

DJ MIXER

MX 300

SERVICE MANUAL



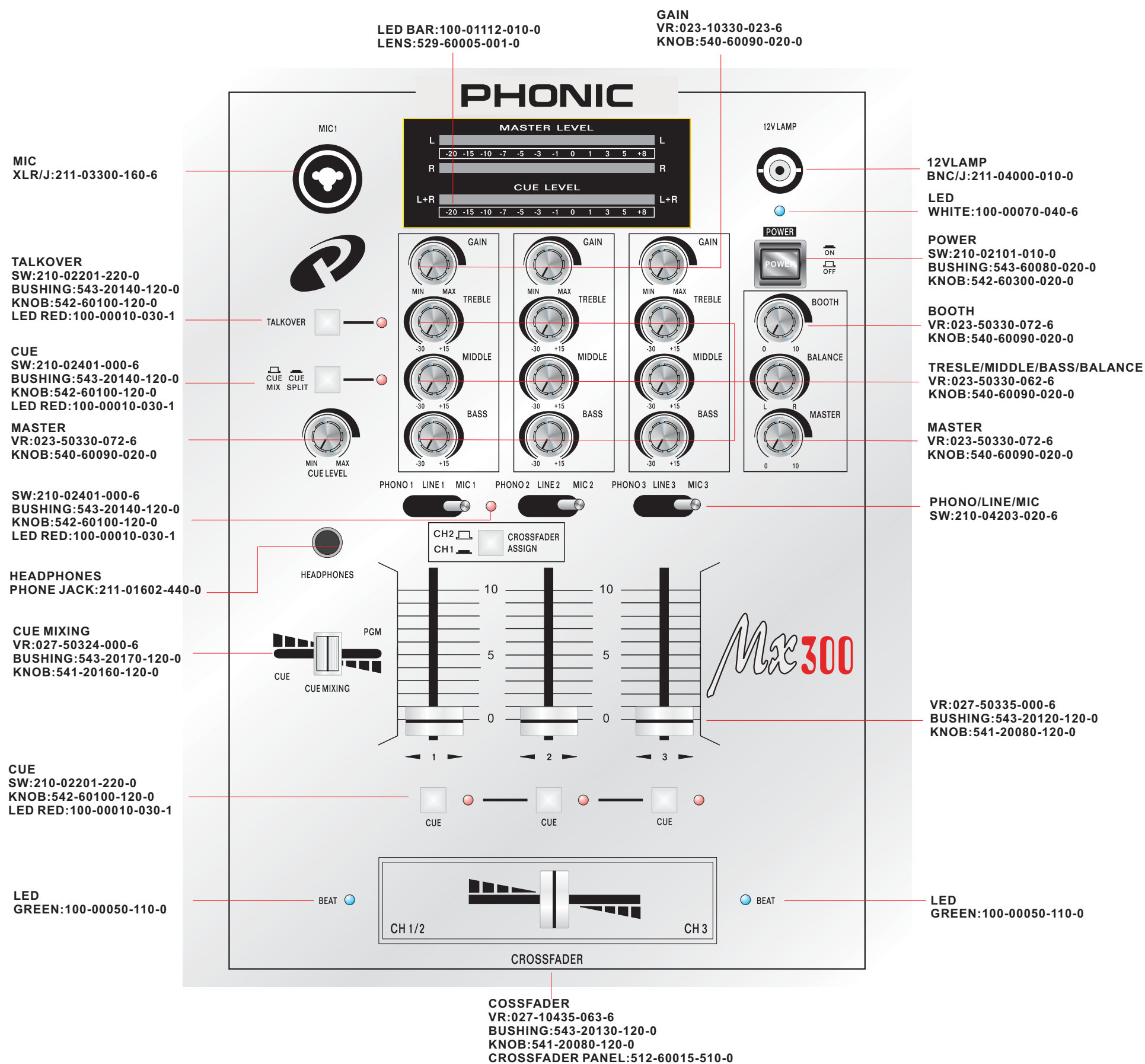
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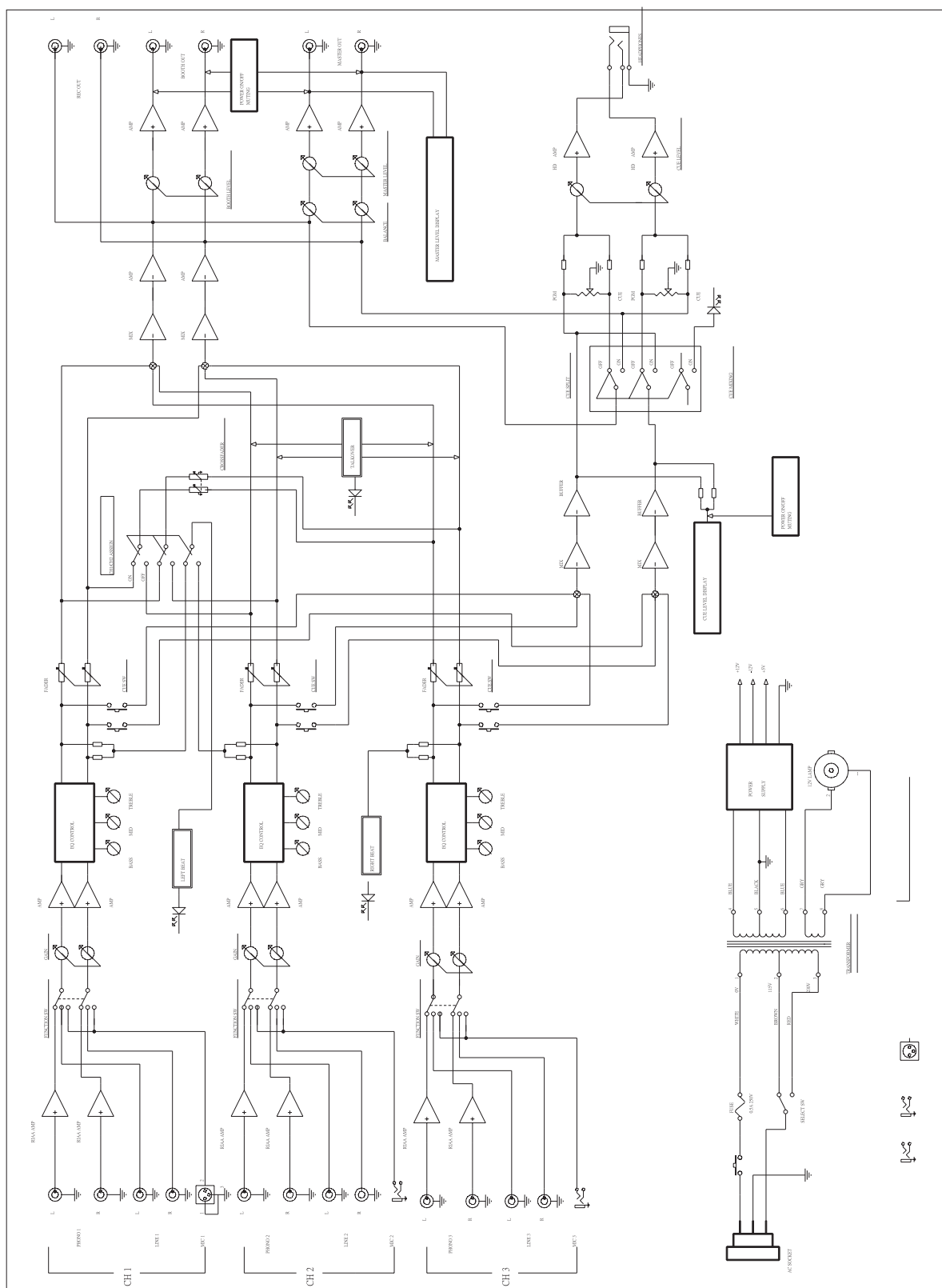
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V2.1 28/01/03

