

SERVICE MANUAL

T-3

MODEL NO.: T-3

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General Specification

1. APPLICATION:

This specification applies to the direct drive turntable unit T-3.

2. STANDARD TEST CONDITION:

2-1 Ambient Temperature	20 +/- 2 degC
2-2 Relative Humidity	65% +/- 5%

3. GENERAL SECTION:

3-1 Power Supply	AC 230V, 50Hz
3-2 Power Consumption	10.5 Watts
3-3 Dimensions	450 (W) x 370 (D) x 86 (H) mm
3-4 Weight	8.5 Kgs

NOTE: Measurements can be carried out between 5 degC to 35 degC and 45% to 85% relative humidity.

4. TURNTABLE SECTION:

4-1 Type	3-speed full manual
4-2 Motor	8pole, 3phase,brushless DC motor
4-3 Driving Method	Direct drive
4-4 Turntable Platter	330mm dia. Aluminum diecast
4-5 Speeds	33 ¹ / ₃ and 45rpm and 78rpm
4-6 Wow and Flutter	Less than 0.15% WRMS (JIS WTD) with 33 ¹ / ₃ rpm
4-7 S/N Ratio	More than 60dB (DIN-B)
4-8 Pitch Controls	+/- 8%,+/- 12%,+/- 20%.
4-9 Starting Torque	More than 1.6 kgf.cm
4-10 Braking System	Electronic brake
4-11 Starting Time	Less than 1 sec.
4-12 Braking Time	Less than 1 sec.
4-13 Time for Speed Change	Less than 1 sec. from 33 to 45 rpm. Less than 1 sec. from 45 to 33 rpm. Less than 1 sec. from 33 to 78 rpm

5. TONEARM SECTION:

5-1 Type	Static balanced S-shaped tonearm with detachable headshell
5-2 Effective Arm Length	230mm
5-3 Overhang	15mm
5-4 Tracking Error Angle	Less than 3 degree
5-5 Applicable Cartridge Weight	13-18g
5-6 Anti-skating Range	0-3g
5-7-1 Phono Output Level	1.5~3.6mV at 1KHz 5cm/sec (HP-4005)
5-7-2 Line Output Level	88~215mV at 1KHz 5cm/sec (HP-4005)
5-7-3 S/N Ratio(Analog,Line)	≥ 60dB(1KHz,4mV,INPUT)
5-8 Frequency Response	50Hz-20KHz
5-9 Channel Separation	More than 15 dB
5-10 Channel Balance	Within 2.5dB at 1KHz
5-11 Needle Pressure range	3~4g
5-12 High of cue(first track)	7.5~10mm
5-13 Descend of cue	1~3sec
5-14 EQ.RIAA characteristic	50Hz~20KHz +/-0.5dB

