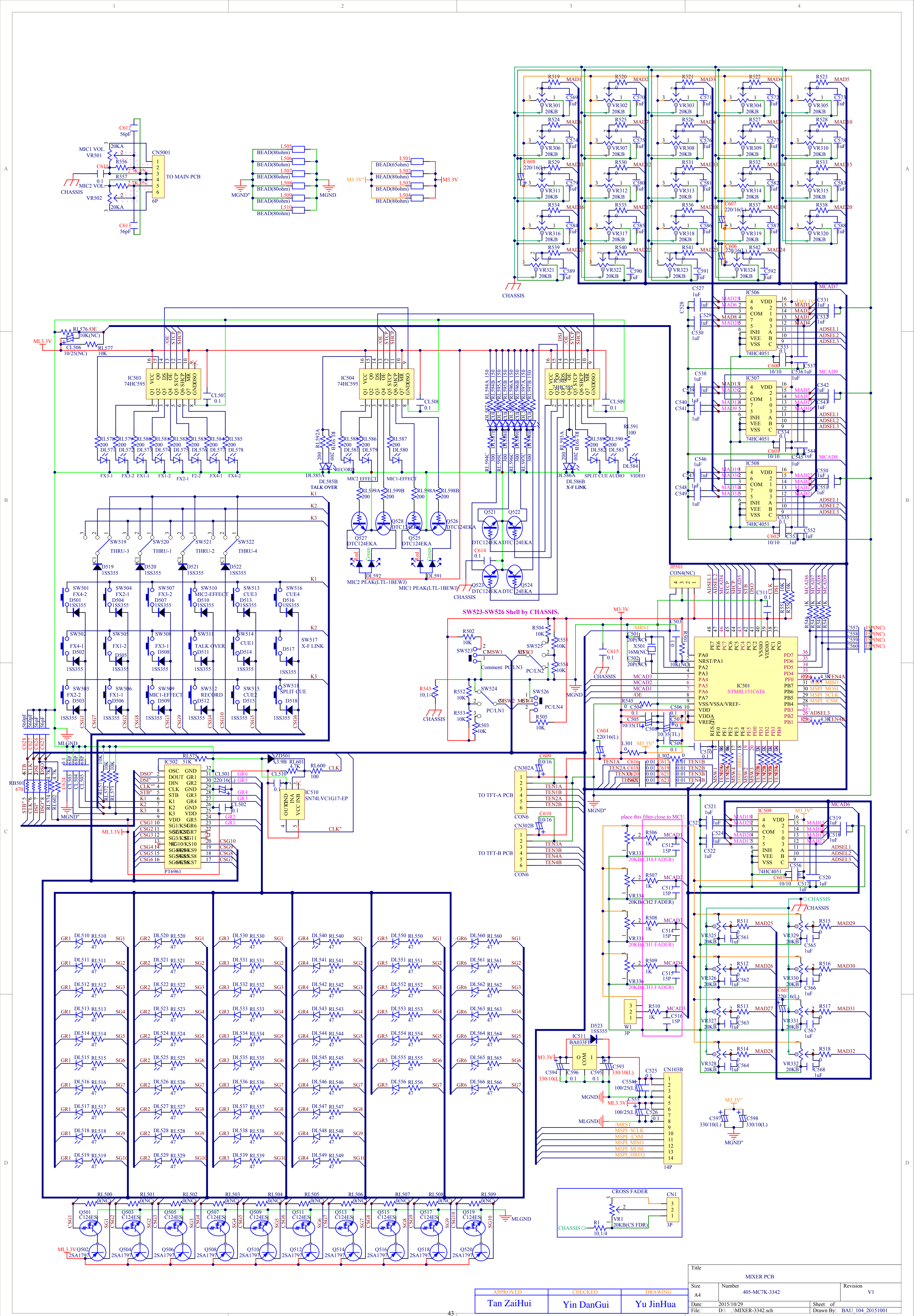
VER 002: IC101-->SN74LVCI17-EP; CANCEL R134(LP50618)  
VER 003: RP02,RP03,RP05,RP06,RP08,RP09,RP11,RP12,RP14,RP15,RP17,RP18, RP20,RP21,RP23,RP24-->300; R105,R116A,R116B,R121-->100.  
VER 004: R158-R160-->0ohm; C127-C129-->1uF; ADD C130-C132.  
VER 005: D101A,D101B,D102A,D102B,D103A,D103B,D104A,D104B-->EDW5025; R101A1,R101B1,R102A1,R102B1,R103A1,R103B1,R104A1,R104B1-->1K; R101A2,R101B2,R102A2,R102B2,R103A2,R103B2,R104A2,R104B2, R101A3,R101B3,R102A3,R102B3,R103A3,R103B3,R104A3,R104B3-->100ohm.  
VER 101: VR101 Shell by CHASSIS; ADD R168(20151012\_PPS)  
VER 102: R105-->200.

Title				CONTROL (R) PCB			
Size	Number			Revision			
B	405-MC7K-3341			V1			
Date:	2015/10/29			Sheet of			
File:	D:\...CONTROL(R)-3341.sch			Drawn By:		BAU_V102_20151019	