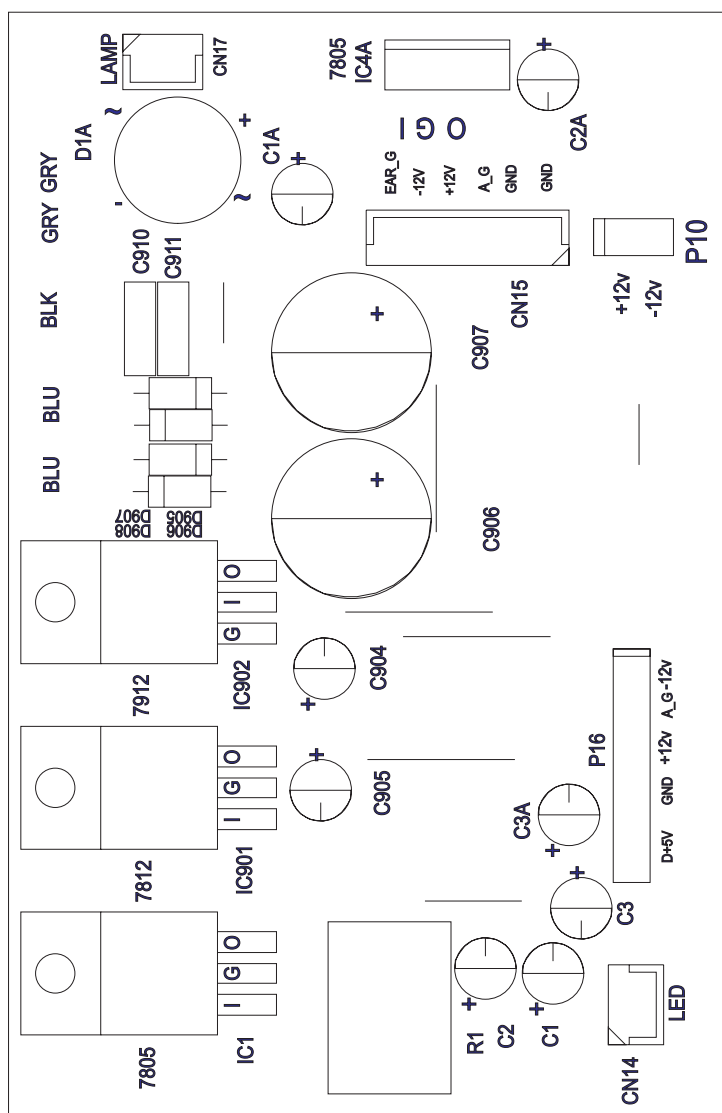


SYSTEM BLOCK DIAGRAM

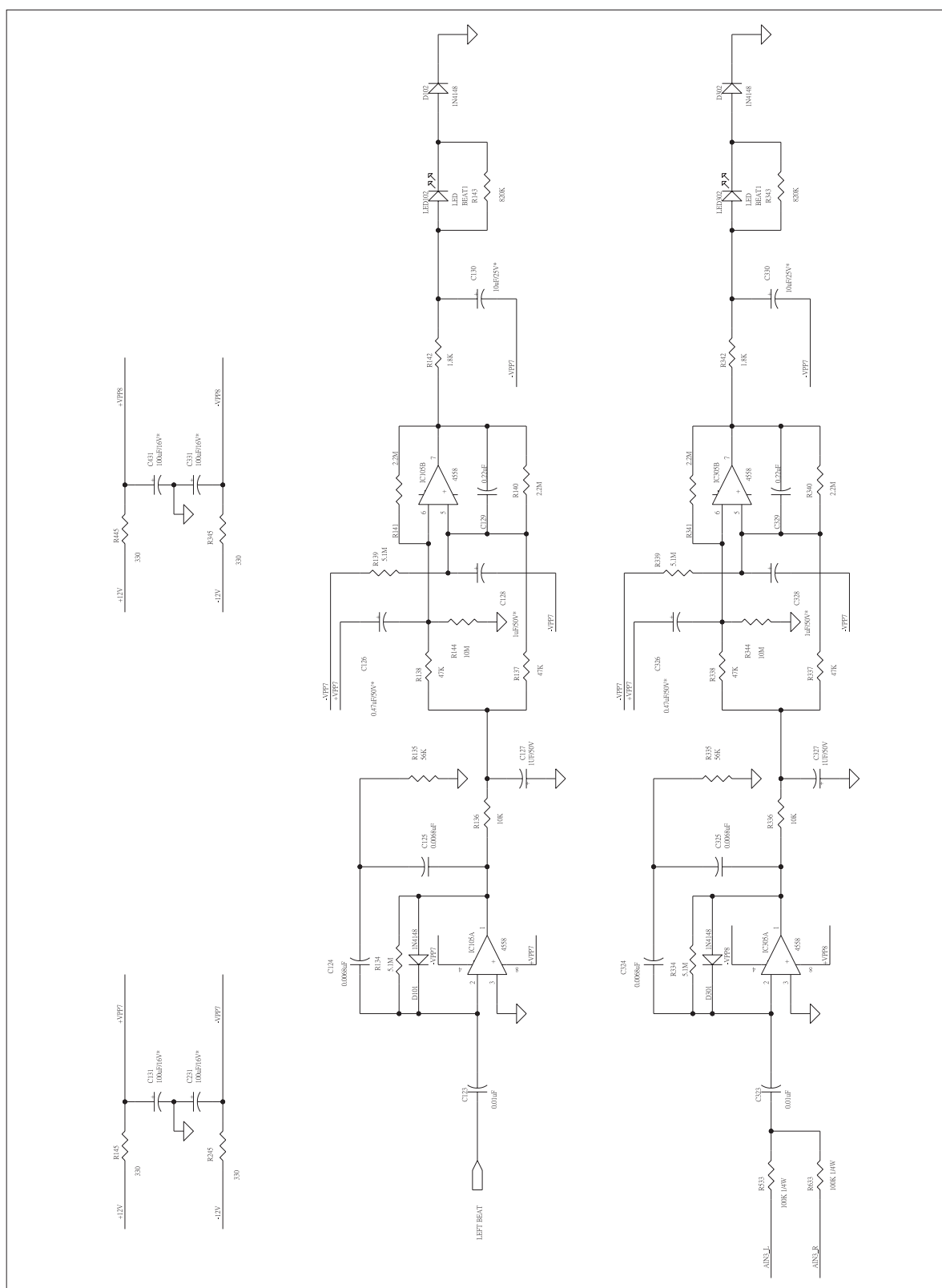


The schematic diagram illustrates the internal circuitry of the DM3010 PCB-C REA-A. It features a central IC101, surrounded by numerous resistors (R), capacitors (C), and integrated circuits (IC). The layout includes several connectors (J101, J102, J103, J104, J301, J302) and a complex network of signal and power lines. Key components include IC101, IC102, IC103, IC104, IC105, IC106, IC107, IC108, IC109, IC110, IC111, IC112, IC113, IC114, IC115, IC116, IC117, IC118, IC119, IC120, IC121, IC122, IC123, IC124, IC125, IC126, IC127, IC128, IC129, IC130, IC131, IC132, IC133, IC134, IC135, IC136, IC137, IC138, IC139, IC140, IC141, IC142, IC143, IC144, IC145, IC146, IC147, IC148, IC149, IC150, IC151, IC152, IC153, IC154, IC155, IC156, IC157, IC158, IC159, IC160, IC161, IC162, IC163, IC164, IC165, IC166, IC167, IC168, IC169, IC170, IC171, IC172, IC173, IC174, IC175, IC176, IC177, IC178, IC179, IC180, IC181, IC182, IC183, IC184, IC185, IC186, IC187, IC188, IC189, IC190, IC191, IC192, IC193, IC194, IC195, IC196, IC197, IC198, IC199, IC200, IC201, IC202, IC203, IC204, IC205, IC206, IC207, IC208, IC209, IC210, IC211, IC212, IC213, IC214, IC215, IC216, IC217, IC218, IC219, IC220, IC221, IC222, IC223, IC224, IC225, IC226, IC227, IC228, IC229, IC230, IC231, IC232, IC233, IC234, IC235, IC236, IC237, IC238, IC239, 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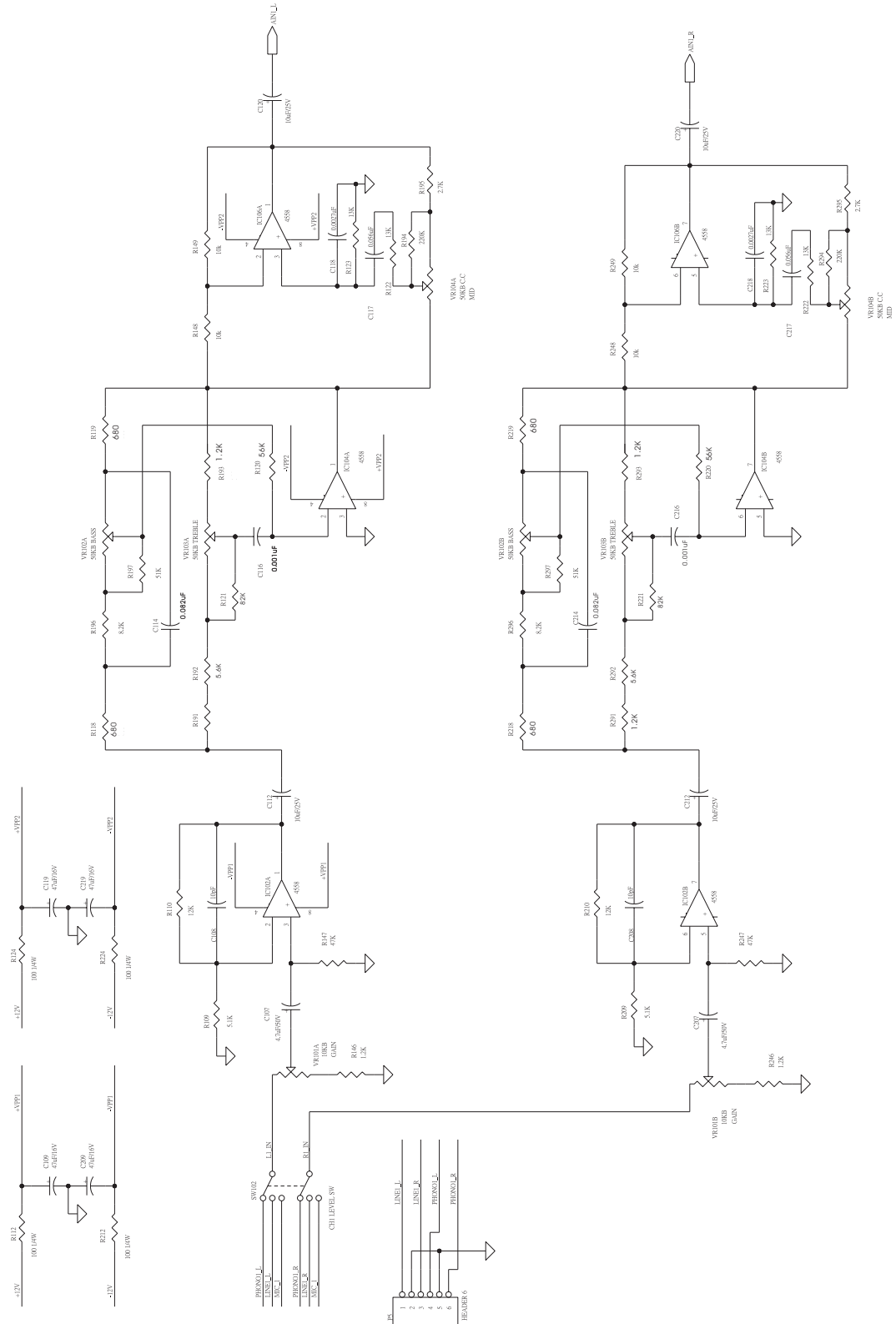
POWER PCB