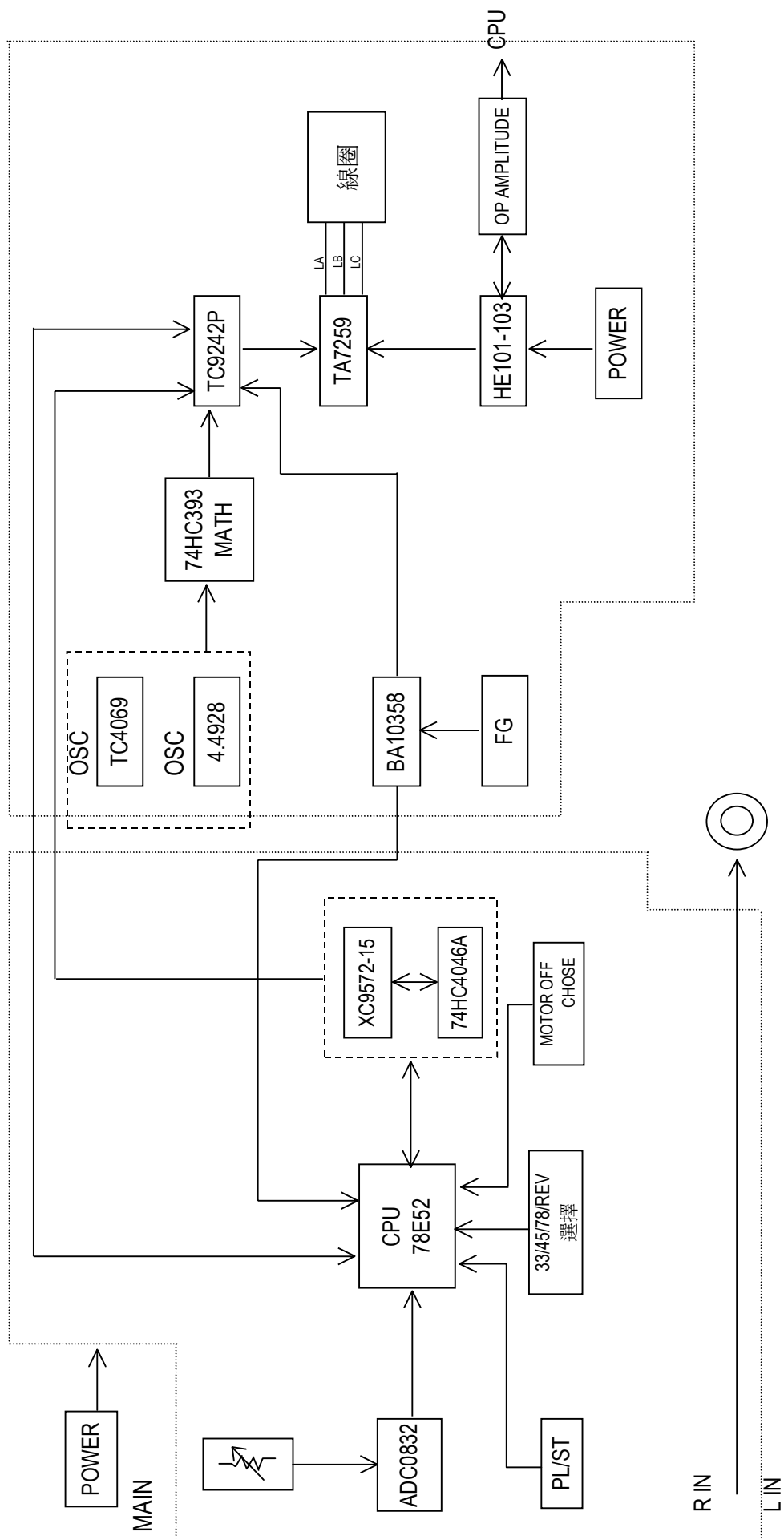
6. ACCESSORIES SUPPLIED

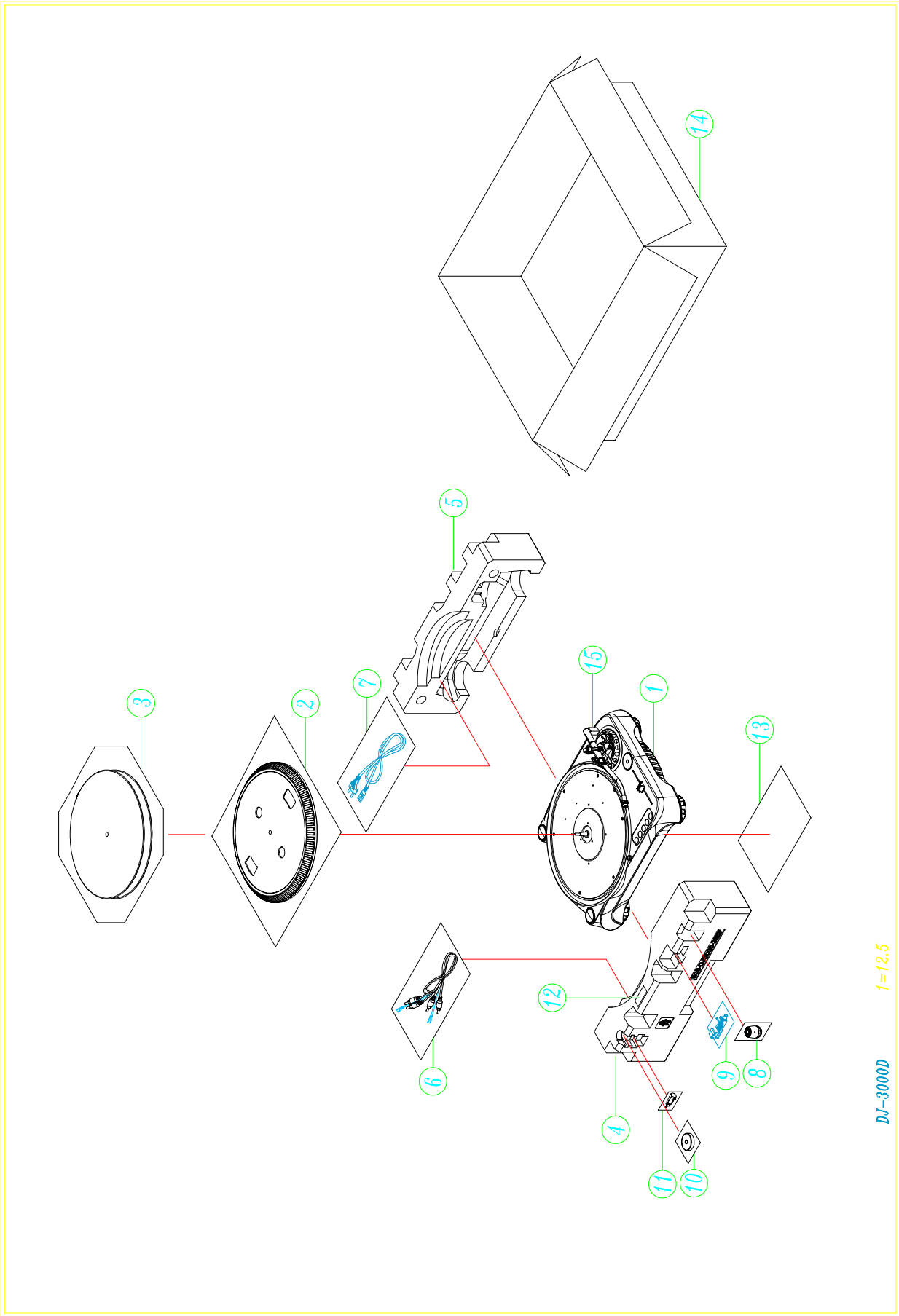
Instruction manual x 1,
Headshell x 1, 45 rpm adaptor x 1,
Counter weight x 1, AC cord x 1,
RCA cable x 1, Platter x1
Slipmat x 1, Target light x 1

7. SPECIFICATION

<i>DESCRIPTIONS</i>	<i>UNIT</i>	<i>NORMAL</i>	<i>LIMIT</i>
(1) Output Difference	dB	2.3	2.5
(2) Phono Output Level	mv	1.7~3.5	1.5~3.6
(3) Line Output Level	mv	101~207	88~215
(4) Speed (Speed Range) +/- 8%	Hz	2760 ↓ ,3240 ↑	2770 ↓ ,3230 ↑
(5) Speed (Speed Range) +/- 12%	Hz	2640 ↓ ,3360 ↑	2650 ↓ ,3350 ↑
(6) Speed (Speed Range) +/- 20%	Hz	2400 ↓ ,3600 ↑	2410 ↓ ,3590 ↑
(7) Speed (Center Range)	Hz	2995~3005	2990~3010
(8) Wow and Flutter	%	0.1	0.15
(9) Channel separation	dB	16	15

NOTE: CARTRIDGE(AT3600L)