4

APPROVED	CHECKED	DRAWING
Tan ZaiHui	Yin DanGui	Yu JinHua

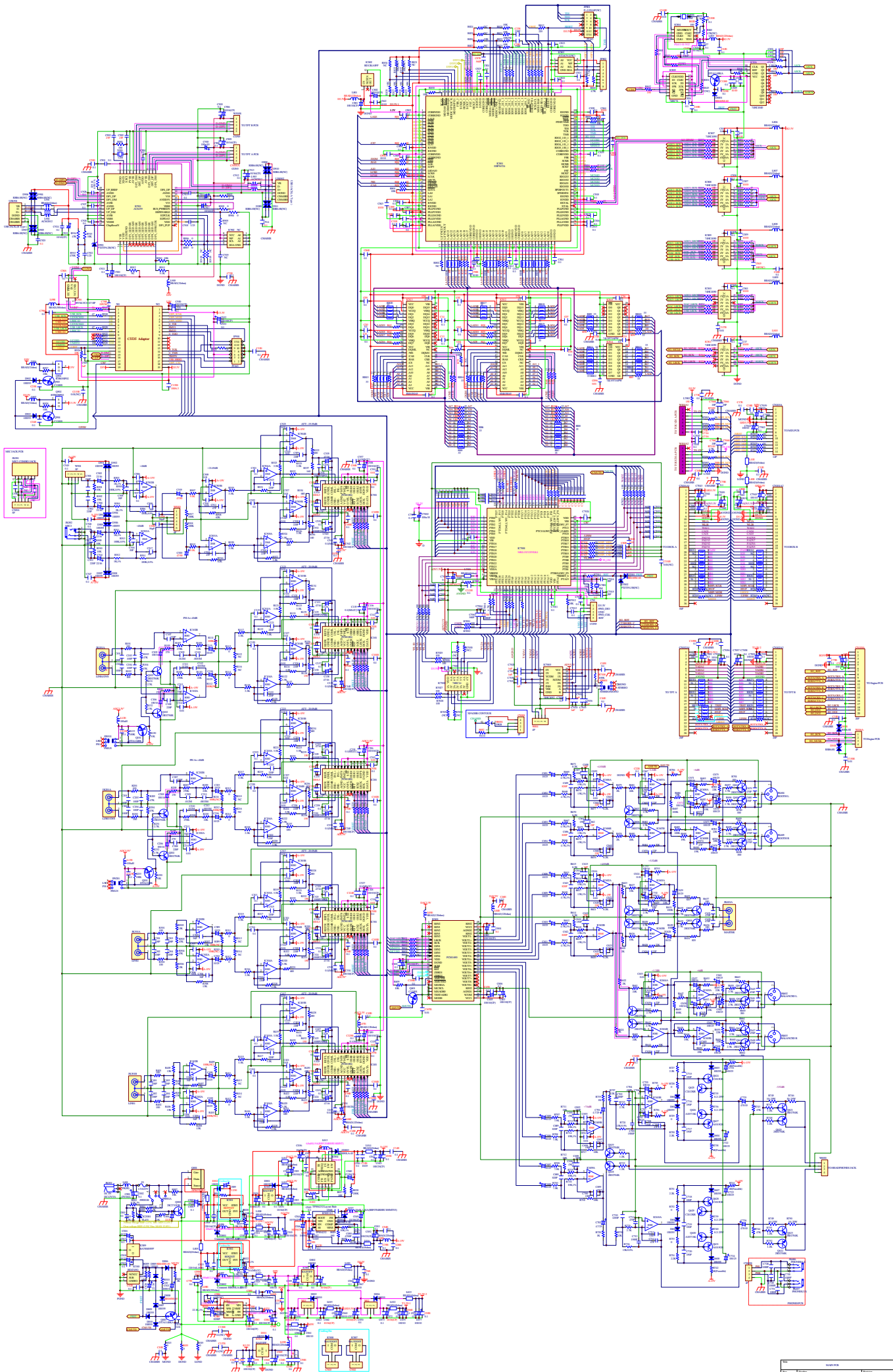










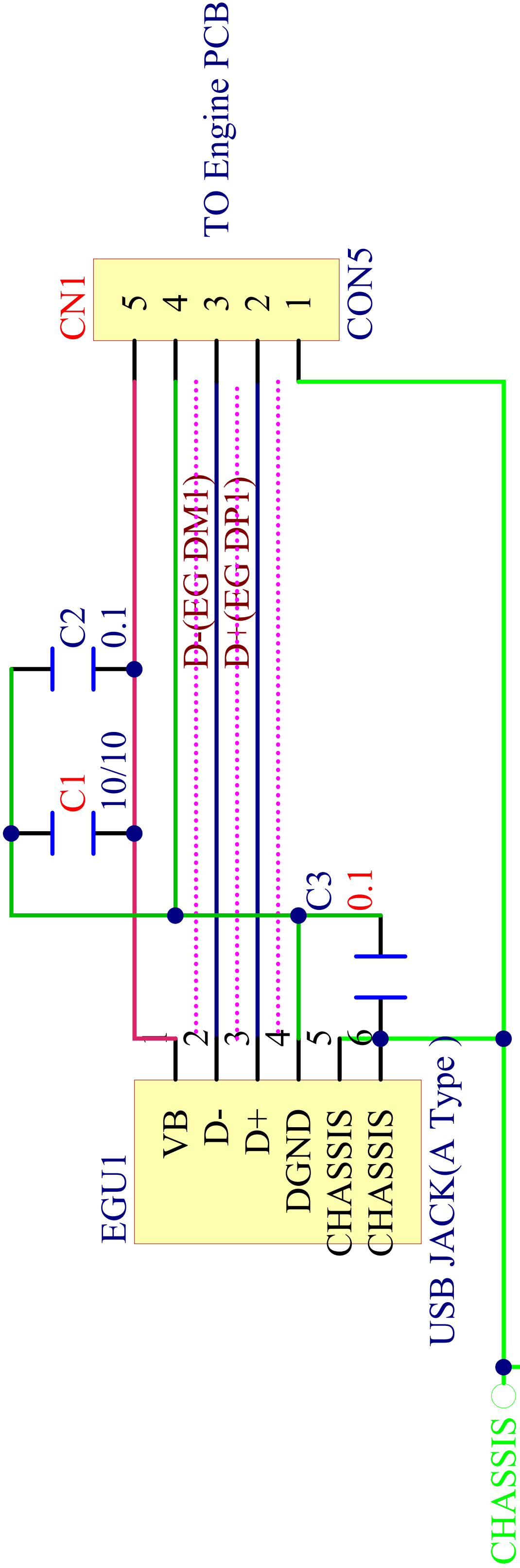




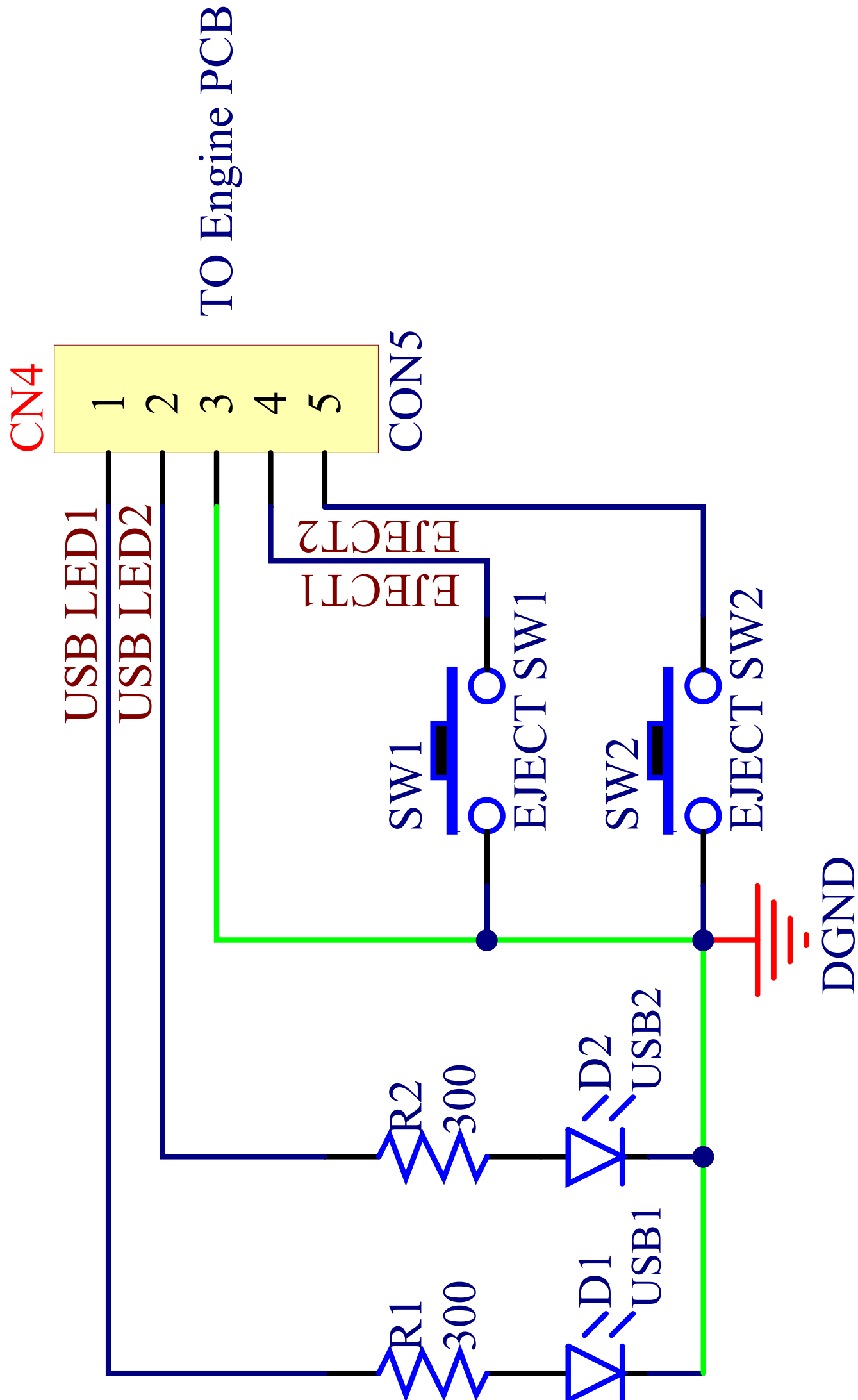




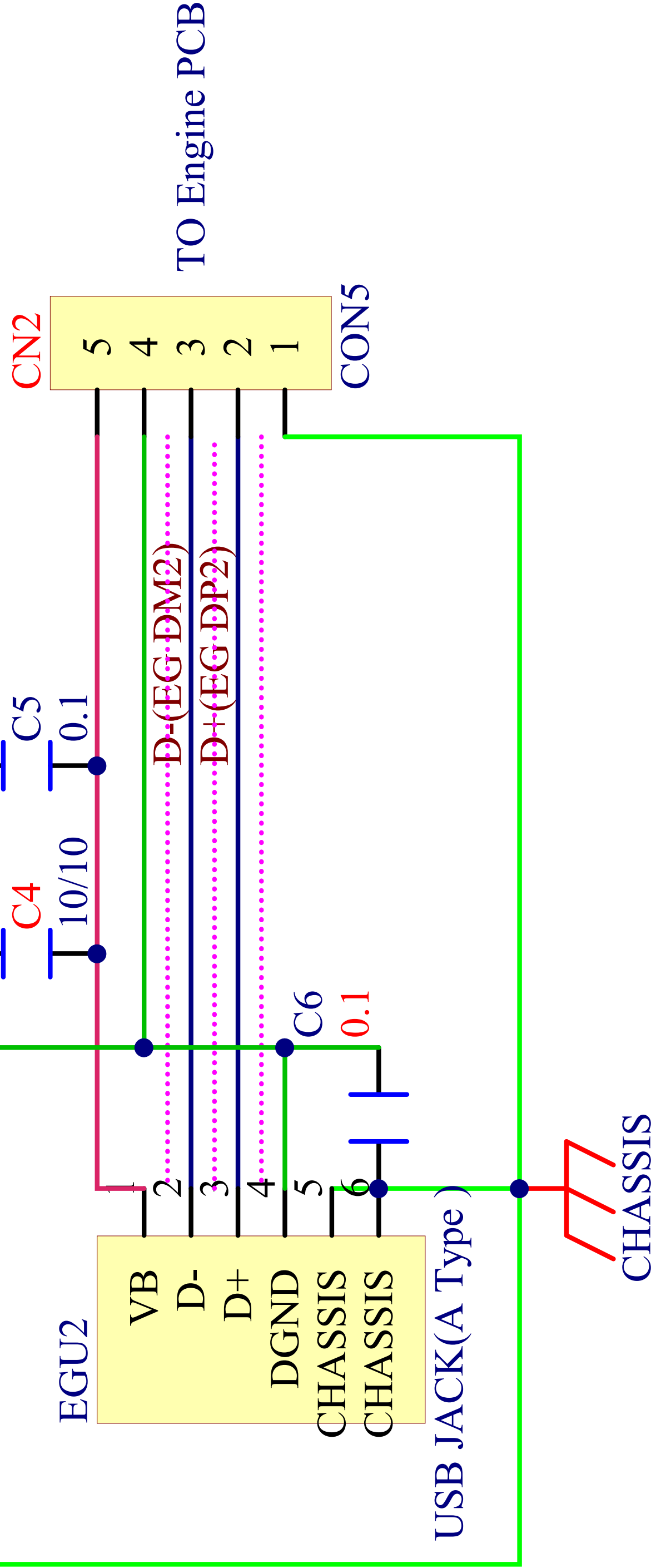
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B



C



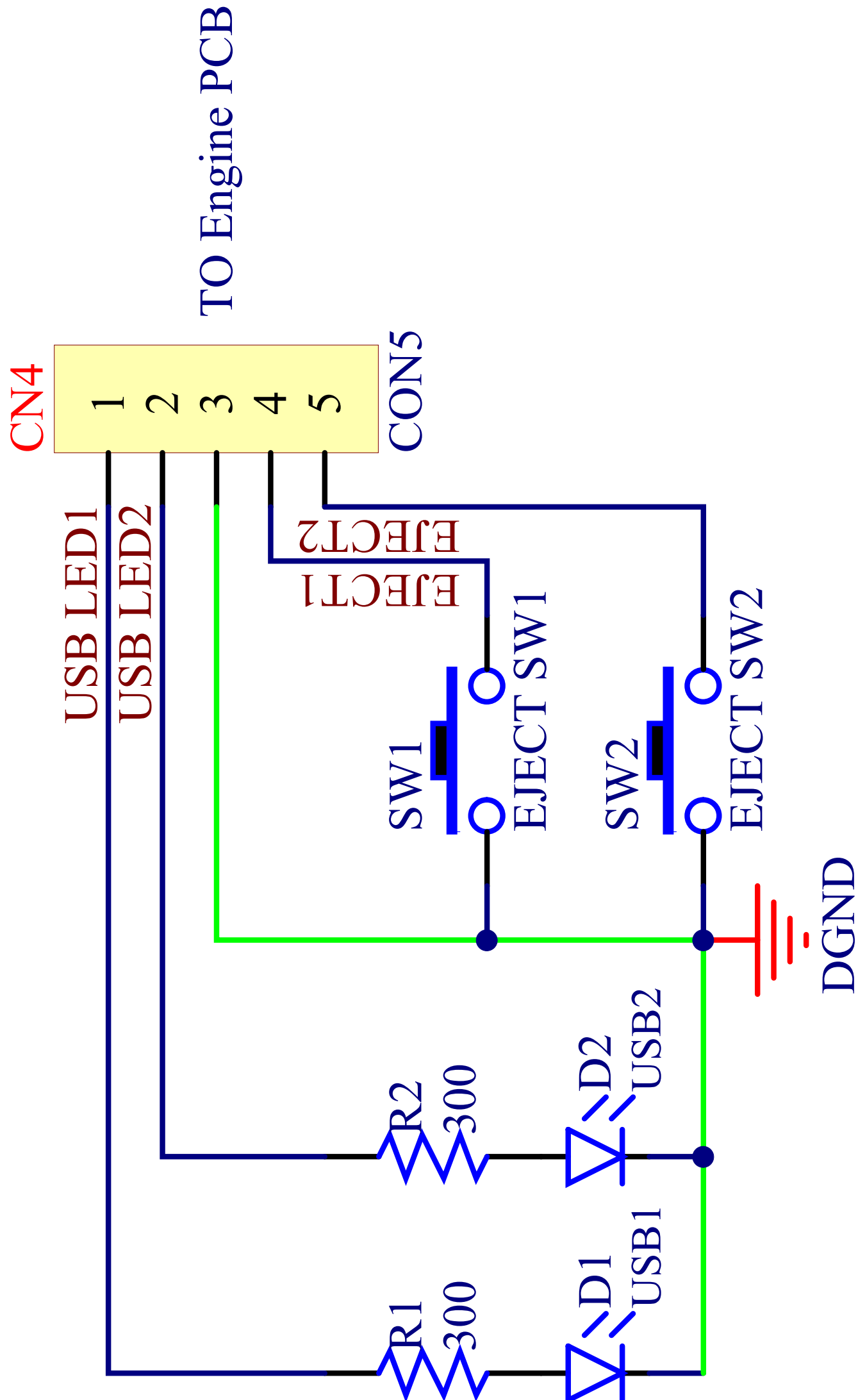
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APPROVED	CHECKED	DRAWING
Tan ZaiHui	Yin DanGui	Yu JinHua