CH1_2 BEAT SCHEMATIC



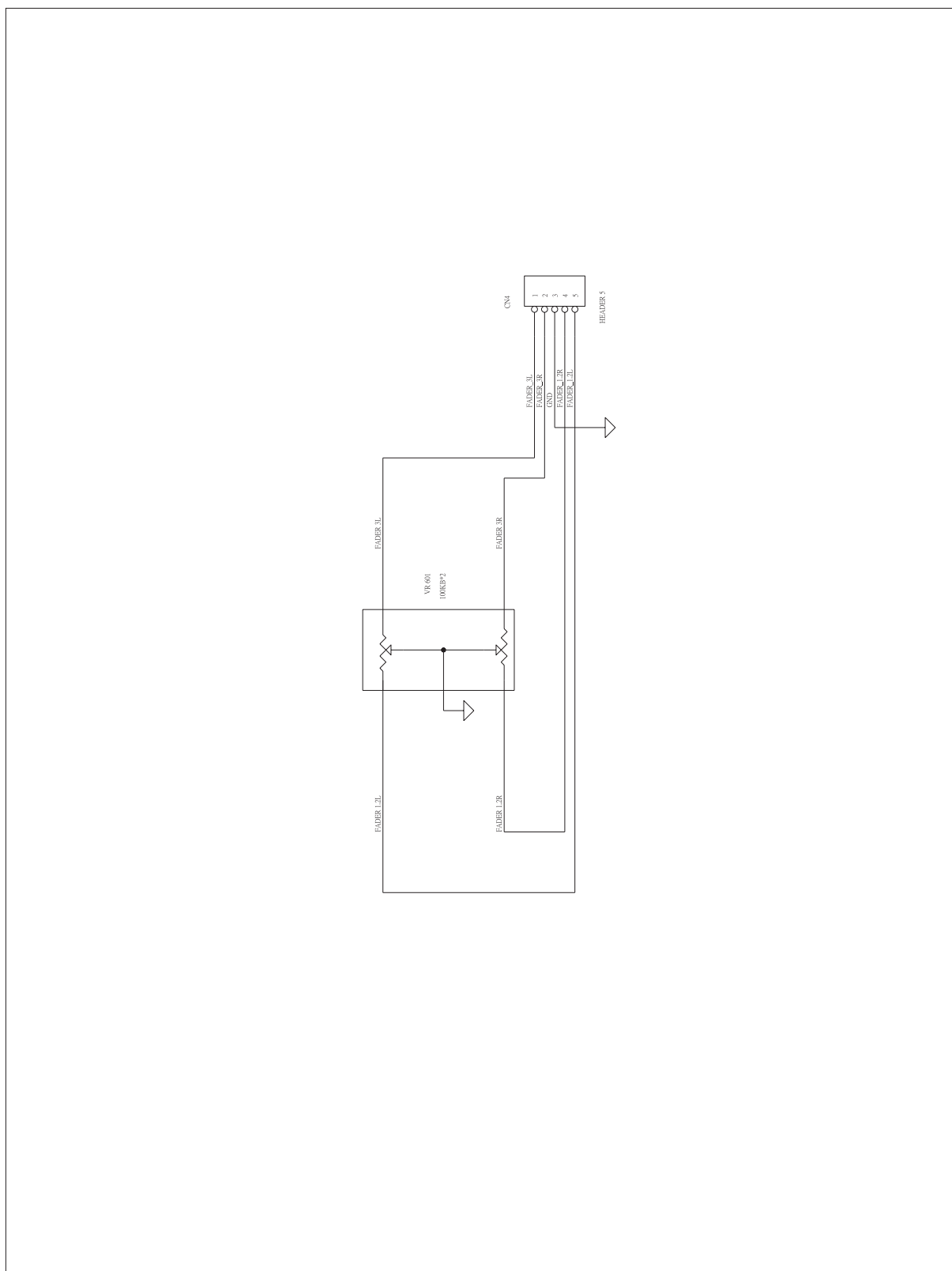
CH_1 TONE SCHEMATIC



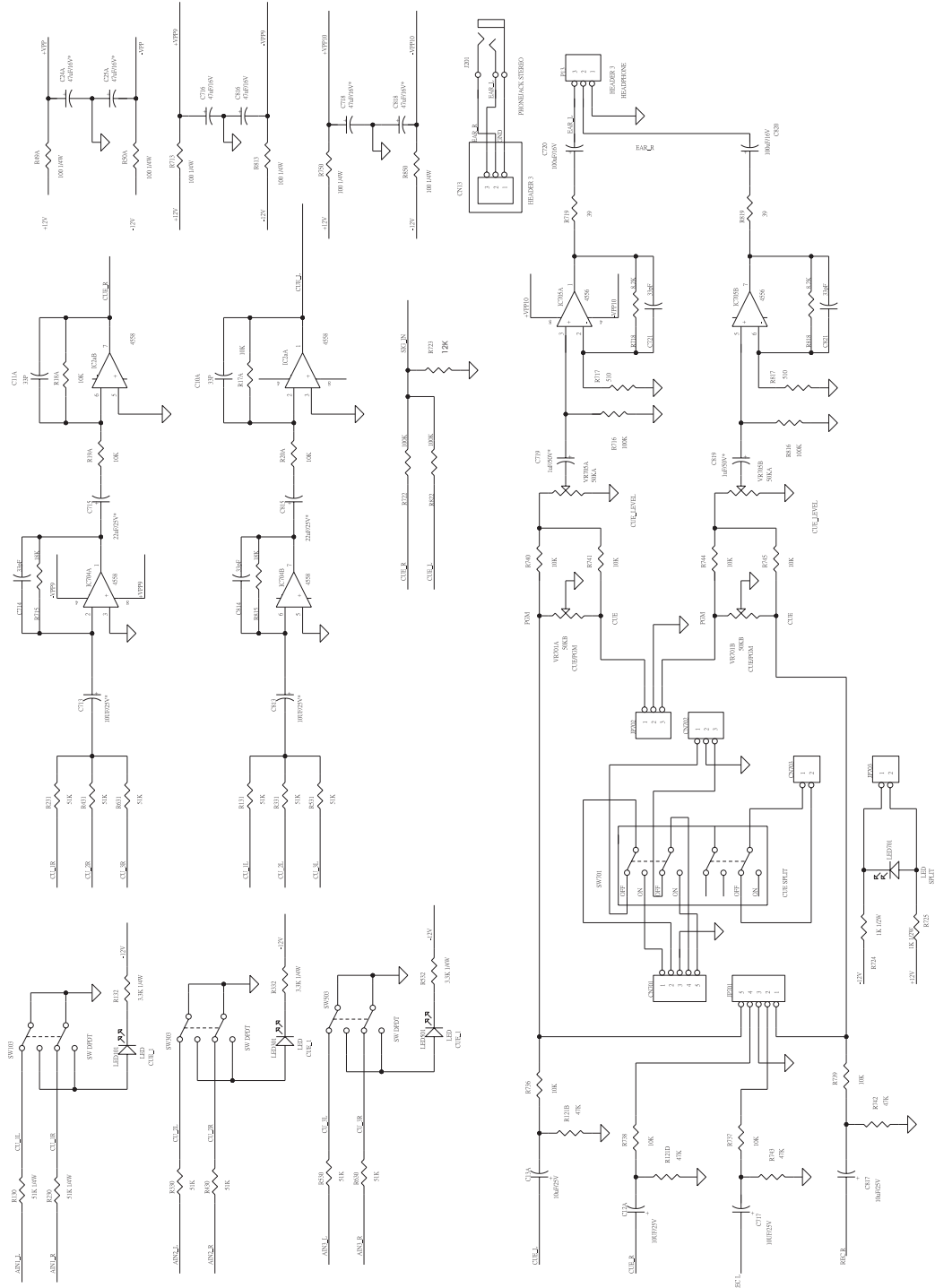
PHONIC CORPORATION



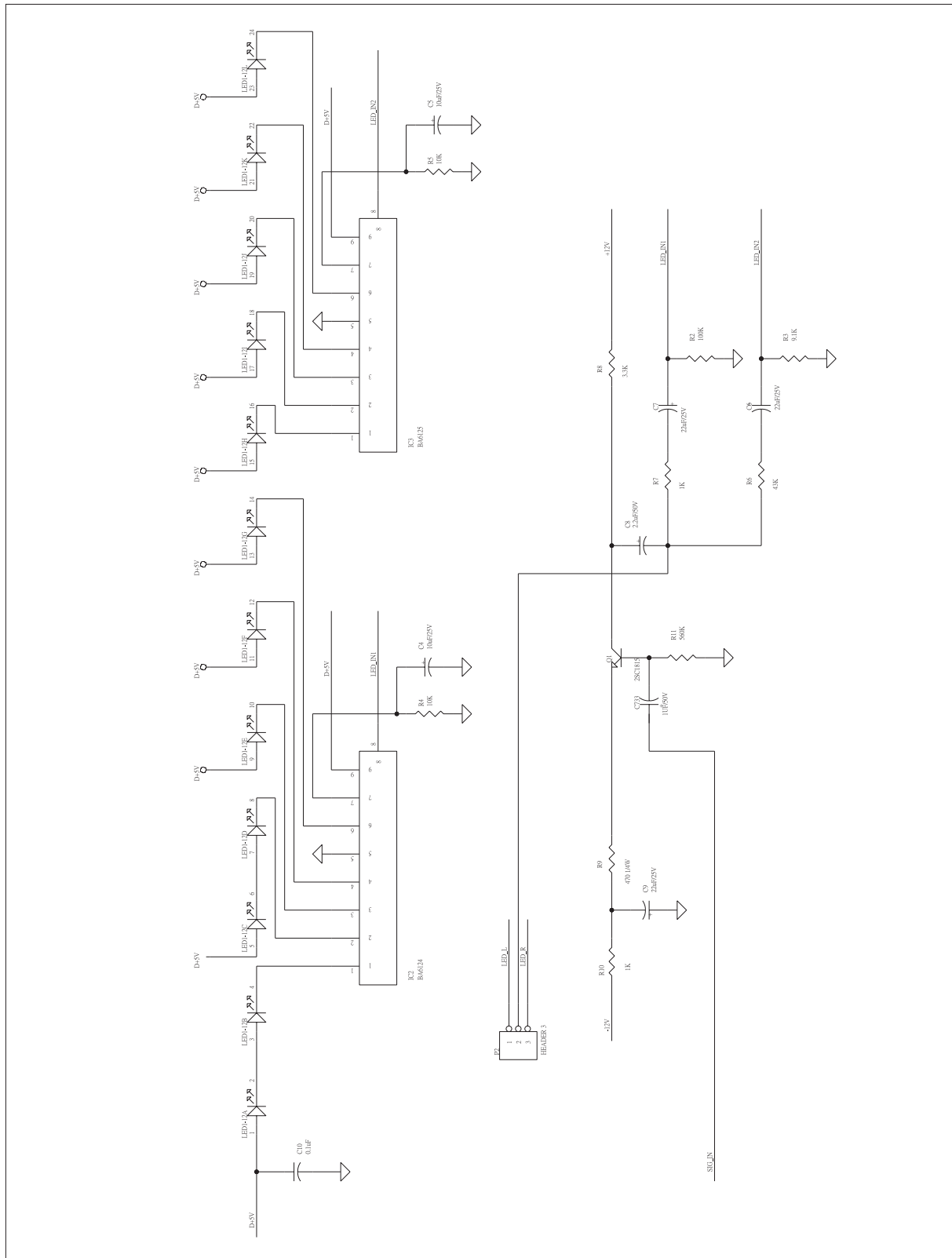
CROSSFADER SCHEMATIC