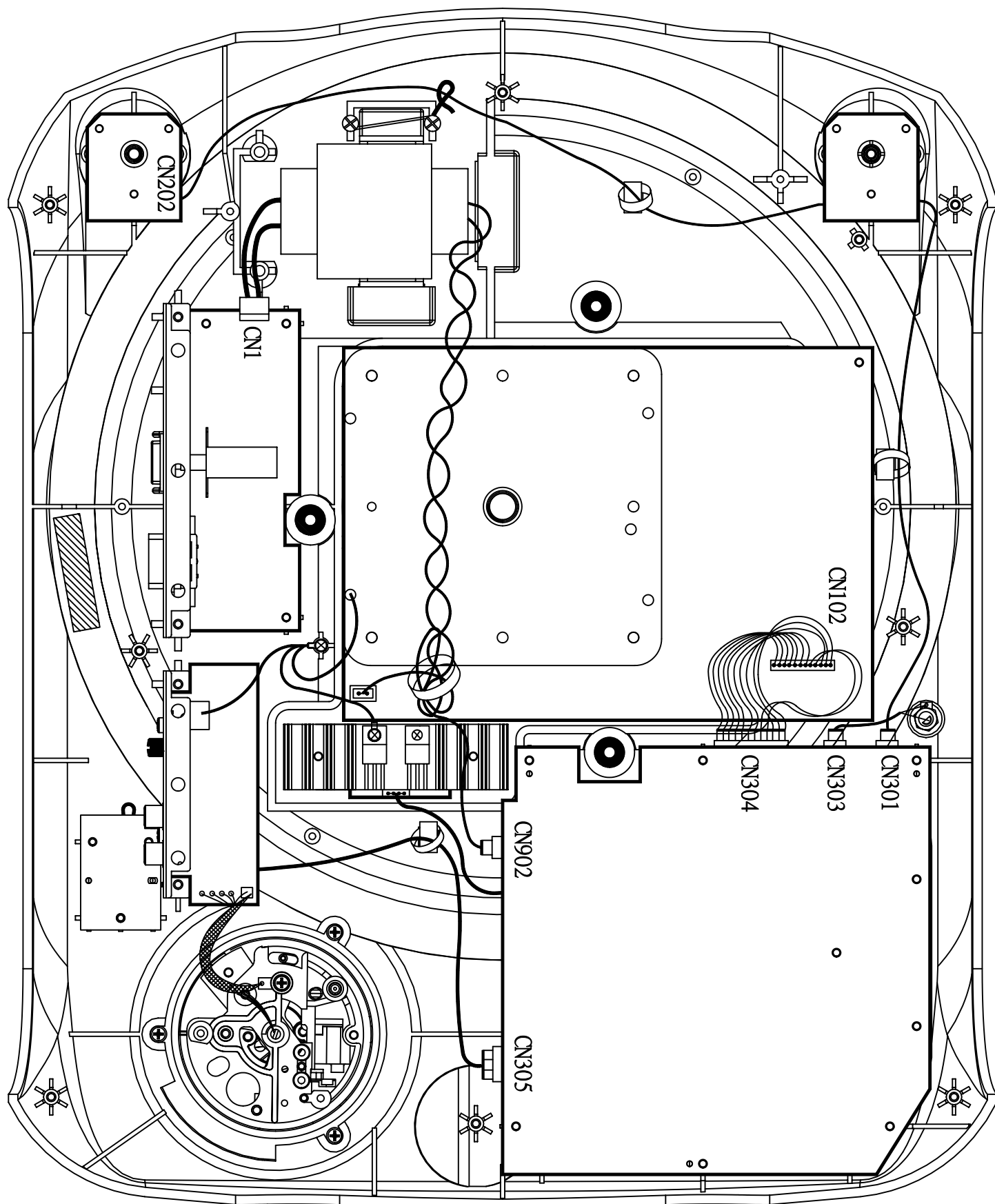


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