A

B

C



Title

USB JACK

Size

B

Number

405-MC7K-3398

Revision

V1

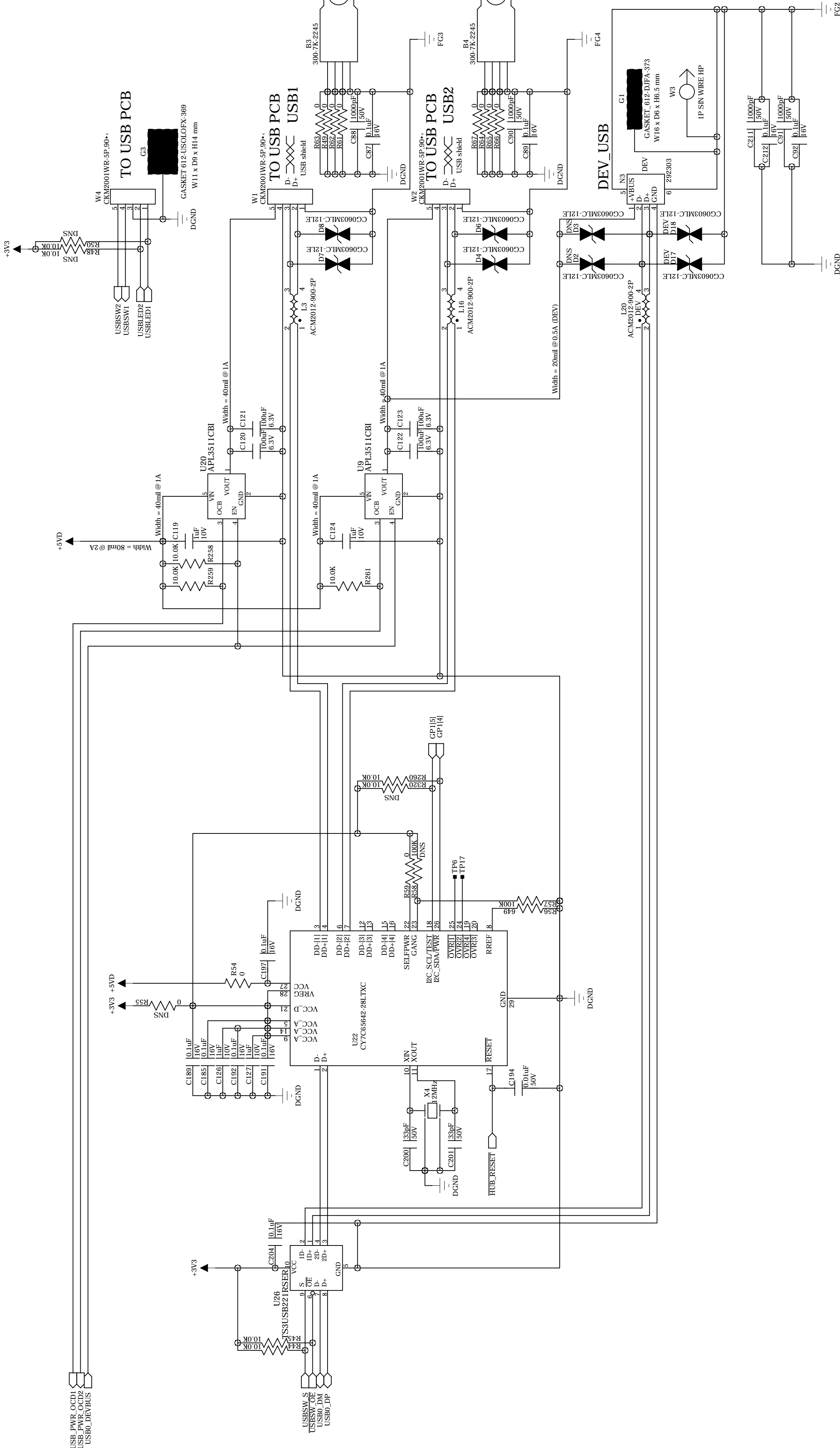
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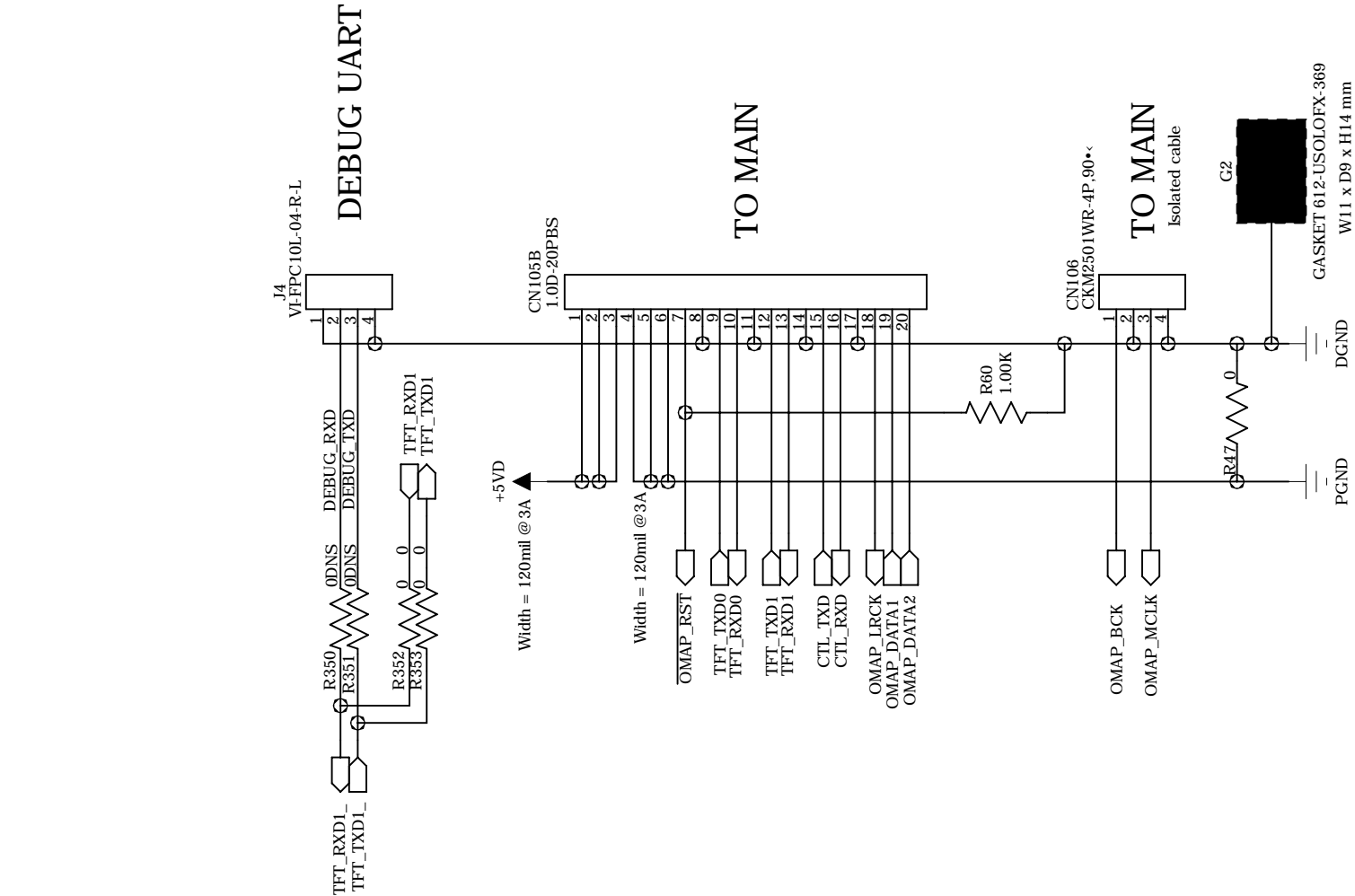
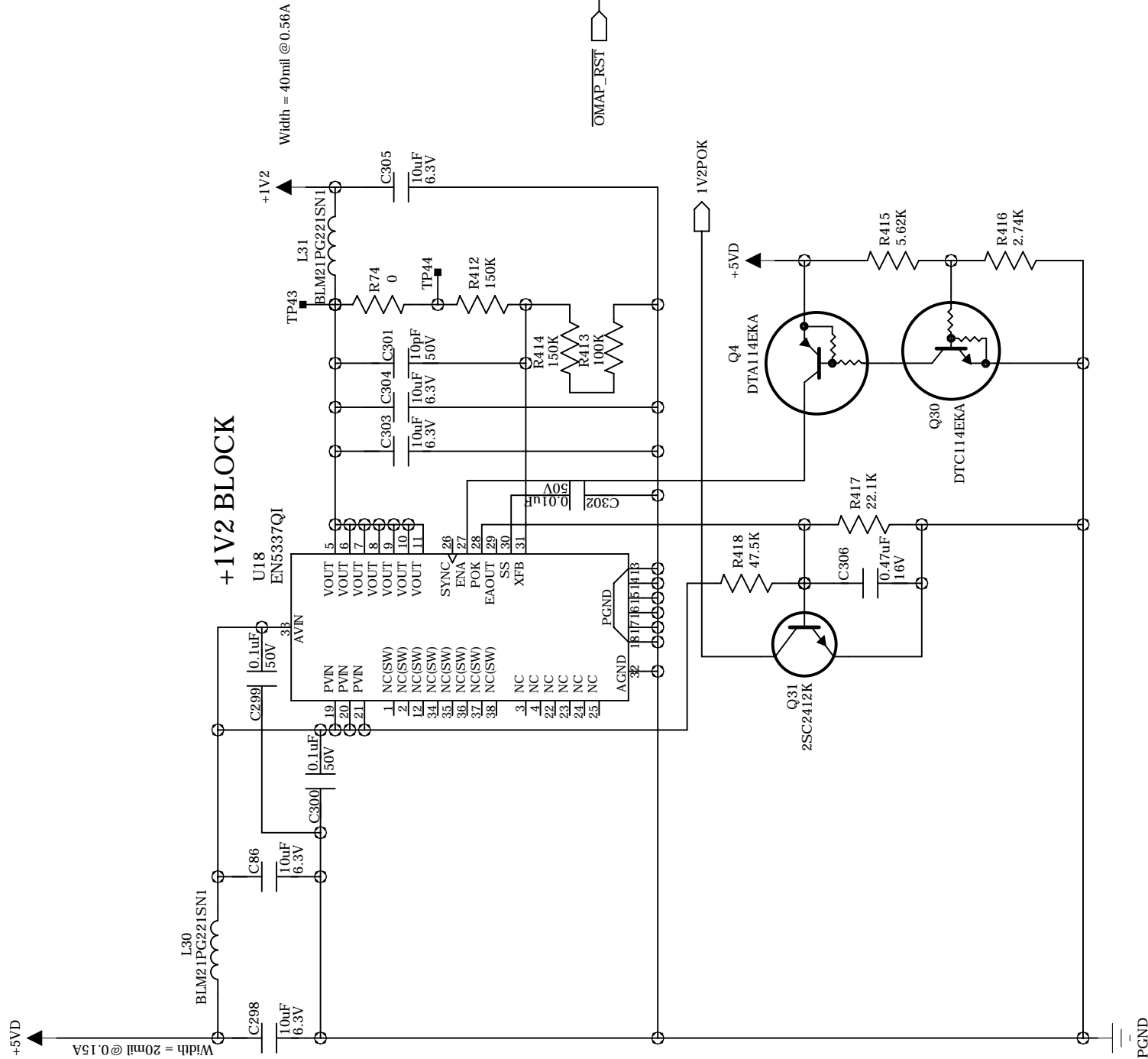
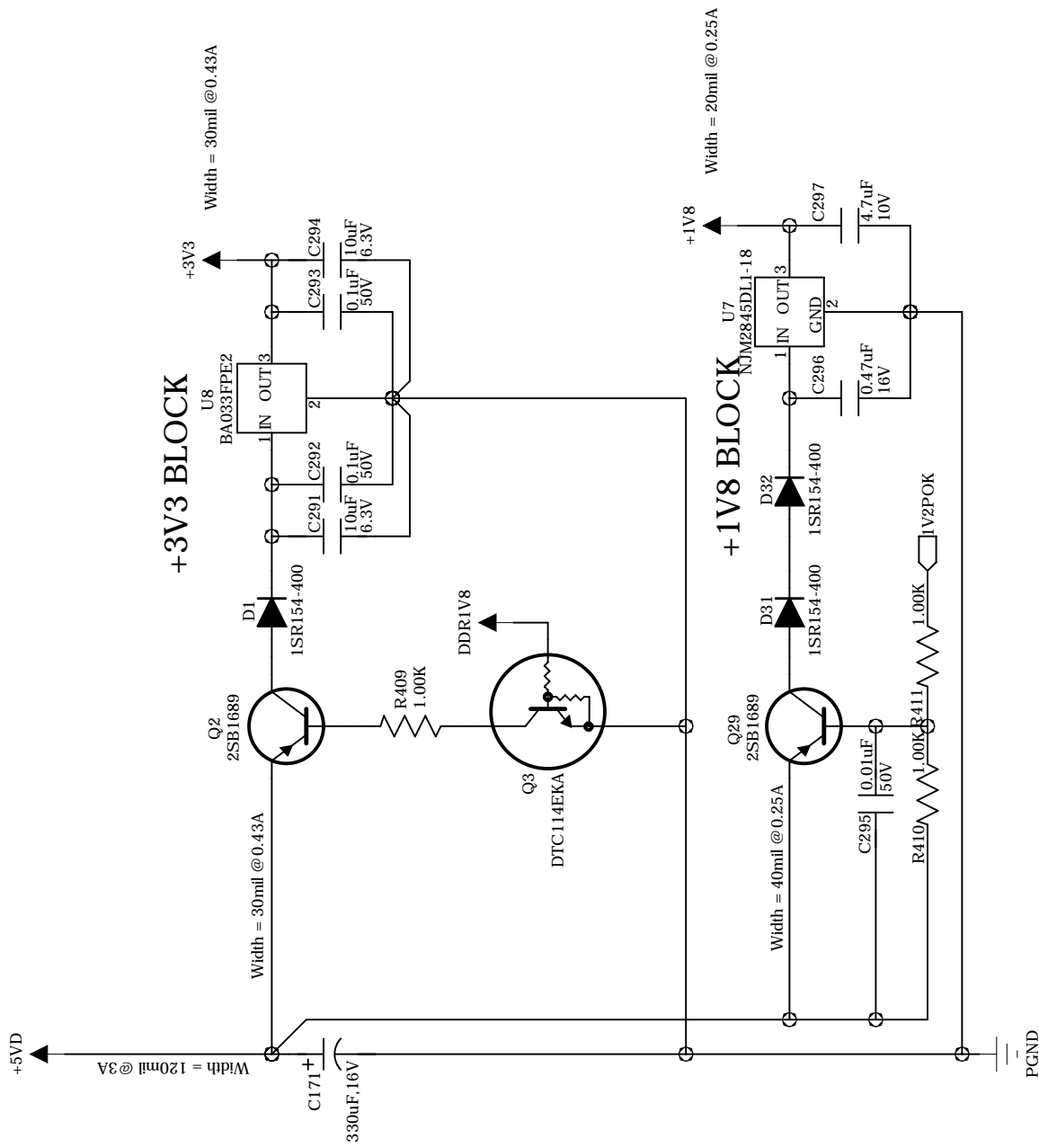