CUE OUTPUT SCHEMATIC



CUE DISPLAY SCHEMATIC

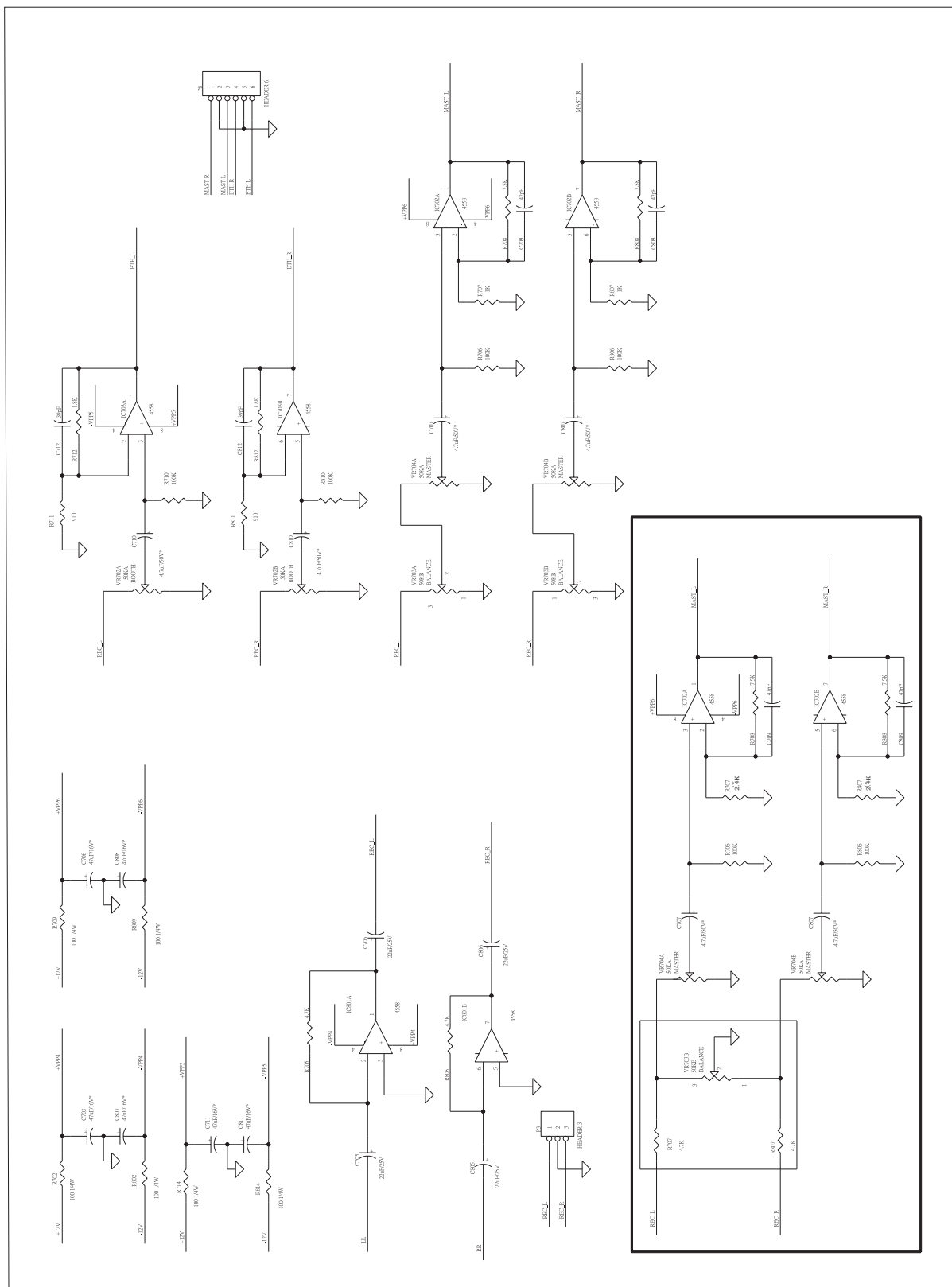


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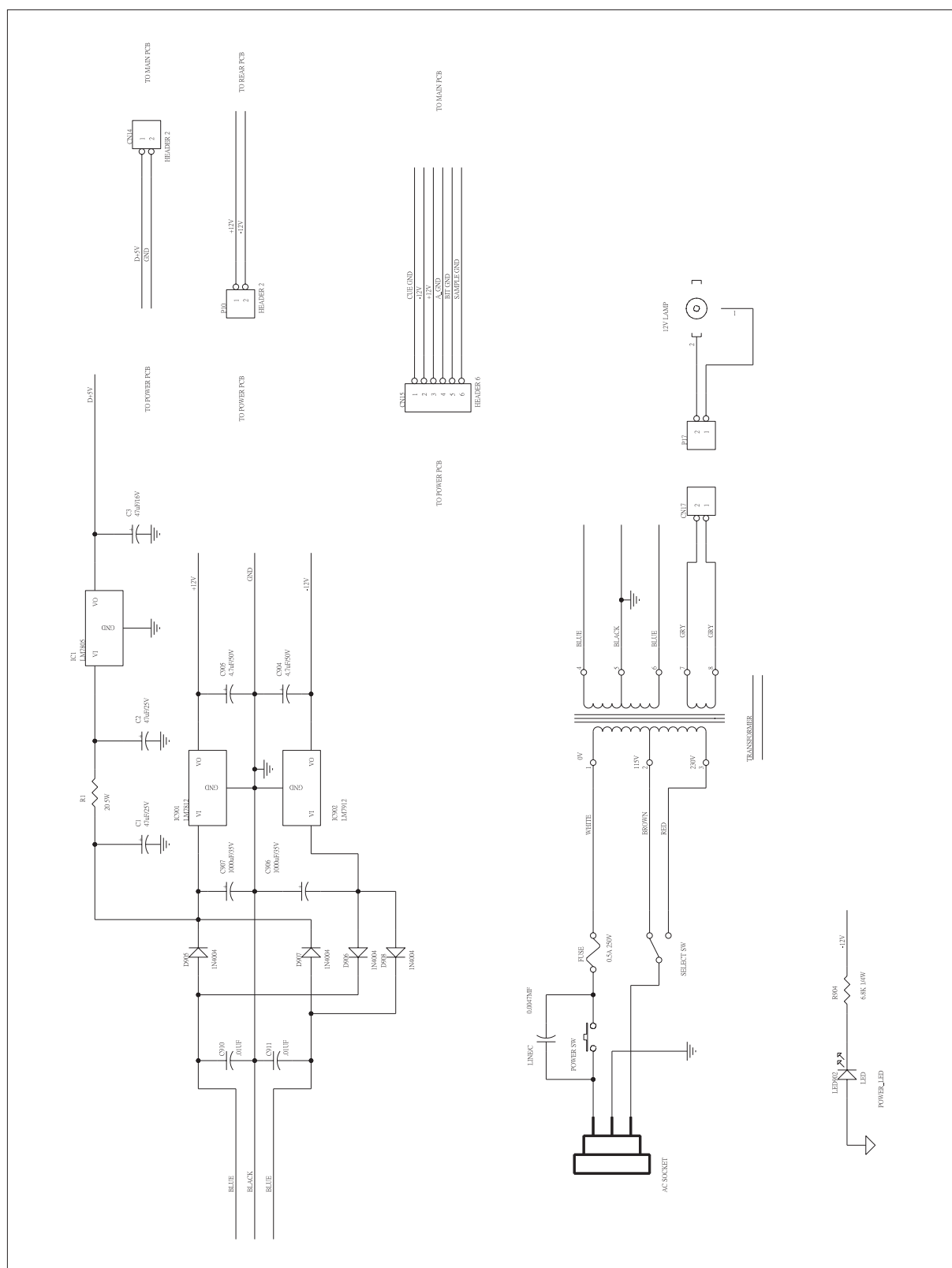
PHONIC CORPORATION