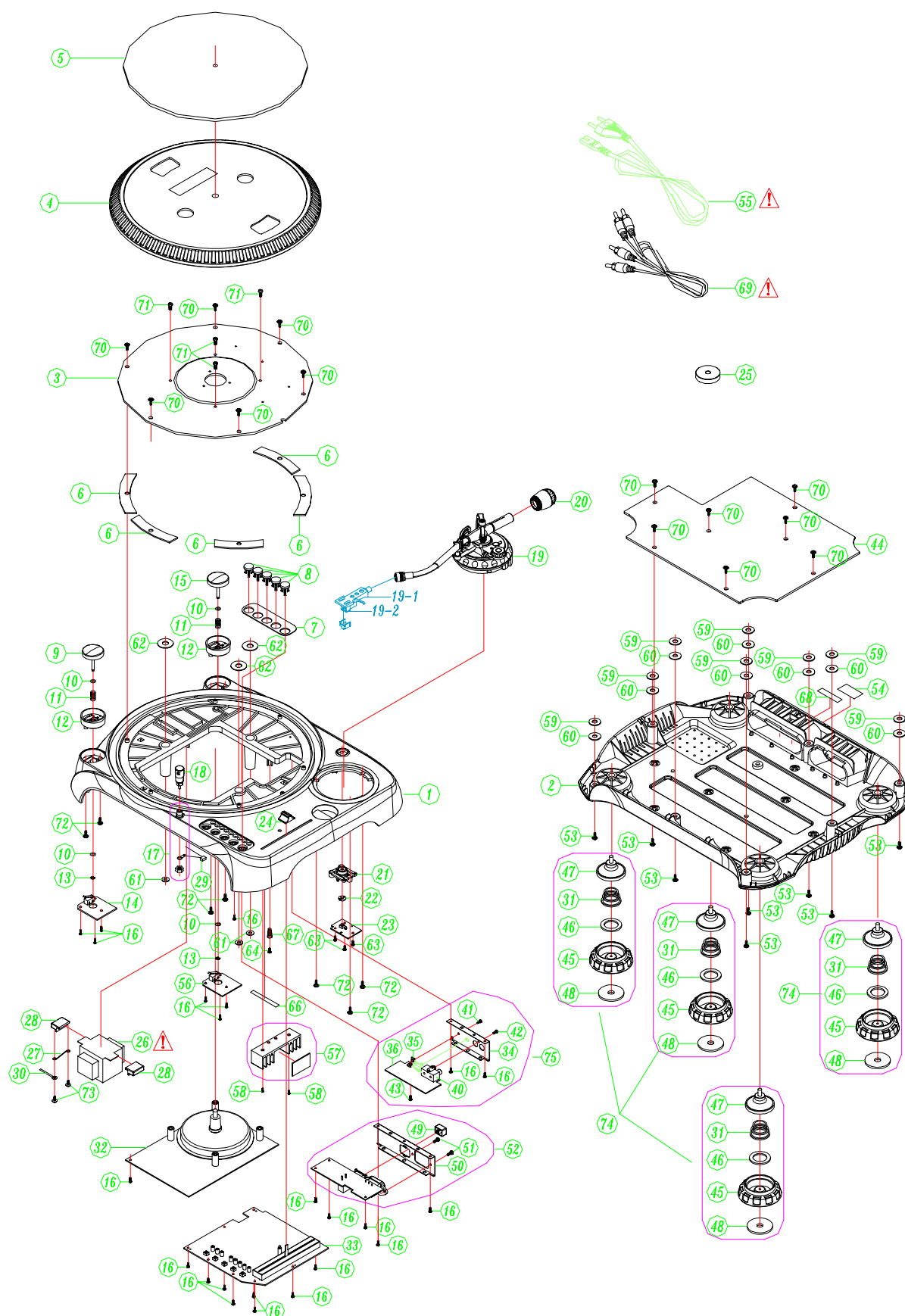
DJ-3000D