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COMPANY:		DENON DJ	
TITLE:		USB2.0_HS	
PART NUMBER:		9-40-0748-2	
ASSY NUMBER:		9-79-0748-2	
FILENAME:		JC08EG200A.sch	
SCALE:		SHEET: 2	OF 5

DRAWN: YK	DATED: 2015/10/01
RELEASED:	DATED:





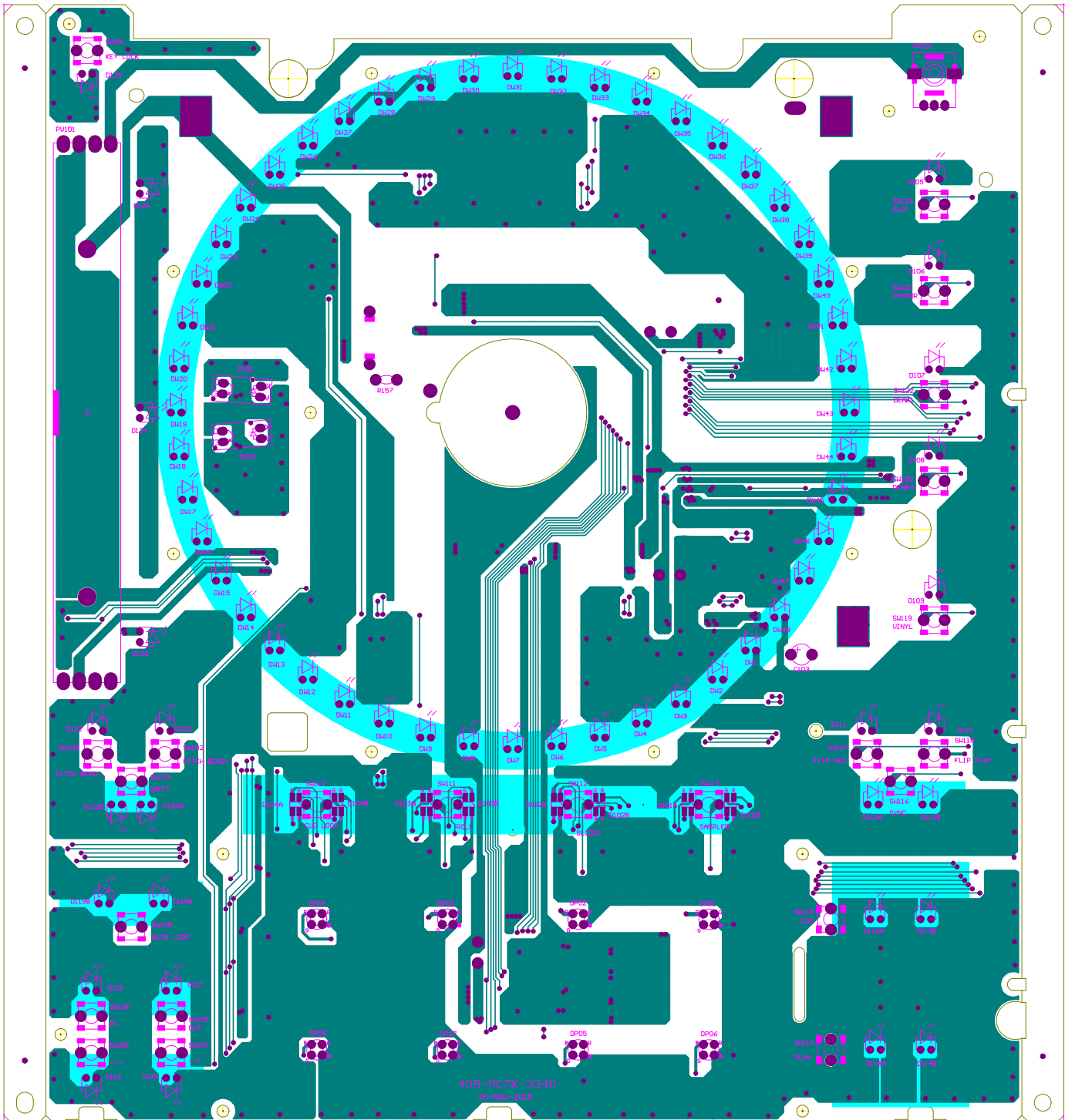
Copyright 2015 - inMusic Brands, Inc.

COMPANY:		DENON DJ	
TITLE:		POWER_RESET_IO	
PART NUMBER:		9-40-0748-2	
ASSY NUMBER:		9-79-0748-2	
FILENAME:		JC08EG200A.sch	
SCALE:		SHEET: 4 OF 5	
DRAWN:	YK	DATED:	2015/10/01
RELEASED:		DATED:	

6	5	4	3	2	1
Signal Integrity Guidelines					
D	Signal Name	Speed	Impedance	Length Match	GND Guarded
	USB0_DM USB0_DP	480MHz 480MHz	Diff: 90 ohm 15% Diff: 90 ohm 15%	No guideline No guideline	Yes Yes
	USBH_1D- USBH_1D+	480MHz 480MHz	Diff: 90 ohm 15% Diff: 90 ohm 15%	No guideline No guideline	Yes Yes
	USBH_2D- USBH_2D+	480MHz 480MHz	Diff: 90 ohm 15% Diff: 90 ohm 15%	No guideline No guideline	Yes Yes
	LAN_TXP LAN_TXN	100MHz 100MHz	Diff: 100 ohm 10% Diff: 100 ohm 10%	No guideline No guideline	Yes Yes
C	LAN_RXP LAN_RXN	100MHz 100MHz	Diff: 100 ohm 10% Diff: 100 ohm 10%	No guideline No guideline	Yes Yes
	DDR_CLKP DDR_CLKN	150MHz 150MHz	Refer to the sprs596dddr.pdf and gerber files Refer to the sprs596dddr.pdf and gerber files Refer to the sprs596dddr.pdf and gerber files Refer to the sprs596dddr.pdf and gerber files Refer to the sprs596dddr.pdf and gerber files		
	DDR_A	150MHz			
	DDR_D	150MHz			
	DDR Other	150MHz			
	OMAP_MCLK	11.2896MHz	No guideline	No guideline	Yes
B	OMAP_BCK OMAP_LRCK	2.6MHz 44.1kHz	No guideline No guideline	No guideline No guideline	Yes Yes Yes
	RM_50M MDIO_CLK MDIO_D	50MHz 2.5MHz 1.25MHz	No guideline No guideline No guideline	No guideline No guideline No guideline	Yes Yes Yes Yes
	TFT_TXD0 TFT_RXD0 TFT_TXD1 TFT_RXD1	5MHz 5MHz 5MHz 5MHz	No guideline No guideline No guideline No guideline	No guideline No guideline No guideline No guideline	Yes Yes Yes Yes Yes
	TFT_TXD1_ TFT_RXD1_ DEBUG_TXD DEBUG_RXD	5MHz 5MHz 115kHz 115kHz	No guideline No guideline No guideline No guideline	No guideline No guideline No guideline No guideline	Yes Yes Yes Yes Yes
	CTL_TXD CTL_RXD	5MHz 5MHz	No guideline No guideline	No guideline No guideline	Yes Yes
Copyright 2015 - inMusic Brands, Inc.					
A					
COMPANY: DENON DJ					
TITLE: NOTES					
PART NUMBER: 9-40-0748-2					
ASSY NUMBER: 9-79-0748-2					
FILENAME: JC08EG200A.sch					
SCALE: SHEET: 5 OF 5					
DRAWN: YK			DATED: 2015/10/01		
RELEASED:			DATED:		