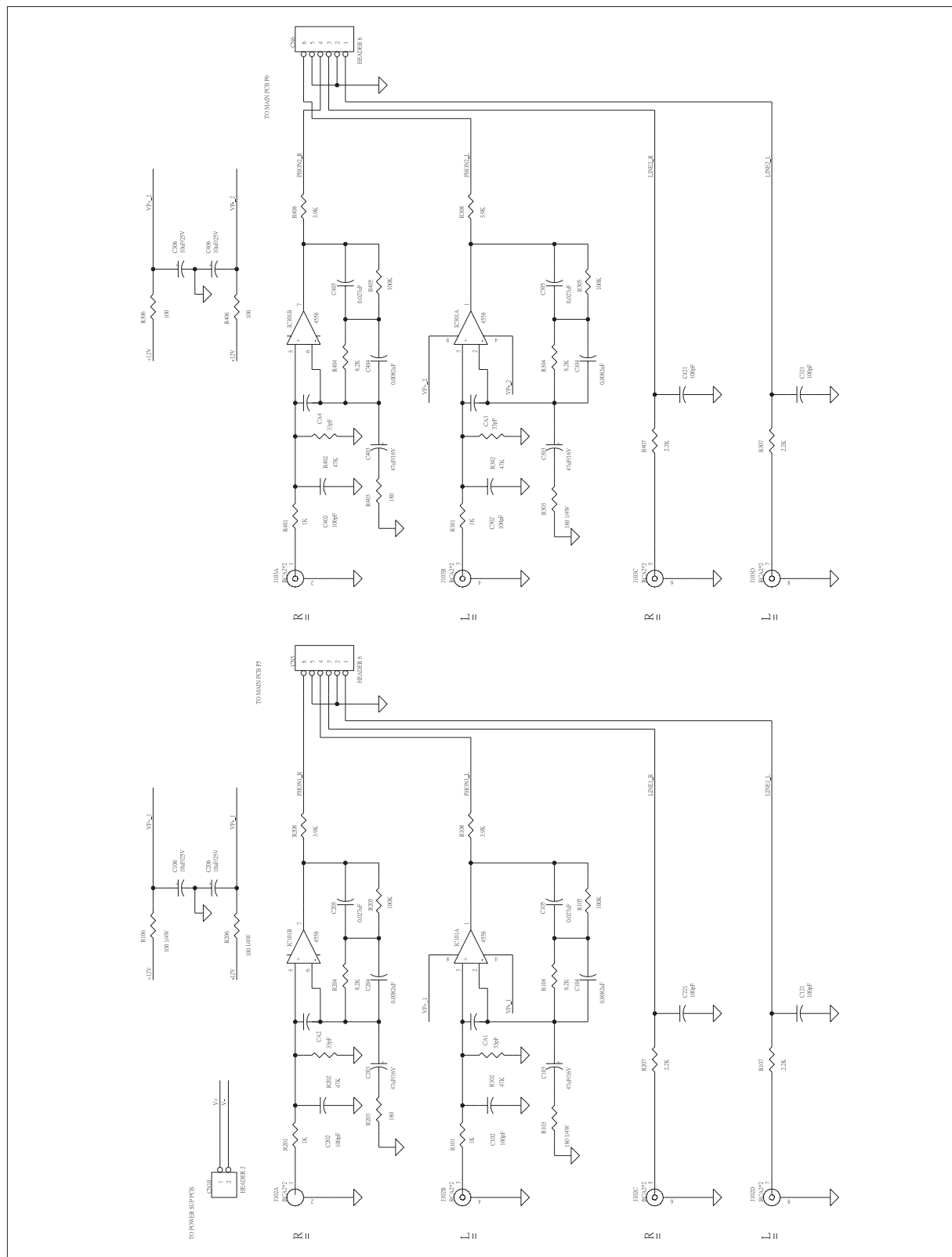
REC/BTH/MAST SCHEMATIC



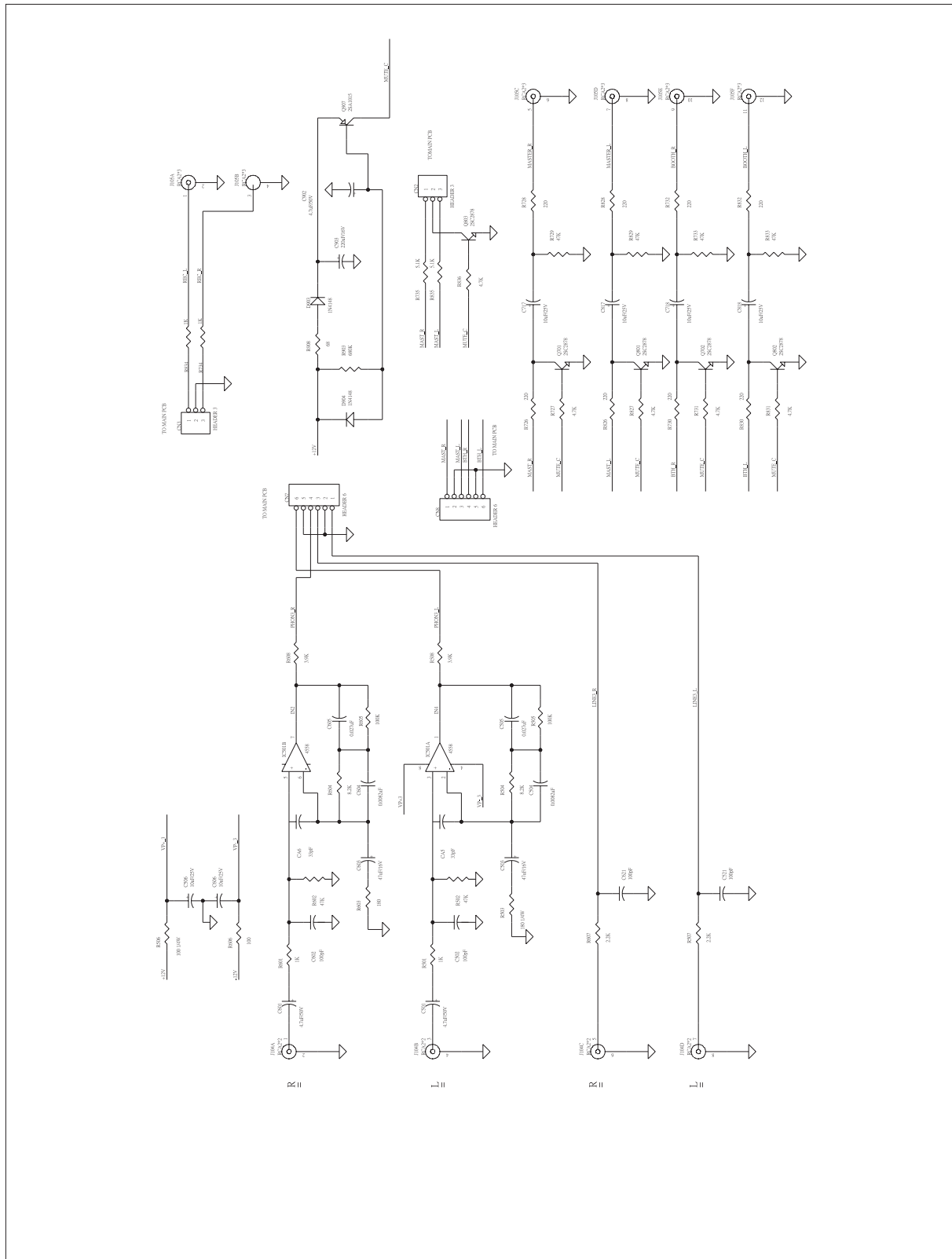
Mx300 SERVICE MANUAL



CH_1_2 INPUT SCHEMATIC



CH_3 INPUT & OUTPUT SCHEMATIC



MAIN PCB-PART LIST

Ref.	Phonic No.	Specificatin
R134A.B.724.725	000-10236-400-0	CF RES. 1K J 0.5W T
R710	000-10406-400-0	CF RES. 100K J 1/8W T
R712	000-18206-400-0	CF RES. 1K8 J 1/8W T
R194.394.594	000-22406-400-0	CF RES. 220K J 1/8W T
R708	000-75206-400-0	CF RES. 7K5 J 1/8W T
R711	000-91106-400-0	CF RES 910 J 1/8 W T
VR101.301.501	023-10330-023-6	D.ROT/VR 10KB 20MMP
VR102.103.104.302.303.304.5 02.503.504.703	023-50330-062-6	D.ROT/VR 50KB 20MMP C.C
VR702.704.705	023-50330-072-6	D.ROT/VR 50KA 20MMP
VR701	027-50324-000-6	D.SLD/VR 50KB 30mm P
VR105.305.505	027-50335-000-6	D.SLD/VR 15A50K*2 45mm P
C710	035-47556-0A0-0	MINI E/C 4.7MF M 50V T
C129.329	040-22426-100-0	ML/C 0.22MF M 50V P5 T
C712	042-39024-050-0	C/C2 39PF J 50V 5 T
C 709	042-47025-050-0	C/C2 47PF K 50V 5 T
D101.102.301.302	090-02000-020-0	DIODE 1N4148 T
LED101.201.301.501.701.901	100-00010-030-1	LED SE 3011 RED 3MM (HIGH LIGHT)
LED102.302	100-00050-110-0	LED EL204GT GREEN 3D HIGH LIGHT
LED902	100-00070-040-6	LED BLUE D3 BODY WHITE
LED1-12.LED-801-12.LED701- 12	100-01112-010-0	LED BAR LA10B/3H+2Y+7G
IC2	160-00014-600-0	IC AN6884 PANA SONIC
IC105.305. 703.701.801. 704. 503. 102. 104. 302. 304. 702. 504. 502. 106. 306. 506. 2A	160-00017-900-0	IC NJM4558LD JRC
IC705	160-00018-000-0	IC NJM4556AL JRC
IC3	160-00018-100-0	IC BA6125
IC706	160-00018-200-0	IC BA6822S
SW103.303.503.901	210-02201-220-0	PSH/SW SPEC12HC01-PJ
SW701.702	210-02401-000-6	PUSH/SW PS-9C2-042-18A
SW102.302.502	210-04203-020-6	LEVEL/SW TS-23EOI-CB18(T)
	211-01602-440-0	6D3 PHONE JACK RHJ-23-S DM3010
JK8	211-03300-160-6	XLR/J SKCA229-1K3F2

MAIN PCB-PART LIST

Ref.	Phonic No.	Specificatin
CN703.709	211-10021-161-0	2P WAFER/S TJC3-2A P=2.5MM 180 DEGREE
CN1	211-10021-190-0	2P WAFER/S A2501WR2-2P 90 DEGREE P=2.5MM
CN13.702.707	211-10031-171-0	3P WAFER/S TJC3-3A PH=2.5MM 180 DEGREE
CN708.701	211-10051-151-0	5P WAFER/S TJC3-5A PH=2.5MM 180 DEGREE
P14	212-10021-020-6	2P WAFER/P 300MM UL1007#24 P=2.5MM
J P1.JP703	212-10021-040-6	2P WAFER/P 80MM UL1007#24 P=2.5MM
JP709	212-10023-030-0	2P WAFER/P 110MM (PITCH=2.5MM.TIP5MM)
P13	212-10031-020-6	3P WAFER/P 100MM UL1007#24 PH=2.5MM
JP707	212-10032-210-0	3P WAFER/P 70MM UL1007#24 PITCH=2.5MM
P2.P3	212-10032-250-0	3P WAFER/P 170MM BLK (UL2468 #26)
JP702.710	212-10032-360-0	3P WAFER/P 130MM
JP4-1.JP4-2	212-10051-070-6	5P WAFER/P 3PIN+2PIN UL1007 #24 160MM
P9	212-10051-140-0	5P WAFER/P 140MM BLK (UL2468 #26)
JP708	212-10051-150-0	5P WAFER/P 110MM BLK (UL1007#24
JP701	212-10051-190-0	5P WAFER/P 150MM (PITCH=2.5MM)
P5.6.7.15	212-10061-190-0	6P WAFER/P 180MM BLK (UL2468 #26)
P8	212-10061-200-0	6P WAFER/P 290MM BLK (UL2468 #26)
	321-00000-070-0	CABLE TIE HW-100MM
C3	379-01101-110-0	M.WIRE UL1007 #26 100MM BWN
C6	379-01101-160-0	M.WIRE UL1007 #26 100MM