Packing View Part List

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Exploded View



DJ-3000D 1=5.4

Exploded View Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
1	CHASSIS	100-DJ3000D-2171	1	
2	BOTTOM COVER ASS'Y	701-DJ5000-3173	1	
3	MOTOR FIXED PLATE(t=3MM)	300-TT100E-687A	1	
4	ALUMINUM	200-DJ3000-372	1	
5	SLIPMAT	612-DJ3000D-052	1	
6	SHEET BUBBER	604-PROTT2-176	5	
7	KNOB DECORATIVE PLATE	501-DJ3000D-1699	1	
8	KNOB FOR MAIN PCB ASS'Y (SILVER)	100-DJ5000-2178	5	
9	START/STOP KNOB ASS'Y R	701-DJ5000-3104R	1	
10	SPACER FOR NOISE ELIMINATION(BLACK)	612-ST150-150	4	
11	SPRING FOR START/STOP BUTTON	603-DJ3500-242	2	
12	KNOB BASE ASS'Y	701-DJ5000-3105	2	
13	E-RING WASHER (3mm)	606-F200-011	2	
14	PLAY/STOP PCB ASS'Y	704-5000-4846	1	
15	START/STOP KNOB ASS'Y L	701-DJ5000-3104L	1	
16	SCREW	602-B600-057	23	
17	RCA JACK	420-ST150-159	1	
18	SEARHIGHT ASS'Y	704-DJ5500B-4467	1	
19	TONE ARM ASS'Y	704-3000D-5033	1	
19-1	HEADSHELL ASS'Y	703-DJ3000D-848	1	
19-2	CARTRIDGE(AT3600L)	402-H468-004	1	
20	COUNTER WEIGHT ADJUSTOR ASS'Y	702-ST150-031	1	
21	KNOB	100-DJ5000-2176	1	
22	LENS	100-DJ5000-2177	1	
23	MOTOR OFF PCB ASS'Y	704-3000-4865	1	
24	SPEED PUSH BUTTON(ABS)	100-DJ5500-2017	1	
25	45 RPM ADAPTOR	200-DJ3000-211	1	
26	TRANSFORMER	411-DJ3000-326	1	
27	TRANSFORMER LEAF SPRING	603-DJ1900-136	1	
28	CUSHION RUBBER FOR TRANSFORMER	604-DJ1900-064	2	
29	2P CONNECTOR WIRE	404-DJ5000-1769	1	
30	WINDING FIXTURE(WC-1A)	300-HM510B-224	1	
31	SPRING FOR FOOT	603-DJ3500-243	4	
32	D.D. MOTOR ASS' Y	704-3000-4852	1	
33	MAIN PCB ASS'Y	704-3000A-4902	1	
34	OUTPUT FIXED(BLACK)	300-DJ5000A-1058	1	
35	BRACKET(L TYPE)	300-HDJ7000-472	1	
36	OUTPUT PCB	405-DJ3000-1176A	1	
40	2P RCA JACK(RJ-1078-10-0500A)	420-RCC955A-073	1	
41	SCREW(M3*8,P=0.5,BLACK)	602-2002-085	1	
42	SCREW(PTB, ⌀ 3*8,ZB)	602-DJ5500-452	1	
43	SCREW(3*5 P=0.5)	602-B300-041	1	