405-MC7K-3340

CONTROL L PCB



TOP VIEW



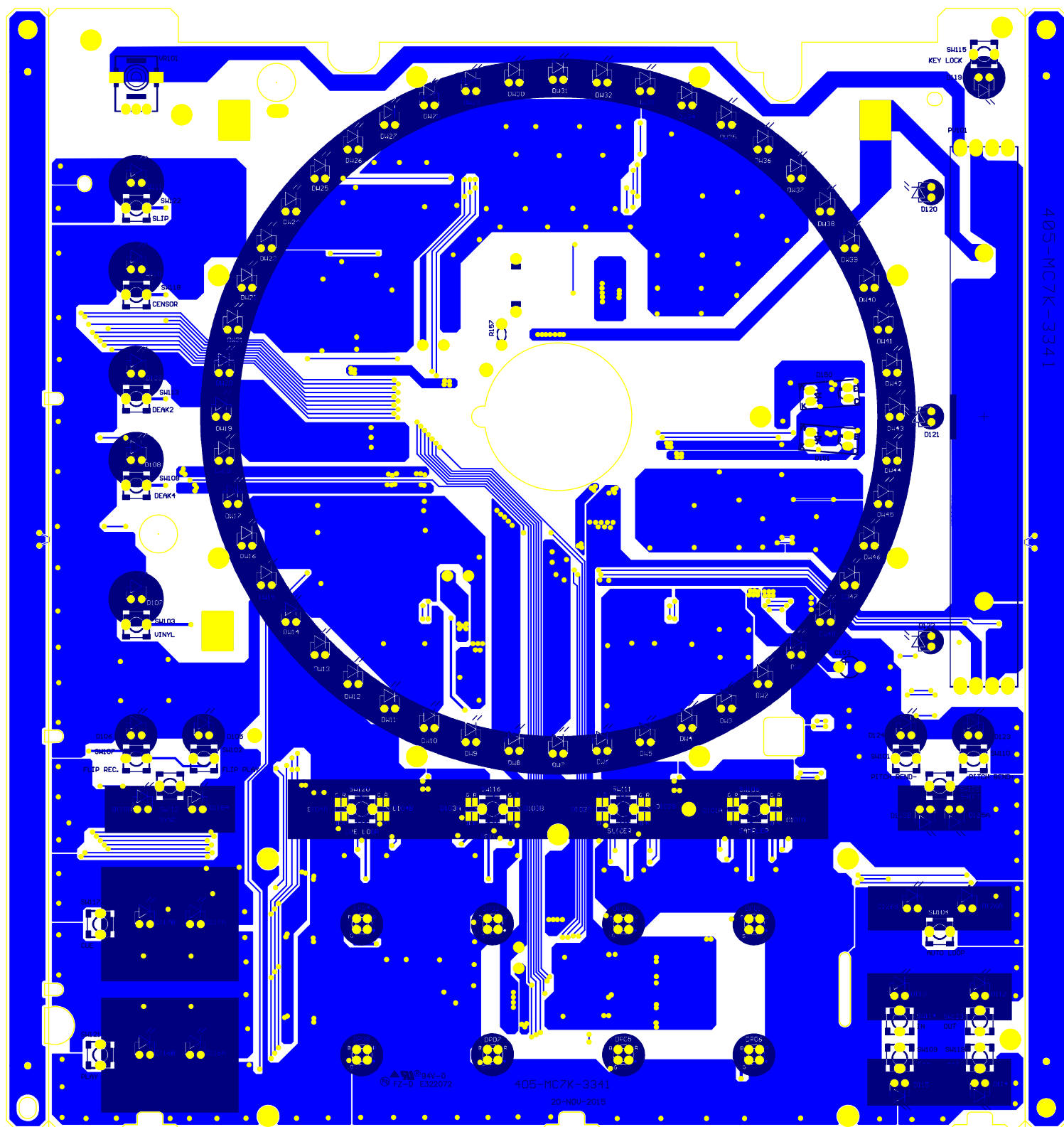
CONTROL L PCB





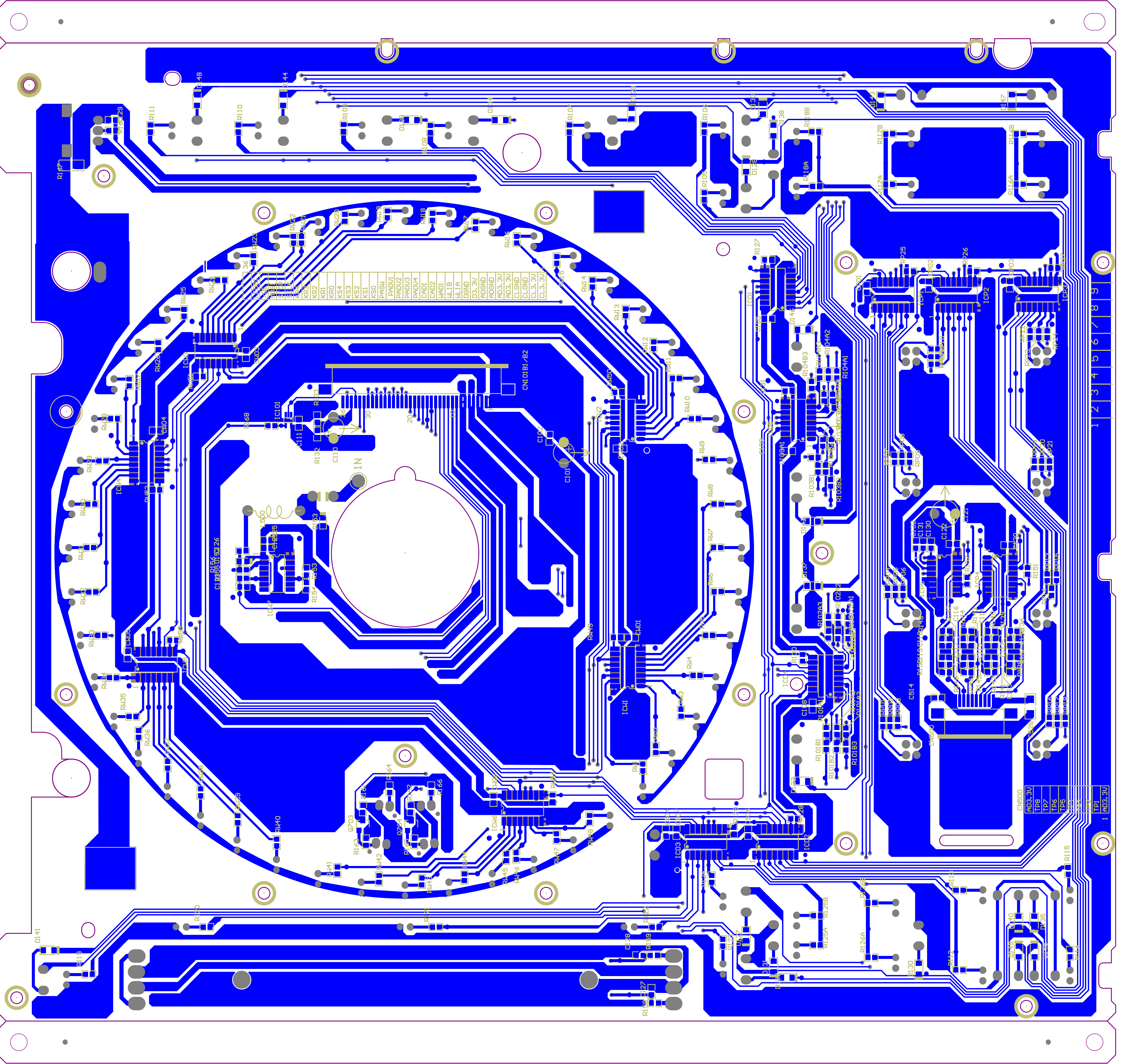
405-MC7K-3341

CONTROL R PCB



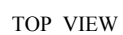
405-MC7K-3341

CONTROL R PCB



BOTTOM VIEW

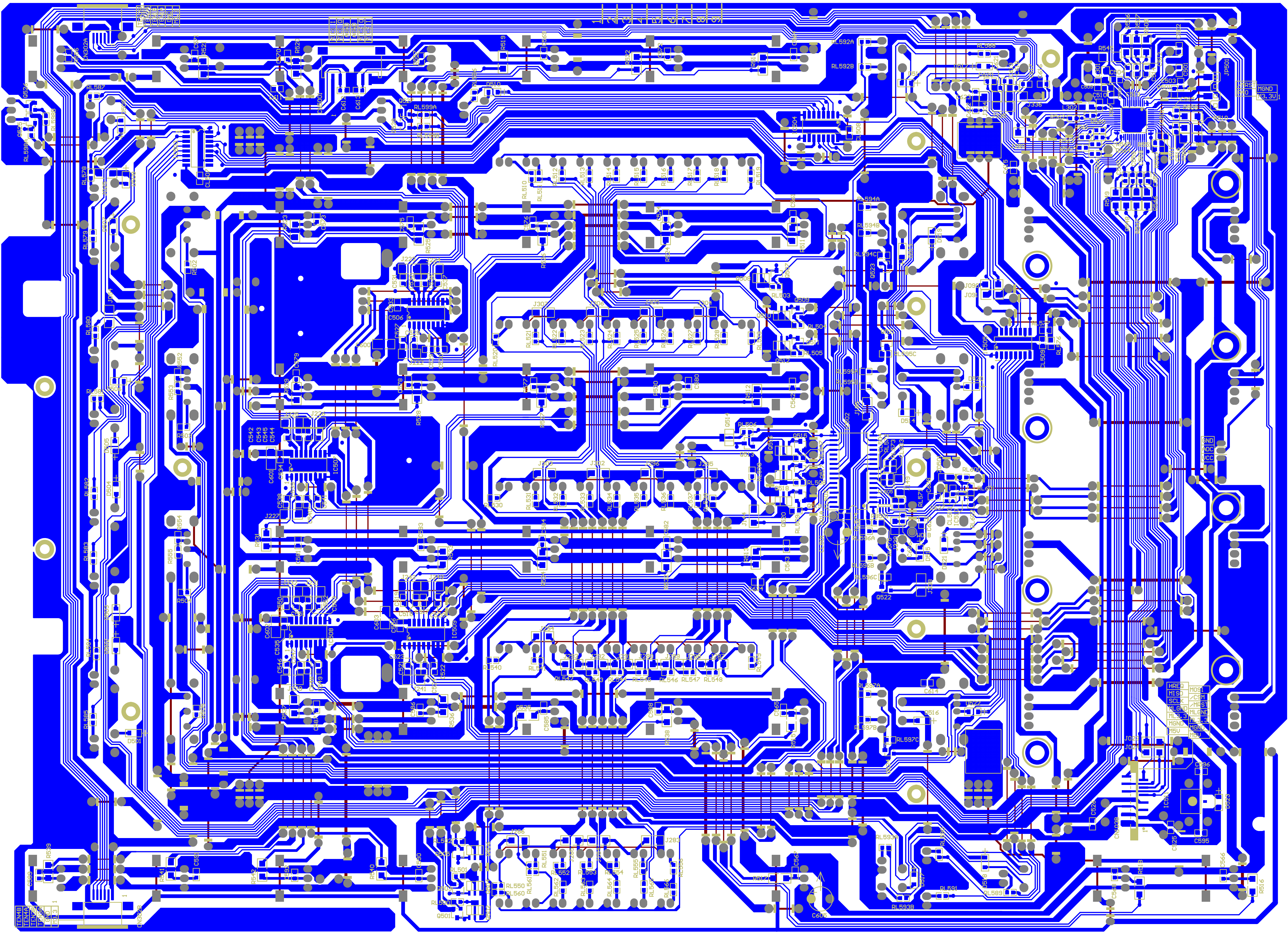






405-MC7K-3342

MIX PCB



BOTTOM VIEW

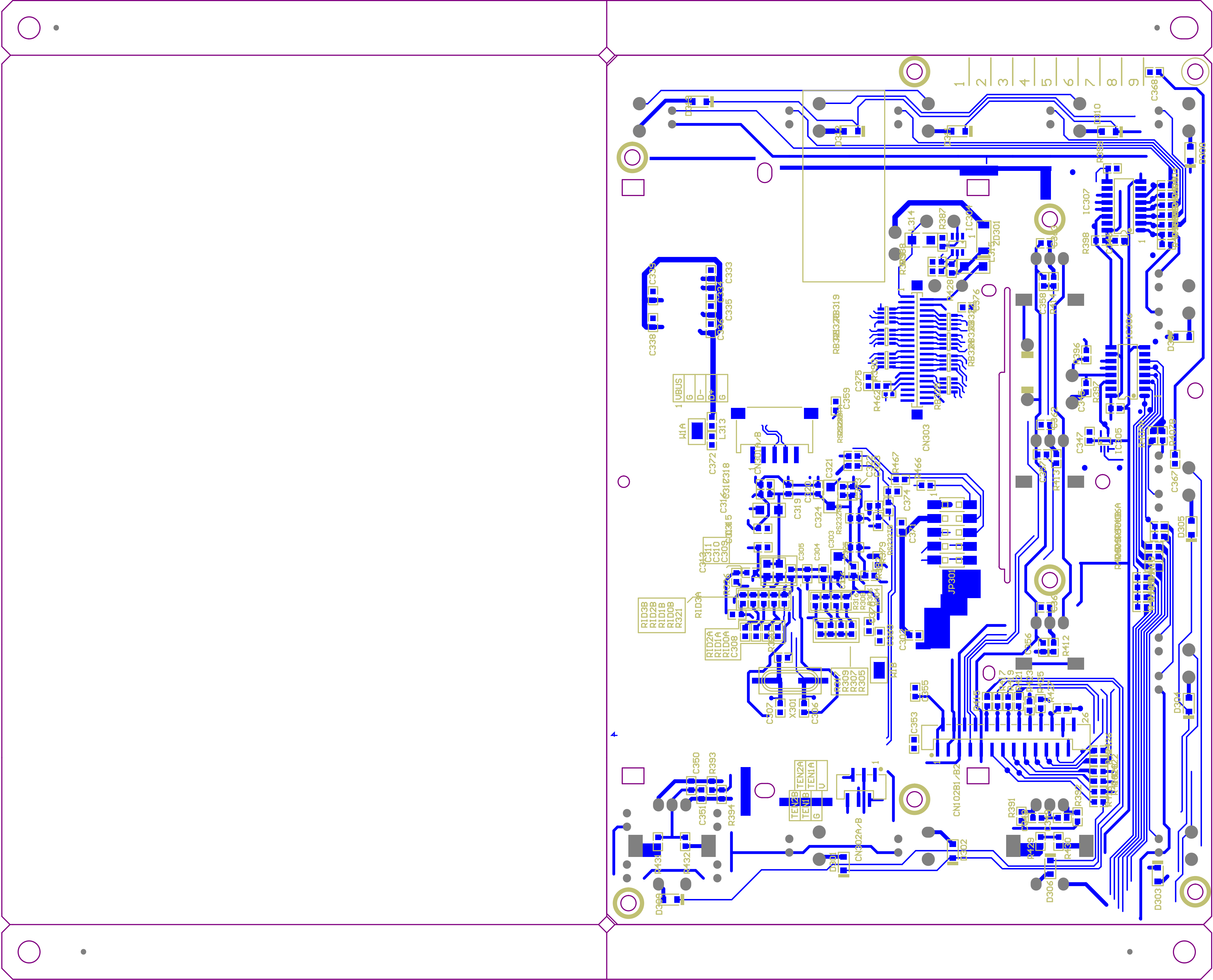
## TFT DISPLAY PCB





405-MC7K-3343

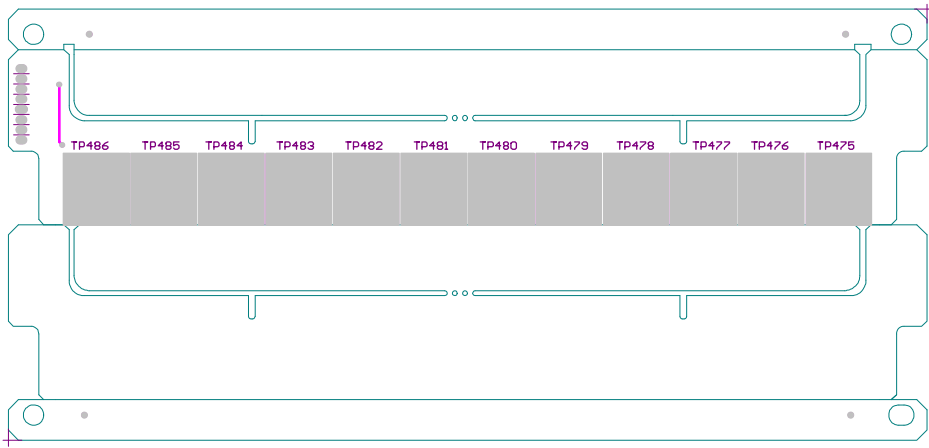
TFT DISPLAY PCB



BOTTOM VIEW

405-MC7K-3344

TOUCH PCB



TOP VIEW

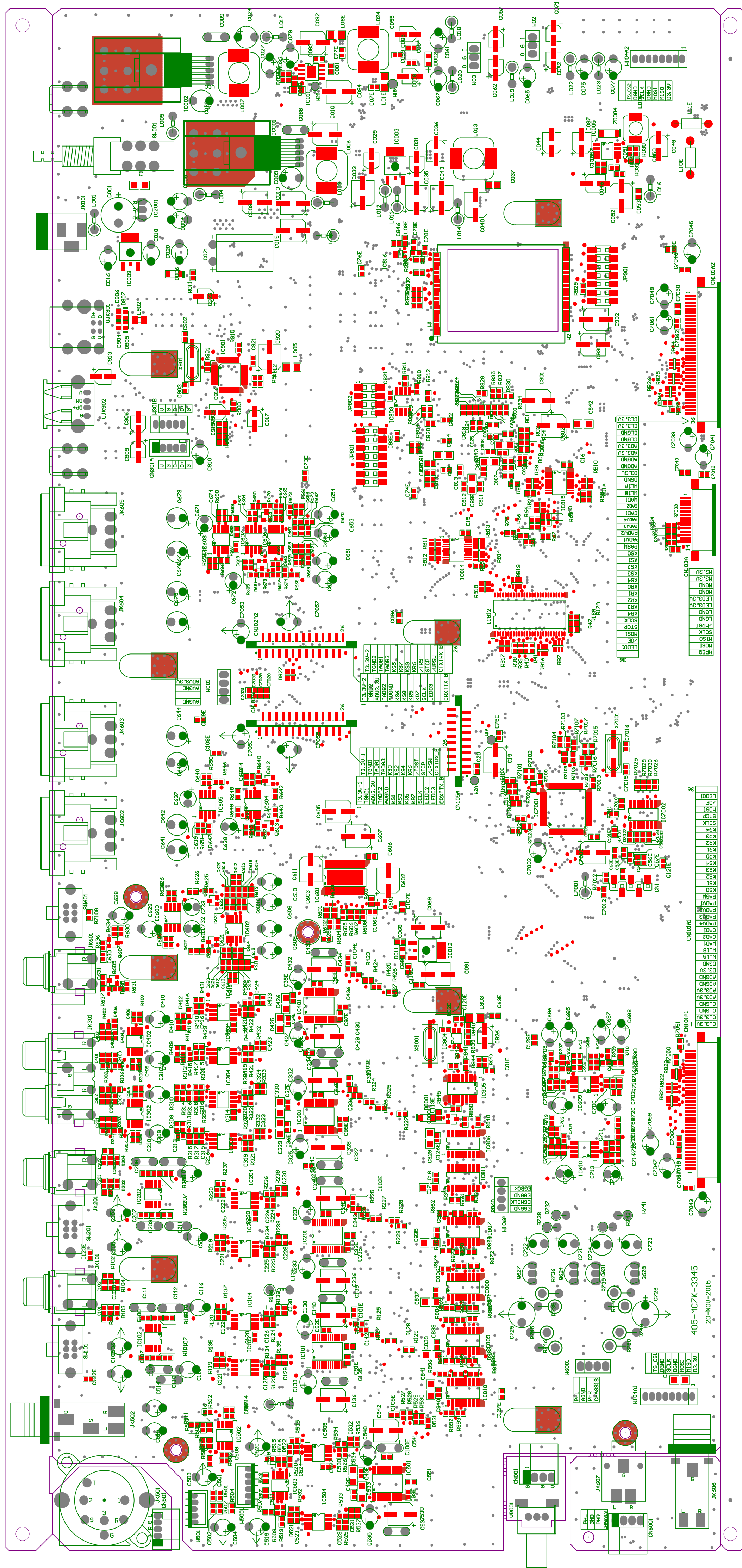
TOUCH PCB





405-MC7K-3345/3346/3347/3348

IO-MAIN /PHONE/XFADER CONTOUR /MIC PCB

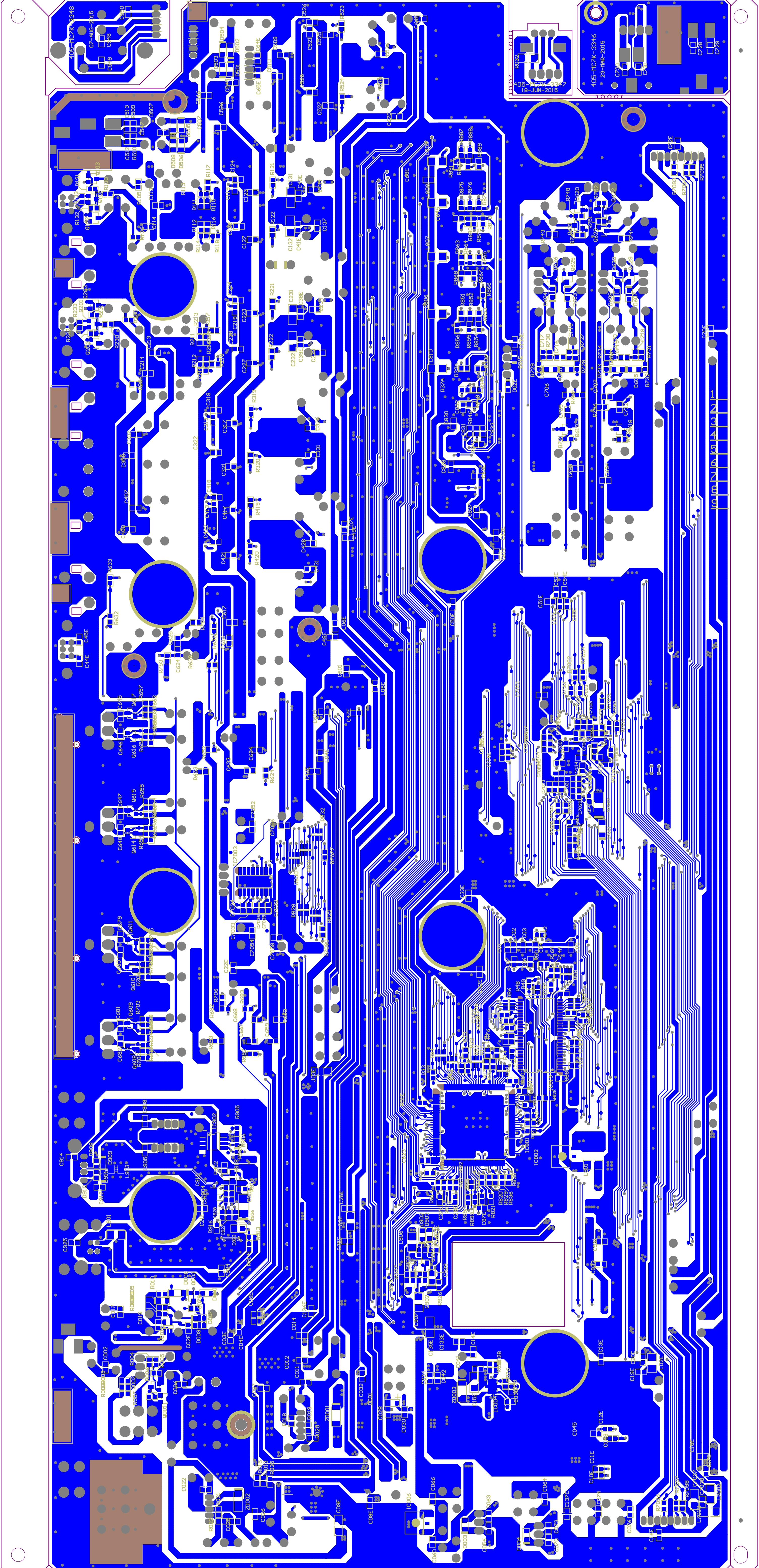


TOP VIEW



405-MC7K-3345/3346/3347/3348