MAIN PCB-PART LIST

Ref.	Phonic No.	Specificatin
C5	379-01121-130-0	M.WIRE UL1007 #26 120MM ONG
C1.L-L	379-01121-141-0	M.WIRE UL1007 #26 120MM YLW
D3	379-01141-101-0	M. WIRE UL 1007#26 140MM BLK
D4	379-01141-120-0	M.WIRE UL1007 #26 140MM RED
B2.4.6.E5-E5	379-01600-181-0	M.WIRE UL1007 #26 60MM GRY
A1.3.5	379-01700-100-0	M.WIRE UL1007 #26 70MM BLK
A2.4.6	379-01700-110-0	M.WIRE UL1007 #26 70MM BWN
B1.3.5.C4.R-R	379-01900-130-0	M.WIRE UL1007 #26 90MM ONG
C2	379-01900-197-0	M.WIRE UL1007 #26 90MM WHT
	379-02600-110-0	M.WIRE UL1007 #24 60MM BRN
	382-20005-010-0	TINNER WIRE 5.0MM D0.6
	382-20010-010-0	TINNER WIRE 10MM D0.6
D5.6	385-02140-310-0	2P M.RIBBON WIRE 2468#26 BLK:140MM
P12	385-02191-220-0	2P M.RIBBON WIRE 190MM
P10A-P10B	385-03140-200-0	3P M.RIBBON WIRE 2468#26 BLK 140MM
LED902	610-00300-516-0	FIBER WAS. D3*D8*0.5 RED
LED BAR*6	615-10080-620-0	LED BOSS L=7.5 (LED-7.5)
FOR LED	615-60021-620-0	LED BOSS L=16 LED-16
R112.212.312.412.512.612.70 2.802.516.616	000-10106-400-0	CF RES. 100 J 1/8W T
R124.224.324.424.624.801.71 3.813.814.850.809.709.49A.50 A.701.714.750.524	000-10126-400-0	CF RES. 100 J 0.25W T
R10	000-10206-400-0	CF RES. 1K J 1/8W T

MAIN PCB-PART LIST

Ref.	Phonic No.	Specificatin
R5.4.136.336.148.248.348.448 .548.648.14.249.349.449.549. 649.736.737.19A.20A 9	000-10306-400-0	CF RES. 10K J 1/8W T
R738-741.R744.745	000-10306-400-1	
R633.706.806.810.722.822.81 6.716	000-10406-400-0	CF RES. 100K J 1/8W T
R133.233.333.433.533	000-10426-400-0	CF RES. 100K J 0.25W T
R144.344	000-10606-400-0	CF RES 10M J 1/8W T
R146.246.346.446.546.646.19 1.291.391.491.591.691.193.29 3.393.493.593.693	000-12206-400-0	CF RES. 1K2 J 1/8W T
R329.127.227.327.427.429.12 9.229.529.52.627.629.110.210. 310.410.510.610.718.8187	000-12306-400-0	CF RES. 12K J 1/8W T
R723	000-12306-400-1	
R122.222.322.422.522.622.12 3.223.323.42.523.6233	000-13306-400-0	CF RES. 13K J 1/8W T
R514	000-15206-400-0	CF RES. 1K5 J 1/8W T
R328.812.142.342.428.528.62 8	000-18206-400-0	CF RES. 1K8 J 1/8W T
R815.715	000-18306-400-0	CF RES. 18K J 1/8W T
R754-759	000-22026-400-0	CF RES. 22 J 0.25W T
R513	000-22206-400-0	CF RES. 2K2 J 1/8W T
R761.861.760.860.	000-22226-400-0	F RES. 2K2 J 0.25W T
R226.426.126.326.526.626	000-22306-400-0	CF RES. 22K J 1/8W T
R517.294.494.694	000-22406-400-0	CF RES. 220K J 1/8W T
R141.140.340.341	000-22506-400-0	CF RES. 2M2 J 1/8W T
R707.807	000-24206-400-0	CF RES 2K4 J 1/8W T
R195.295.395.495.595.695	000-27206-400-0	CF RES. 2K7 J 1/8W T
R145.245.345.445	000-33106-400-0	CF RES. 330 J 1/8W T
R8	000-33206-400-0	CF RES. 3K3 J 1/8W T
R132.332.532.	000-33226-400-0	CF RES. 3K3 J 0.25W T
R703.803	000-36306-400-0	CF RES. 36K J 1/8W T
R719.819	000-39006-400-0	CF RES. 39 J 1/8W T
R753	000-39306-400-0	CF RES. 39K J 1/8W T
R17A.18A	000-43306-400-0	CF RES. 43K J 1/8W T
R9	000-47126-400-0	CF RES. 470 J 0.25W T

MAIN PCB-PART LIST

Ref.	Phonic No.	Specificatin
R700.800.705.805.704.804	000-47206-400-0	CF RES. 4.7K J 1/8W T
R	000-47306-400-0	CF RES. 47K J 1/8W T
752.852.138.137.338.337.147.		
247.347.44.547.647.R742.743.		
121B.121D 7		
R717.817	000-51106-400-0	CF RES. 510 J 1/8W T
R109.209.309.409.509.609	000-51206-400-0	CF RES. 5K1 J 1/8W T
R131.331.231.530.630.631.43	000-51306-400-0	CF RES. 51K J 1/8W T
1.197.297.39.497.597.697.531		
7		
R130.330.430.230	000-51326-400-0	CF RES. 51K J 0.25W T
R134.139.339.334	000-51506-400-0	CF RES. 5M1 J 1/8W T
R904	000-56126-400-0	CF RES. 560 J 0.25W T
R192.292.392.492.592.692	000-56206-400-0	CF RES. 5K6 J 1/8W T
R120.220.320.420.520.620.13	000-56306-400-0	CF RES. 56K J 1/8W T
5.335.515		
R11	000-56406-400-0	CF RES. 560K J 1/8W T
R118.119.218.219.318.319.41	000-68106-400-0	CF RES. 680 J 1/8W T
8.419.518.51.618.6199		
R902	000-68226-400-0	CF RES. 6K8 J 0.25W T
R905	000-68306-400-0	CF RES. 68K J 1/8W T
R901	000-68326-400-0	CF RES. 68K J 0.25W T
R808	000-75206-400-0	CF RES. 7K5 J 1/8W T
R196.296.396.496.596.696	000-82206-400-0	CF RES. 8K2 J 1/8W T
R121.221.321.421.521.621	000-82306-400-0	CF RES. 82K J 1/8W T
R143.343	000-82406-400-0	CF RES. 820K J 1/8W T
R811	000-91106-400-0	CF RES 910 J 1/8 W T
R7	006-10010-440-0	MF RES.1KF 1/8W T
R6	006-43020-440-0	MF RES.43K 1/8W T
R2	006-62010-440-0	MF RES. 6.2K F 1/8W T
R3	006-91010-440-0	MF RES. 9K1F 1/8W T
C120.220.320.420.520.620.11	030-10638-0A0-0	E/C 10MF Z 25V 5*11 T
2.312.512.713.813.717.817.12		
A.13A		
C107.207.307.407.701.801	030-47558-0A0-0	E/C 4.7MF Z 50V 5*11 T
C109.209.309.409.716.816.70	030-47626-0A0-0	E/C 47MF M 16V 5*11 T
2.802.		

MAIN PCB-PART LIST

Ref.	Phonic No.	Specificatin
C24A.25A	030-47638-0A0-0	E/C 47MF Z 25V 6.3*11 T
C127.719.733.128.328.819.85 3.753.327.901	035-10556-0A0-0	MINI E/C 1MF M 50V T
C4.5.130.330.212.412.612.754 .854	035-10636-0A0-0	MINI E/C 10MF M 25V T
C131.331.231.431.720.820	035-10728-0A0-0	MINI E/C 100MF Z 16V T
C8	035-22556-0A0-0	MINI E/C 2.2MF M 50V T
C715.705.706.805.806.9.815	035-22636-0A0-0	MINI E/C 22MF M 25V T
C6-7	035-22656-0A0-0	MINI E/C 22MF 50V 5*7 T
C126.326.	035-47456-0A0-0	MINI E/C 0.47MF 50V 5*7 T
C607.807.707.810.507	035-47556-0A0-0	MINI E/C 4.7MF M 50V T
C708.711.718.818.811.808.50 9.511.611.61.703.803.609.119. 219.319.419.519.6190	035-47626-0A0-0	MINI E/C 47MF M 16V 5*7 T
C108.208.308.408.508.608.	042-10020-050-0	C/C2 10PF C 50V T
C510.	042-10125-050-0	C/C2 100PF K 50V 5 T
C755	042-10325-050-0	C/C2 0.01MF K 50V T
C10	042-10425-050-0	C/C2 0.1MF K 50V 5 T
C721.714.814.821.10A.11A	042-33025-050-0	C/C2 33PF K 50V 5 T
C812	042-39024-050-0	C/C2 39PF J 50V 5 T
C704.804.809	042-47025-050-0	C/C2 47PF K 50V 5 T
C116.216.316.416.516.616	046-10204-060-0	M/C 0.001MF J 50V 5 T
C123.323	046-10304-060-0	M/C 0.01MF J 50V 5 T
C118.218.318.418.518.618	046-27204-060-0	M/C 0.0027MF J 50V 5 T
C117.217.317.417.517.617	046-56304-060-0	M/C 0.056MF J 50V T
C124.125.324.325.	046-68204-060-0	M/C 0.0068MF J 50V 5 T
C114.214.314.414.514.614	046-82304-060-0	M/C 0.082MF J 50V 5 T
Q1	120-00000-800-0	TRAN. 2SC1815 GR TOSHIBA
Q301.401.501.601.	120-00004-600-0	TRAN. 2SC1740 LN-R ROHM (2SC1313G)
Q711.811.712.812.	121-00000-200-0	TRAN. 2SA1015 GR TOSHIBA
	290-60300-000-0	MX300 A PCB
	382-20005-010-0	TINNER WIRE 5.0MM D0.6
	382-20007-510-0	TINNER WIRE 7.5MM D0.6
	382-20010-010-0	TINNER WIRE 10MM D0.6

MAIN PCB-PART LIST

Ref.	Phonic No.	Specificatin
PM524 CROSSFADER PCB		
M/I		
VR601	027-10435-063-6	D.SLD/VR 100KB 45MM P
	211-10051-160-0	5P WAFER/S 90 DEGREE
		TJC3-5AW PH=2.5MM
	290-60524-000-0	524 CROSSFADER PCB

INPUT PCB PART LIST

Ref.	Phonic No.	Specificatin
IC101.301.501	042-33025-050-0	C/C2 33PF K 50V 5 T
J102.103.104.	211-00041-060-0	RCA/JACK RJ-1018-010-0 (WHITE/RED)
J105	211-00061-010-0	6P RCA/J RJ-1074-09-0300A (WHITE/RED)
J101.301	211-01602-440-0	6D3 PHONE JACK RHJ-23-S DM3010
CN10	211-10021-161-0	2P WAFER/S TJC3-2A P=2.5MM 180 DEGREE
CN2.3	211-10031-171-0	3P WAFER/S TJC3-3A PH=2.5MM 180 DEGREE
CN9	211-10051-151-0	5P WAFER/S TJC3-5A PH=2.5MM 180 DEGREE
CN5-8	211-10061-180-0	6P WAFER/S A2501WV2-6P 180 DEGREE
R306.406.506.606.116.216	000-10106-400-0	CF RES. 100 J 1/8W T
R106.206.	000-10126-400-0	CF RES. 100 J 0.25W T
R101.201.301.401.501.601.73 4.834	000-10206-400-0	CF RES. 1K J 1/8W T
R105.205.305.405.505.605	000-10406-400-0	CF RES. 100K J 1/8W T
R114.314	000-15206-400-0	CF RES. 1K5 J 1/8W T
R726.826.730.830.728.828.73 2.832	000-22106-400-0	CF RES. 220 J 1/8W T
R107.207.307.407.507.607.11 3.313	000-22206-400-0	CF RES. 2K2 J 1/8W T
R117.317	000-22406-400-0	CF RES. 220K J 1/8W T
R203.303.403.603	000-24106-400-0	CF RES 240 J 1/8W T
R103.503	000-24126-400-0	CF RES. 240 J 0.25W T
R108.208.308.408.508.608	000-39206-400-0	CF RES 3K9 J 1/8W T
R831.836.731.827.727	000-47206-400-0	CF RES 4.7K J 1/8W T
R102.202.302.402.502.602.73 3.833.729.829	000-47306-400-0	CF RES. 47K J 1/8W T
R 835.735	000-51206-400-0	CF RES. 5K1 J 1/8W T
R115.315	000-56306-400-0	CF RES.56K J 1/8W T
R908	000-68006-400-0	CF RES. 68 J 1/8W T
R903	000-68406-400-0	CF RES. 680K J 1/8W T
R 104.204.504.604.304.404	000-82206-400-0	CF RES. 8K2 J 1/8W T

INPUT PCB PART LIST

Ref.	Phonic No.	Specificatin
C106.206.306.406.506.606.71 7.718.817.818	030-10638-0A0-0	E/C 10MF Z 25V 5*11 T
C903	030-22728-0A0-0	E/C 220MF Z 16V 8*11 T
C501.601.902	030-47558-0A0-0	E/C 4.7MF Z 50V 5*11 T
C103.203.303.403.503.603.11 1.210.211.410	030-47626-0A0-0	E/C 47MF M 16V 5*11 T
C102.202.302.402.502.602.12 1.221.321.421.521.621.110.31 0	042-10125-050-0	C/C2 100PF K 50V 5 T
C105.205.305.405.505.605.	046-27305-060-0	M/C 0.027UF K 50V T
C104.204.304.404.504.604.	046-82204-060-0	M/C 0.0082 MF J 50V 5 T
D903.904	090-02000-020-0	DIODE 1N4148 T
Q701.702.801.802.803	120-00006-200-0	TRAN. 2SC2878 TOSHIBA
Q907	121-00000-200-0	TRAN. 2SA1015 GR TOSHIBA
IC103.101.301.501	160-00017-900-0	IC NJM4558LD JRC
	290-20000-200-0	PCB DM3010 B.C
W1-W4.W7.8	382-20005-010-0	TINNER WIRE 5.0MM D0.6
W56	382-20010-010-0	TINNER WIRE 10MM D0.6

POWER PCB PART LIST

Ref.	Phonic No.	Specificatin
IC901	160-00001-219-1	IC LM7812
IC902	160-00001-331-0	IC LM7912
IC1	160-00004-114-0	IC UPC7805H NEC (KIA)
P10	212-10021-050-6	2P WAFER/P 160MM UL1007#24 P=2.5MM
	382-20007-510-0	TINNER WIRE 7.5MM D0.6
	382-20010-010-0	TINNER WIRE 10MM D0.6
	382-20015-010-0	TINNER WIRE 15MM D0.6
IC7805*1.IC7812*1.IC7912*1	526-20001-110-0	HEAT SINK BLK 19*13*12 L=19MM
IC7805*1.7812*1.712*1	590-53008-200-0	M/E SET SCR. M3.0*8 D=6 BLK
IC7805*1.IC7812*1.IC7912*1	600-00302-210-0	HEX. NUT M3.0*2.2 NI
IC7805*1.7812*1.712*1	610-60300-501-0	PAN SPR. WAS D3.0*D7*0.5 NI
R1	003-20073-602-0	CEMENT RES. 20 J 5W SQM
C906.907	030-10848-002-0	E/C 1000MF Z 35V 18*20 P
C904.C905	030-47558-0A0-0	E/C 4.7MF Z 50V 5*11 T
C3	030-47628-0A0-0	E/C 47MF Z 16V 5*11 T
C1.C2	030-47638-0A0-0	E/C 47MF Z 25V 6.3*11 T
C910.C911	042-10346-050-0	C/C2 0.01MF M 100V T 5
D905.906.907.908	090-00007-020-0	DIODE 1N4004 SILTEK T
CN14 CN17	211-10021-161-0	2P WAFER/S TJC3-2A P=2.5MM 180 DEGREE
	211-10061-180-0	6P WAFER/S A2501WV2-6P 180 DEGREE
	290-30250-400-0	PCB DM3025 POWER-D+E1-E6

MISCELLANEOUS ITEMS

Ref.	Phonic No.	Specificatin
POWER SW	058-47236-001-0	LINE/C 0.0047MF M 400V
	070-20318-001-0	X'MER 120/230V
		TT048970116C
POWER SELECT SW	210-01102-030-0	SLD/SW EV-12-31B-6Y
POWER SW	210-02101-010-0	P/SW KDC-A04-10BA2-G
	211-04000-010-0	BNC/J SVP-516D
		AC/S SC-12-2
FOR AC SOCKET	211-12200-000-6	RCA PLUG 1P
FOR PHONO RCA JACK	212-00000-000-6	2P WAFER/P 150MM
BNC TO CN17	212-10022-700-0	FUSE HOLDER FH-B02 EDK
	281-04000-000-0	WASHER TW-10N
	313-00030-000-6	LUG 6D
FOR GND	315-00005-000-0	CABLE TIE HW-100MM
	321-00000-070-0	M.WIRE UL1007 #24 150MM
	379-02151-101-0	BLK
AC SOCKET TO SELECT SW	379-10101-101-0	M.WIRE UL1015 #18 100MM
		BLK
		M.WIRE UL1617#18 100MM
AC SOCKET TO POWER SW TO FUSE HOLDER	379-29101-121-0	RED
	510-60310-511-0	PANEL MX300 AL 2.0 PRINT
		COLOR:BLK
	511-60010-400-0	BACK PANEL MX300
		BLK+WHT
	512-60015-510-0	CROSSFADER PANEL AL
		PRINT COLOR:BLK
	517-60710-100-0	BOT. COV MX303
	524-60009-020-0	HANDLE SIZE:10*50
		COLOR:WHT
	525-60011-000-0	FEET SIZE:D20*D15*H10.5
		NF-008
	529-60005-001-0	LENS 104*42*3 BLK
		GROUND+WHT TEXT
	540-60090-020-0	R/KNOB BLK BODY+BLK
		CAP+WHITE POINT
CHANNEL FADER*3 CROSS	541-20080-120-0	S/KNOB 20*10*13H BLK
FADER*1		BODY+WHT LINE
CUE-PGM VR	541-20160-120-0	S/KNOB 8*10*5

MISCELLANEOUS ITEMS

Ref.	Phonic No.	Specificatin
CUE TALKOVER CUE	542-60100-120-0	P/KNOB BLK
SPLITSW CH1/2 SW		7.5*7.5*9.5INNER
	542-60300-020-0	DIMENSION 3.3*3.3
		P/KNOB BLK BODY+WHT
		TEXT
FOR CHANNEL FADER	543-20120-120-0	S/KNOB BUSH 64*10*3.5H
		BLK(BUSHING 45MM)
FOR CROSS FADER	543-20130-120-0	S/KNOB BUSH 73*12*6.5H
		BLK(BUSHING 45MM)
FOR CUE TALKOVER CUE	543-20140-120-0	P/KNOB BUSH INNER
SPLIT SW CH1/CH2 SE L ECT		DIMENSION 8.1*8.1*4.5 BLK
SW		
	543-60080-020-0	P/KNOB PUSH BLK
	550-60015-001-0	CHASSIS MX300/303 SECC
		1.0
	551-60080-000-0	POWER SW BRKT SECC 1.0T
	560-60036-100-0	CARTON MX300
		679*333*422MM A=B
	561-60032-300-0	G/B 320*161*402 MX300 300g
	565-20041-030-0	LF POLYLON 390*155*55
		DM3010
	565-20042-030-0	RT POLYLON 390*155*55
		DM3010
FOR REAR PCB	566-10013-000-0	SPONGE 150*10*5MM
OWN MANU	568-00003-000-0	PE BAG #10 240*340*0.05
	568-10057-000-0	PE BAG 500*450*0.05
POWER CORD	568-30011-000-0	PE BAG 300*110*0.05
	572-00000-050-0	DRYER 5g
	573-10063-012-0	M.I.C LABEL 50*10MM
	573-60240-000-0	BAR CODE LABEL PHONIC
		SERIES LABEL
	573-60343-000-0	LABEL LEVEL METER LABEL
		BLUE D=8mm
	574-6A046-012-0	OWN. MAUN. MX300
	579-00000-068-0	MINI CATALOG PHONIC
		SERIES