IO-MAIN /PHONE/XFADER CONTOUR /MIC PCB



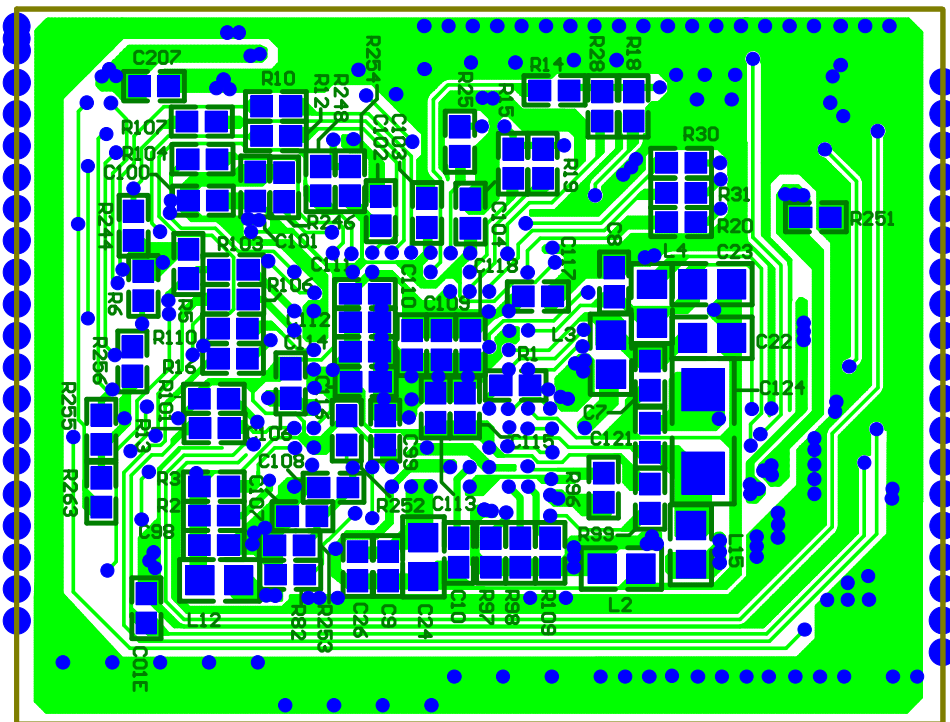


ADAPTOR PCB



405-MC7K-3349

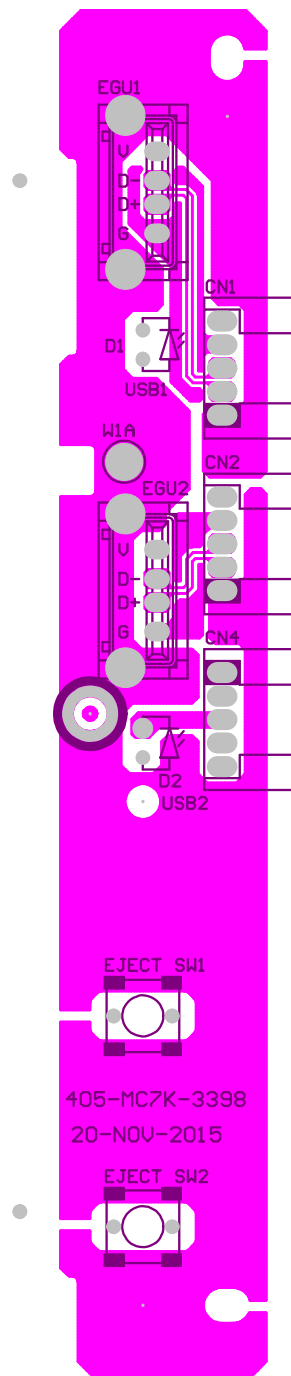
ADAPTOR PCB



BOTTOM VIEW

405-MC7K-3398

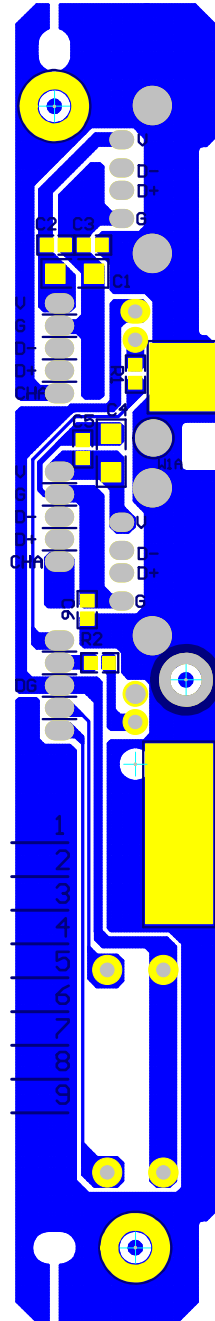
USB JCAK PCB



TOP VIEW

405-MC7K-3398

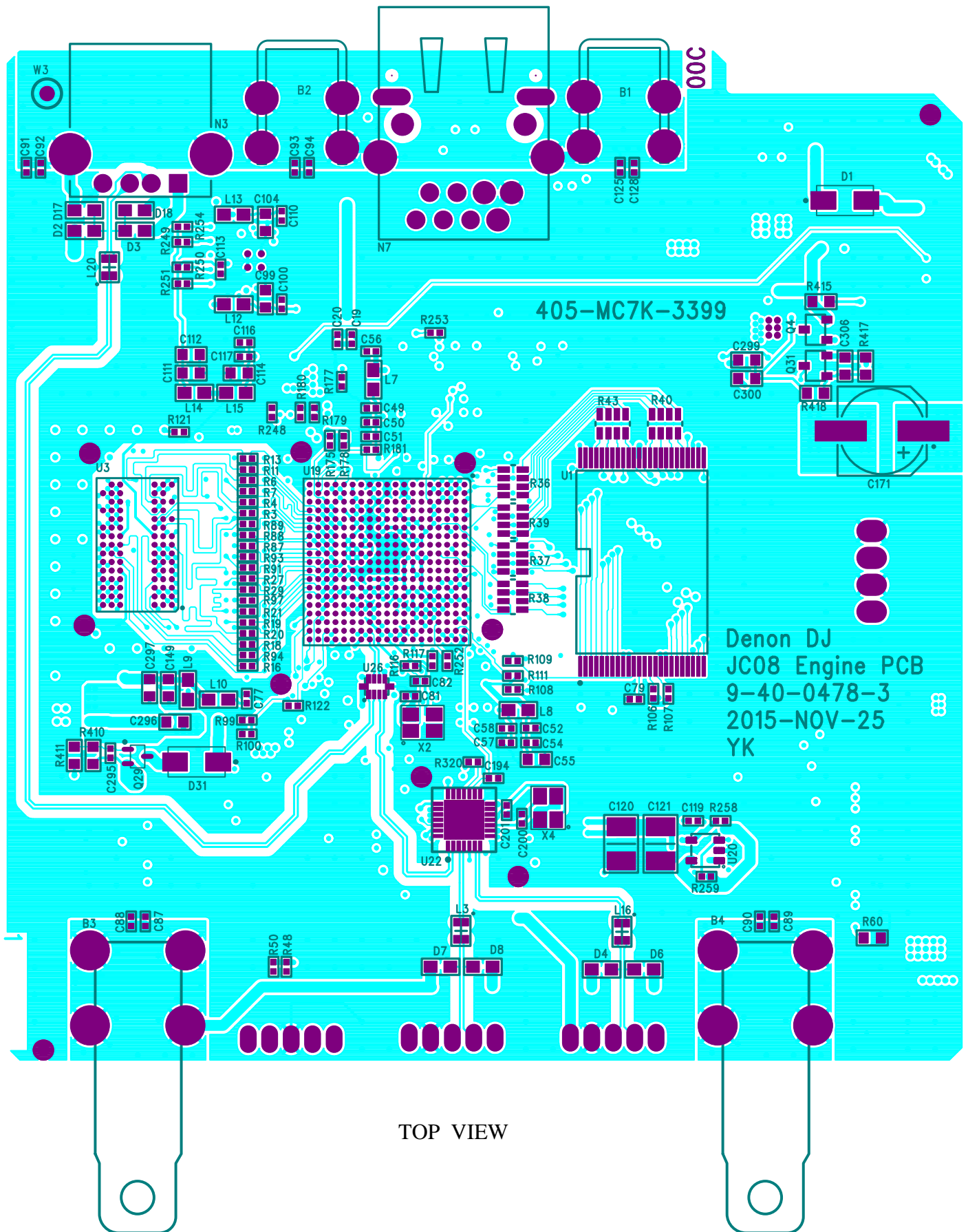
USB JCAK PCB



BOTTOM VIEW

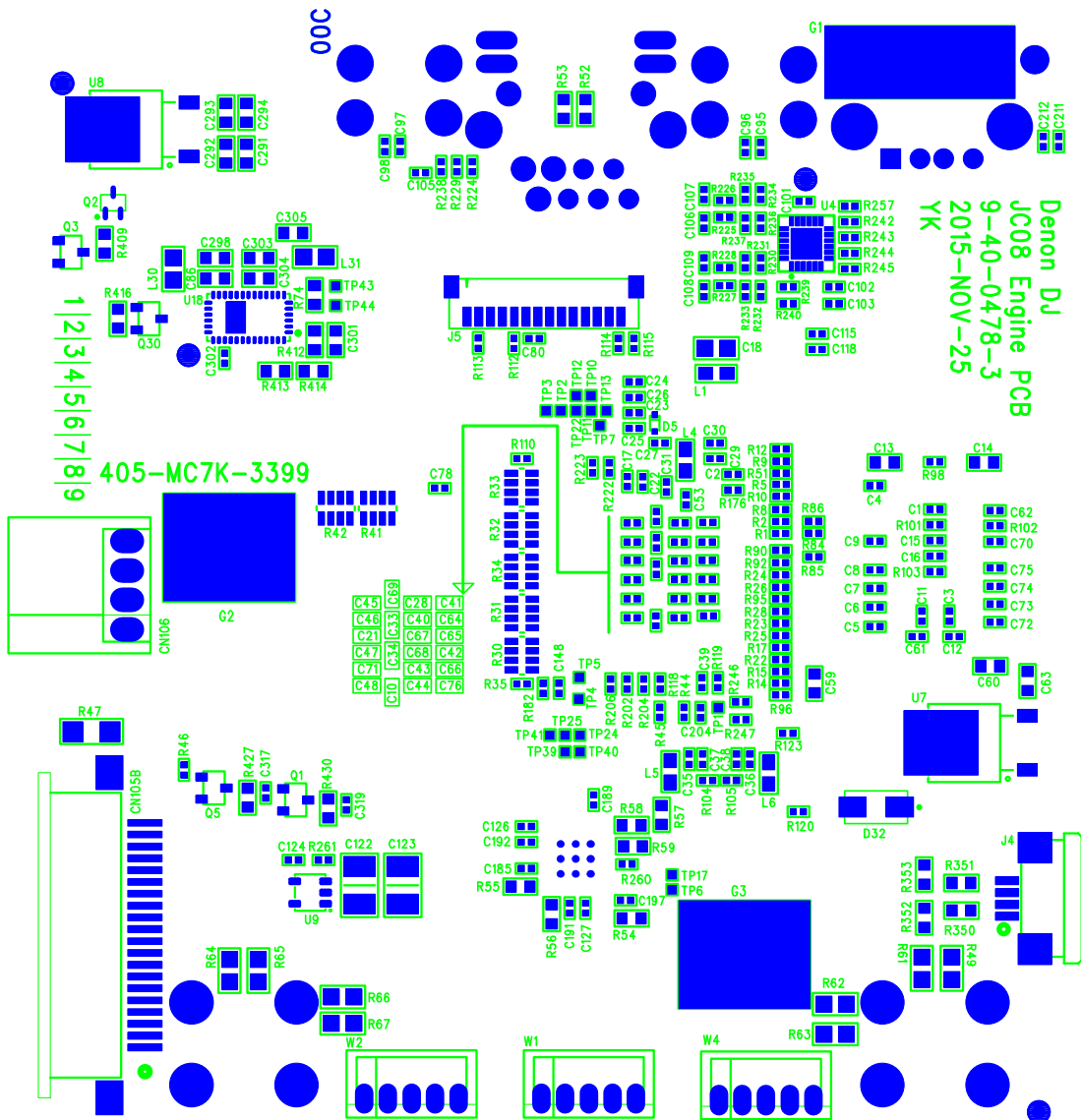
405-MC7K-3399

ENGINE PCB



TOP VIEW

ENGINE PCB

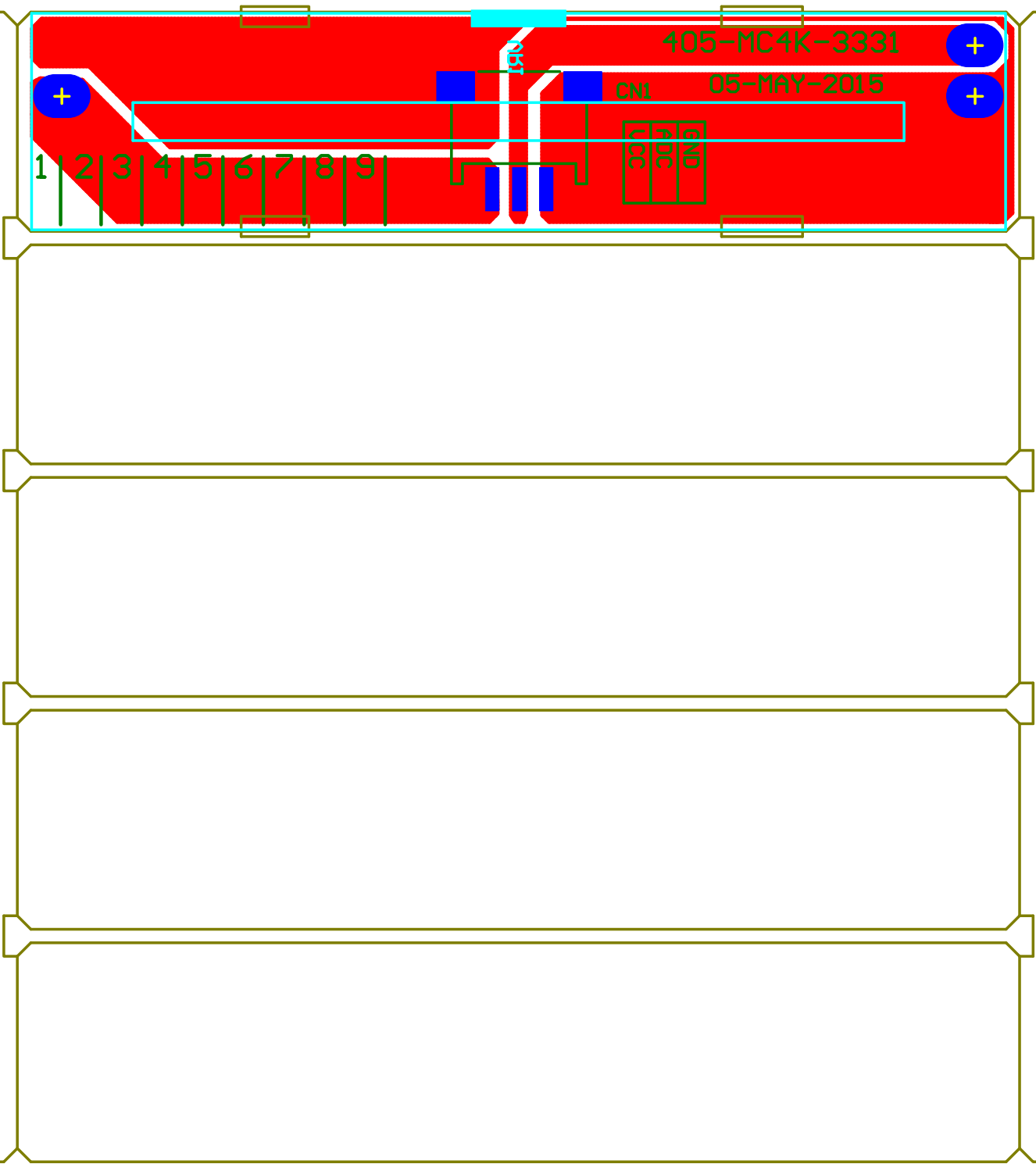


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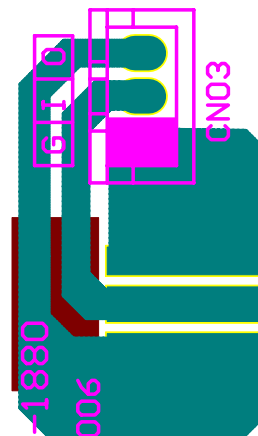
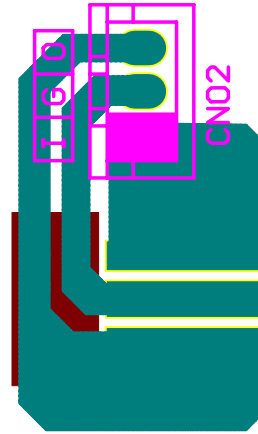
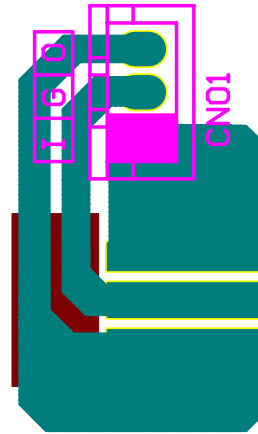


405-MC4K-3331

CORSS FADER PCB



405-MACH2-1880  
IC PCB



405-MACH2-1880  
12-SEP-2006

## 1-1 Power failure

**Symptom:** The DECK1&2 LED does not light.

**Status of The product:** The power circuit failure.

### Diagnostic procedure:

1. Connect the DC12V/5A adaptor, Turn on the power switch, as figure 1-1.
2. Check each DC voltage, measure C001 positive to ground is +12V、C033 positive to ground is AD3.3V、C035 positive to ground is DA3.3V、C013 positive to ground is AD5V、C015 positive to ground is DA5V、C043 positive to ground is +A15V、C052 negative to ground is -A15V、C061 positive to ground is M5V、C065 positive to ground is LED3.3V、C075 positive to ground is TFT3.3V-1、C077 positive to ground is TFT3.3V-2、C067 positive to ground is D3.3V、C091 positive to ground is K3.3V、C084 positive to ground is EG5V, as figure 1-1.