MISCELLANEOUS ITEMS

Ref.	Phonic No.	Specificatin
FOR XLR/JK*2	590-02606-200-0	M/E FLT SCR 2.6*6 BLK
PANEL TO CHASSIS*6	590-03006-100-0	M/E FLT SCR. M3.0*6 NI
FOR CROSS FADER TO VR*2	590-03012-100-0	M/E FLT SCR. M3*12 NI
	590-42604-100-0	M/E PAN SCR. M2.6*4 NI
POWER SW*2 CUE SW*2	590-43004-200-0	M/E PAN SCR. M3.0*4 BLK
CH1/CH2 SW*2 CUE VR*1		
CHANNEL VR*3		
PCB*10 CHASSIS TO	590-43006-100-0	M/E PAN SCR. M3.0*6 NI
BOSS*10		
FIXED POWER SW BRKT	590-53004-100-0	M/E SET SCR. M3.0*4 NI
POWER SELECT SWITCH*2	590-53006-200-0	M/E SET SCR. M3.0*6 BLK
FOR X'MER*2	590-54012-200-0	M/E SET SCR. M4*12 BLK
BOT COV*6	591-03006-200-0	T/P FLT SCR. M3.0*6 BLK
BOT COV*4.BACK PANEL TO	591-53006-200-0	T/P SET SCR. M3.0*6 BLK
CHASSIS*2		
FOR RCA JACK*5	591-53010-200-0	T/P SET SCR. M3.0*10 BLK
FEET*4	593-20010-001-0	TAPP SCR. M3.0*8 BLK
FOR GND	600-00602-010-0	HEX. NUT M6.0*2.0 NI
FOR ROTARY VR	600-00902-210-6	HEX NUT M9.0*2.0
X'MER	600-00903-210-0	HEX. NUT CU M4*2T
	610-00300-516-0	FIBER WAS. D3*D8*0.5 RED
FOR XMER*2	610-60401-001-0	PAN SPR. WAS. D4*7.6*1.0 NI
FOR GND	615-10001-130-0	EARTH BOSS 2+5 NI
GND	615-10002-130-0	EARTH BOSS 10+5 NI
		(EARTH BOSS)
FOR CUE SWITCH*2 FOR	615-10022-630-0	BOSS 5+5
CH1/CH2 SW*2		
CONNECT WITH PCB AND	615-10064-620-0	HEX BOSS L=12 (M3) H-12
CHASSIS		
FOR POWER BOARD	615-20064-620-0	BOSS LCA35-10 L=10MM
FOR AC SELECT SWITCH	630-20033-410-0	MYLAR INSV 12*45*1MM
FOR MASTER PCB	630-60012-210-0	FIBER SHEET
		SIZE:55*45*0.8MM
	630-60035-410-0	INSULATION 68.5*23*3 T
	630-60036-410-0	MYLAR INSU 40*9*0.2MM
FOR CHANNEL VR*3	631-10025-000-0	HEMELON 20*70
CROSSFADER*1		

MISCELLANEOUS ITEMS

Ref.	Phonic No.	Specificatin
FOR PHONO/LINE/MIC SW	631-10034-000-0	HEMELON D5*D26
FOR CUE VR	631-10036-000-0	HEMELON 10*55
	631-20029-000-0	HEMELON 10*10
FOR 12V LAMP	631-20030-000-0	HEMELON D10*D26
	510-60310-511-F	PANEL MX300 AL
	511-60010-000-F	BACK PANEL PM/FX/SX524
		MX300/303
	512-60015-510-F	CROSSFADER PANEL MX
		SERIES
	517-60710-000-F	BOT COV PM/SX/FX/BX524
		MX300/303

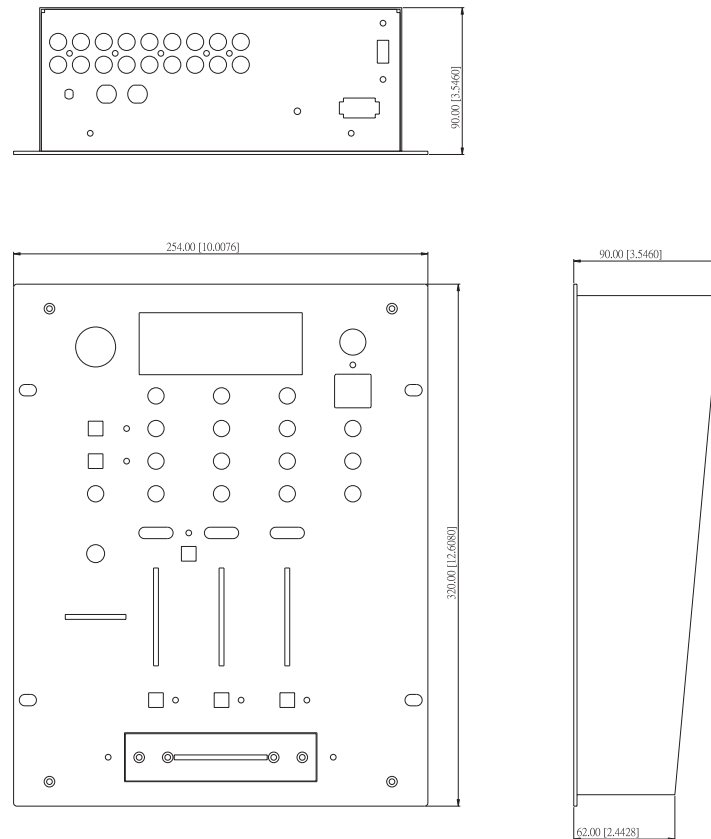
POWER REQUIREMENT CLASSIFICATION

Ref.	Phonic No.	Specificatin
<u>BS</u>		
	280-50165-000-0	FUSE T500MA 250V SMK S
	370-03310-421-6	P/CORD 230V 3A 6F 2P BS SVT PM-524
<u>IEC</u>		
	280-5016D-300-0	FUSE 0.5A 250V CE F
	370-03310-321-6	P/CORD VDE 3A 6F.SVT
<u>UL</u>		
	280-5016D-300-0	FUSE 0.5A 250V CE F
	370-03310-121-6	P/CORD 120V 3A 6F 2P UL SVT PM-524
<u>SA</u>		
	280-5016D-300-0	FUSE 0.5A 250V CE F
	370-03310-021-6	P/CORD 240V 3A 6F 2P SVT(SA)
<u>SAA</u>		
	280-50165-000-0	FUSE T500MA 250V SMK S
	370-03310-821-0	P/CORD 240V 3A 6F 2P SAA SVT PM524

IC LIST

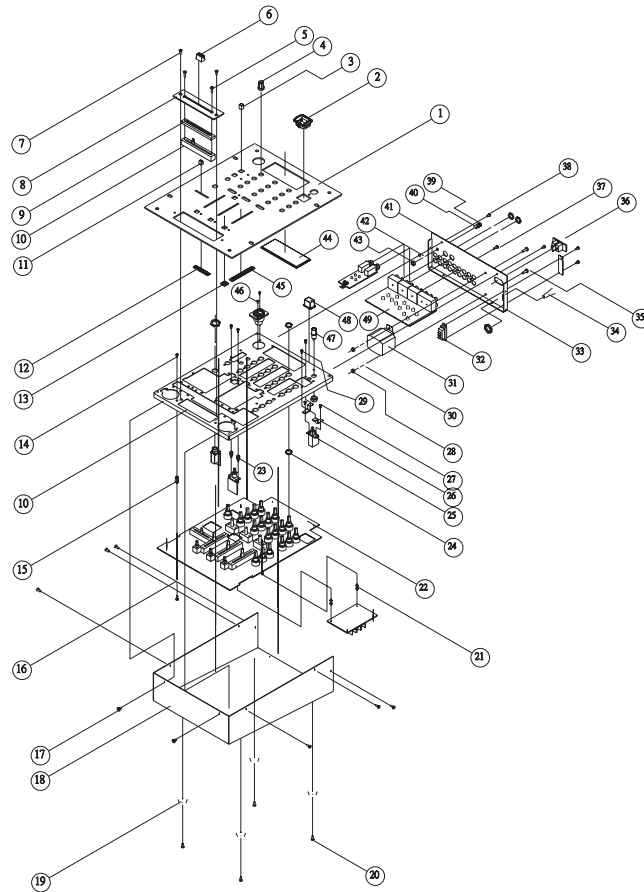
Ref.	Phonic	Specifications	Supplier
IC901	160-00001-219-1	IC LM7812	http://www.njr.com
IC902	160-00001-331-0	IC LM7912	http://www.njr.com
IC1	160-00004-114-0	IC UPC7805H NEC (KIA)	http://www.onsemi.com/home/
IC101.301.501	042-33025-050-0	C/C2 33PF K 50V 5 T	
IC103.101.301.501	160-00017-900-0	IC NJM4558LD JRC	http://www.njr.com
IC2	160-00014-600-0	IC AN6884 PANA SONIC	http://www.onsemi.com/home/
IC105.305. 703.701.801. 704. 503. 102. 104. 302. 304. 702. 504. 502. 106. 306. 506. 2A	160-00017-900-0	IC NJM4558LD JRC	http://www.njr.com
IC705	160-00018-000-0	IC NJM4556AL JRC	http://www.njr.com
IC3	160-00018-100-0	IC BA6125	http://www.fairchildsemi.com
IC706	160-00018-200-0	IC BA6822S	http://www.njr.com

DIMENSIONS



DIMENSIONS ARE SHOWN IN MM/INCH.

EXPLODED VIEW



49	F36-10004001-0	PCB	1
48	543-60304-0204	PRKNOB	1
47	211-40004-0104	BNCJ	1
46	5904-0306-2004	M2.6*6 BLK	2
45	543-201304-1204	BUSH	3
44	5204-6005-0014	LENS	1
43	6004-0902-2104	HEX. NUT	1
42	6104-*****4	WAS	1
41	*****	*****	*
40	615-0002-1304	BOSS	1
39	615-0001-1304	BOSS	1
38	591-5306-2004	D3.0*6 BLK	6
37	591-53010-2004	D3.0*10 BLK	5
36	211-*****4	****	1
35	5904-5012-2004	M4.0*12 BLK	2
34	281-40004-0004	PUSH HOLDER	1
33	511-60010-4004	BACK PANEL MX300	1
32	211-12204-0004	ACSW	1
31	070-20318-0014	XMER	1
30	6104-6040-0014	PAN SPR. WAS	2
29	5904-10042-2004	M3.0*4 BLK	20
28	6004-0903-2104	HEX. NUT M4*3	2
27	5904-5304-1004	M3.0*4 NI	2
26	551-60084-0004	BRKT	2
25	2104-02101-4104	POWER SW.	1
24	6004-0902-2104	HEX. NUT M3.0*2	16
23	615-10022-6304	BOSS	2
22	F36-10004-0004	PCB	1
21	615-20055-6204	BOSS	4
20	591-20018-0014	D3.0*18 NI	4
19	525-60011-0004	FEET	4
18	517-60170-1004	BOT COVER MX300	1
17	591-43006-2004	D3.0*6 BLK	6
16	6104-03004-5164	FIBER WAS	3
15	615-10064-6204	BOSS L=12	10
14	5904-3006-1004	M3.0*6 NI	20
13	543-20140-1204	BUSH	6
12	543-20170-1204	BUSH	1
11	541-20160-1204	SK/NOB	1
10	*****	*****	*
9	541-20130-1204	BUSH	1
8	512-60015-5104	CROSS FIBER PANEL	1
7	5904-0012-1004	M3.0*12 NI	2
6	541-20080-1204	SK/NOB BLK	4
5	5904-3006-1004	M3.0*6 NI	6
4	5404-60004-0204	SK/NOB BLK	16
3	542-60104-1204	PRKNOB BLK	6
2	543-60084-0204	BUSH MX300 ABS	1
1	5104-60310-5114	PANEL MX300 PHONIC	1
No	PART NO	Title	QTY

PHONIC
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