## 1-2 Power failure

**Symptom:** Power Switch No Function.

**Status of The product:** The power circuit failure.

### Diagnostic procedure:

1. Connect the DC12V/5A adaptor, Turn on the power switch.
2. Check if there is outputted at Q001 D of +12V, If is not, Please change Q001, as figure 1-2.

## 1-3 No key function

**Symptom:** No key function.

### Diagnostic procedure:

Measure if there is operating wave for pin of tact sw, as figure 1-3.  
If it is not, please check tact sw. status.

## 1-4 Rotary selector not controllable

**Symptom:** Rotary selector not controllable.

### Diagnostic procedure:

1. Measure if there is operating wave of TEN1A/B; TEN2A/B; TEN3A/B; TEN4A/B, Check if there is operating wave of IC501 PIN15/ PIN 16/ PIN 21/ PIN 22/ PIN 23/ PIN 24/ PIN 25/ PIN 32 for Mixer PCB, as figure 1-4.  
If it is always on high level, please check if Rotary selector is controlled.

## 1-5 Slider volume not controllable

**Symptom:** Slider volume not controllable.

### Diagnostic procedure:

Measure if there is operating wave of MCAD1/2/3/4/5, Check if there is operating wave of IC501 PIN5/ PIN6/ PIN7/ PIN43/ PIN46 for Mixer PCB, as figure 1-5.

If it is always on high level, please check if Slider volume is controlled.

### **1-6 Jog rotation can not be detected**

**Symptom:** Jog rotation can not be detected.

**Diagnostic procedure:**

Turn the jog to measure if there is operating wave for pin, Check IC7002 PIN2&PIN4&PIN8 PIN10, as figure 1-6.

### **1-7 Jog touch can not be detected**

**Symptom:** Jog touch can not be detected.

**Diagnostic procedure:**

Touch the jog to measure if it is Hi to Low for pin, Check ICW7 PIN5, as figure 1-7  
If the wave is unexpected, please check deck1 ICW7& deck2 ICW7.

### **1-8 No sound input/output from USB**

**Symptom:** Audio is not input/output.

**Diagnostic procedure:**

1. Connect PC with USB cable.
2. Is there clock 12MHz to ground IC901->PIN2&PIN3 If it is not, IC901 、X901 is damaged.
3. Is a signal input to the USB D+ & D- ? IC901 USB IN->PIN41& PIN42 , as figure 1-8
4. If it is not, IC901 is damaged.

### **1-9 No sound output from MASTER OUT**

**Symptom:** Audio is not output & MASTER level meter is not light up.

**Diagnostic procedure:**

Is a signal output to the DAC? IC601:MASTER->PIN37&PIN38&PIN39&PIN40.

- A. If it is, something is wrong with the analog -circuit block. Check if output amplifier (IC603:MASTER) is working normally. Check if each MUTE transistor (Q604~605) BASE PIN is -15V.
- B. If it is not, something is wrong with the digital-circuit block. Check if there is CLOCK signal for IC603 :MASTER->PIN6 & PIN7 & PIN9 , as figure 1-9.

### **1-10 No sound output from BOOTH**

**Symptom:** Audio is not output.

**Diagnostic procedure:**

Is a signal output to the DAC? IC601:BOOTH-> PIN41&PIN42&PIN43&PIN44.

- A. If it is, something is wrong with the analog -circuit block. Check if output amplifier (IC608) is working normally. Check if each MUTE transistor (Q608~Q611) BASE PIN is -15V.
- B. If it is not, something is wrong with the digital-circuit block. Check if there is CLOCK signal for IC601:BOOTH ->PIN6 & PIN7 & PIN8, as figure 1-10.

## 1-11 No sound output from PHONES

**Symptom:** Audio is not output.

### **Diagnostic procedure:**

Is a signal output to the DAC? IC601:PHONES-> PIN33&PIN34&PIN35&PIN36.

- A. If it is, something is wrong with the analog -circuit block. Check if output amplifier (IC610: PHONES) is working normally. Check if each MUTE transistor (Q620~Q623:PHONES)BASE PIN is -15V.
- B. If it is not, something is wrong with the digital-circuit block. Check if there is CLOCK signal for IC601 :PHONE->PIN6 & PIN7 & PIN10, as figure 1-11.

## 1-12 No sound input from MIC1

**Symptom:** Audio is not input.

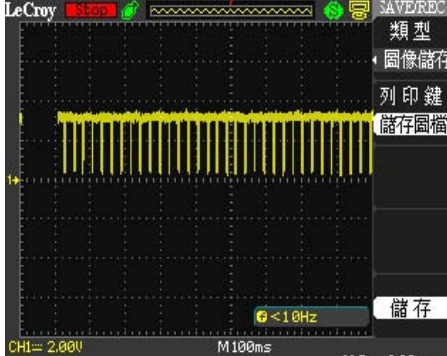

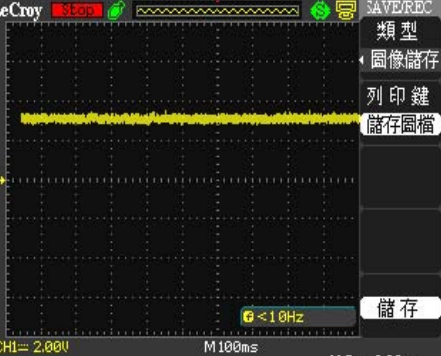
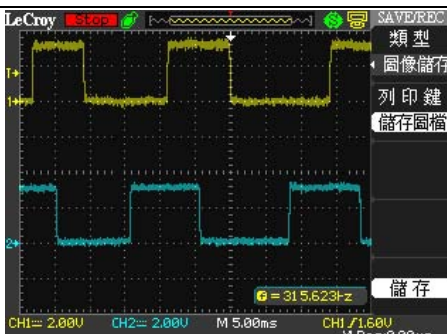
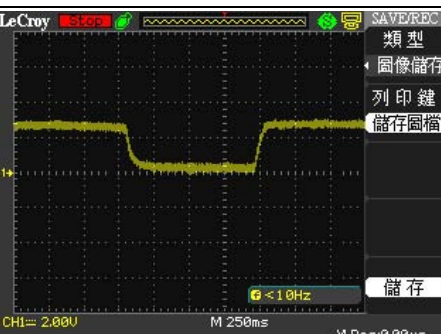
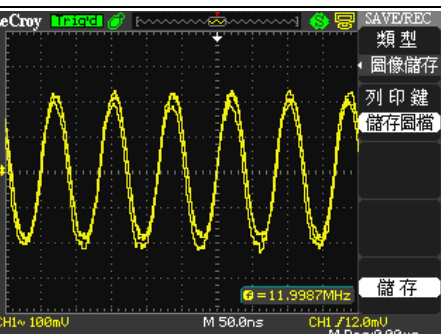
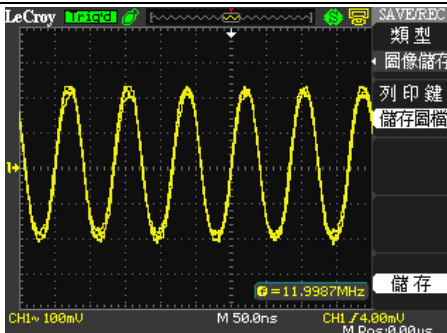
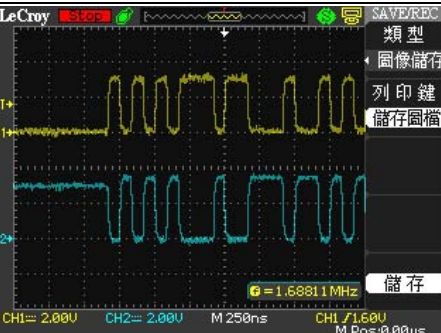
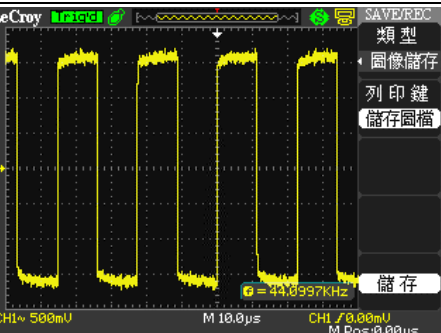
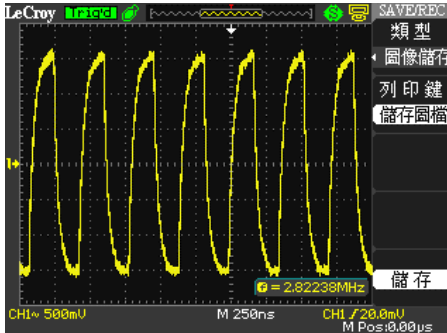
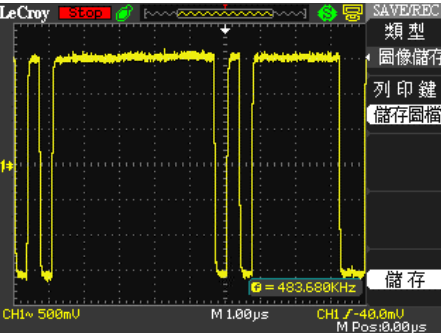
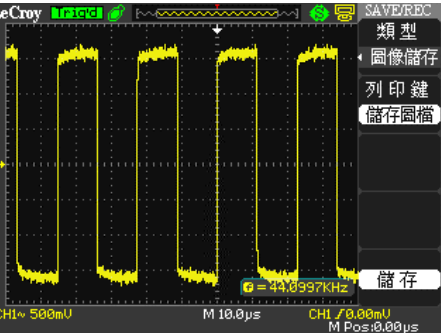
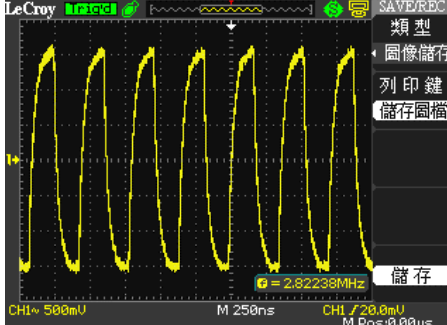
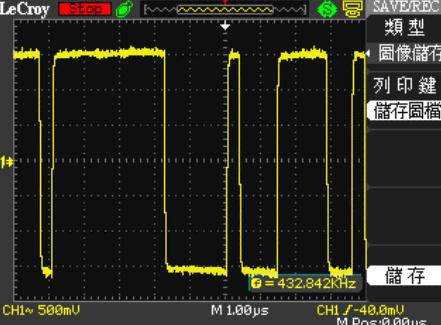
### **Diagnostic procedure:**

Is a signal input to the ADC ? MIC(IC501) ->PIN4& PIN5.

- A. If it is not, something is wrong with the analog-circuit block. Check if OPA MIC(IC502) is working normally.
- B. If it is, something is wrong with the digital-circuit block. Check if there is CLOCK signal for MIC(IC501) >PIN15 & PIN16 & PIN17 & PIN18, as figure 1-12.

<p>1-1 C001 +12V</p>	<p>1-1 C033 AD3.3V</p>	<p>1-1 C035 DA3.3V</p>
<p>1-1 C013 AD5V</p>	<p>1-1 C015 DA5V</p>	<p>1-1 C043 +A15V</p>
<p>1-1 C052 -A15V</p>	<p>1-1 C061 M5V</p>	<p>1-1 C065 LED3.3V</p>
<p>1-1 C075 TFT3.3V-1</p>	<p>1-1 C077 TFT3.3V-2</p>	<p>1-1 C067 D3.3V</p>
<p>1-1 C091 K3.3V</p>	<p>1-1 C084 EG5V</p>	<p>1-2 Q001 D極 +12V</p>



<p>1-3 TACT SW PIN</p> 	<p>1-4 ROTARY ENCODER PIN</p> 	<p>1-5 SLIDER VOLUME PIN</p> 
<p>1-6 JOG ROTATION PIN</p> 	<p>1-7 JOG TOUCH PIN</p> 	<p>1-8 IC901 PIN2</p> 
<p>1-8 IC901 PIN3</p> 	<p>1-8 IC901 PIN41&amp;PIN42</p> 	<p>1-9 IC601 PIN6</p> 
<p>1-9 IC601 PIN7</p> 	<p>1-9 IC601 PIN9</p> 	<p>1-10 IC601 PIN6</p> 
<p>1-10 IC601 PIN7</p> 	<p>1-10 IC601 PIN8</p> 	<p>1-11 IC601 PIN6</p> 