Exploded View Part List

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D.D Motor PCB Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	D.D. MOTOR PCB ASS' Y	704-3000-4862	1	
CN101	2P SOCKET(CKM2501WV-2P 180°BLUE)(Cd,Pb,Hg,Cr)	404-DJ100-1108A	1	
CN102	12P CONNECTOR WIRE(L=70mm,AWM1007 AWG26)	404-STR880-1140	1	
J124	JUMPER(ϕ 0.6mm,L=5mm,H=10mm)	406-2002-106	1	
	1P GROUND WIRE(L=100mm,AWM1617 AWG22,BLACK)(Pb,Cd)	406-DD2250-526	1	
R126	CARBON FILM RESISTOR(200 OHM,1W,J,T-73)	412-DJ3000-411	1	
JR101	CHIP RESISTOR(0 OHM,1/8W,1206,J,TP ,150V)	412-DJ3000-414	1	
R115	CARBON FILM RESISTOR (3 OHM,2W,J,T-73)	412-STR880-478	1	
C131,C132	CERAMIC CAPACITOR(0.1uF/50V,Z,TAPING,Y5V)	413-3113-035	2	
C117	ELEC. CAPACITOR(1000uF/35V,M, 105°C ,BULK 13*21)(Cd,Pb,Hg,Cr)	413-DJ1900-110	1	
C118	ELEC. CAPACITOR(1000uF/25V,M, 105°C ,BULK 10*20)	413-DJ1900-111	1	
C114	ELEC. CAPACITOR(220uF/25V,M, 105°C ,TAPING 8*12)(Cd,Pb,Hg,Cr)	413-DV300-292	1	
D101,D102,D103,D104,D106,D107,D108,D109,D110,D111	DIODE(1N4002/1N4002TA,1A/100V,TAPING)	414-DV300-5014	10	
L108,L109,L110	BEAD CORE(86-019-A TAPING)	415-HV3500K-090	3	
L107	INDUCTOR(10uH TAPING 52mm)	415-MPG100-047	1	
L101,L102,L103,L104,L105,L106	COIL	415-STR880-165	6	
IC105	IC(TC4069UBP DIP14)	417-DJ2000-235	1	
IC101	IC(TC9242/TC9242P,DIP16)	417-DJ2500-271	1	
IC106	IC(74HC393/74HC393N,DIP14)	417-DJ2500-272	1	
IC102	IC(TA7259P,DIP,14PIN)	417-DJ3000-333	1	
IC108	IC(NJM7818FA)	417-DJ3000-336	1	
IC103,IC110	IC BA10358N 8PIN	417-KE200X-042	2	
HE101,HE102,HE103	IC(THS119)	417-STR880-424	3	
IC102	HEAT SINK	425-DM3000-021	1	
	HEAT SINK	425-KMD3500-016A	1	
X101	QUARTZ CRYSTAL(4.4928MHz)	427-TT100-079	1	
	REVERSIBLE(54*34mm)	508-DJ3500-064	0	
	SCREW(3*8mm BTP)	602-2002-077	1	
	SCREW(BTB DIA3*8)	602-DM3000-270	2	
C128	CERAMIC CAPACITOR(1000PF/50V,K,TAPING,Y5P)	413-1430-071	1	
C110,C111,C113	CERAMIC CAPACITOR(0.01uF/50V,Z,TAPING,Z5V)	413-3113-028	3	
C103,C112	CERAMIC CAPACITOR(0.047uF/50V,Z,TAPING,Y5V)	413-3113-033	2	
C105,C121,C122,C130,C133,C134,C135,C137,C138	CERAMIC CAPACITOR(0.1uF/50V,Z,TAPING,Y5V)	413-3113-035	9	
C126,C139	ELEC. CAPACITOR(100uF/10V,M,105°C ,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-3113-046	2	
C127	ELEC. CAPACITOR(1uF/50V,M,105°C ,TAPING 5*11,NP)(Cd,Pb,Hg,Cr)	413-3113-047	1	
C104	ELEC. CAPACITOR(1uF/50V,M,105°C ,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-3113-049	1	
C101	ELEC. CAPACITOR(4.7uF/50V,M,105°C ,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-3113-050	1	
C102	ELEC. CAPACTIOR(10uF/25V,M,105°C ,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-3113-052	1	
C136	METAL POLYESTER CAPACITOR(0.1uF/AC125V,K)	413-DJ3500-884	1	
C115,C116	ELEC. CAPACITOR(220uF/25V,M, 105°C ,TAPING 8*12)(Cd,Pb,Hg,Cr)	413-DV300-292	2	

D.D Motor PCB Ass'y Part List

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Main PCB Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	MAIN PCB ASS'Y	704-3000A-4902	1	
CN305	4P SOCKET(S4B-PH-K,P=2mm,JST,90 DEGREE)	404-DCM270E3-878	1	
CN903	4P2.5 CONNECTOR WIRE(L=90mm,AWM1007 AWG26)	404-DJ3000-1771	1	
CN304	12P SOCKET(S12B-PH-K,P=2mm,JST,90 DEGREE)	404-DJ3000-810	1	
CN301,CN303	2P SOCKET(S2B-PH-K,P=2mm,JST,90 DEGREE)	404-DJ3000-847	2	
CN370TOCN601	2P2.5 CONNECTOR WIRE(L=150mm,AWM1007 AWG26)	404-DJ3000A-1774	1	
IC303	IC JACK(40PIN)	404-HDJ7000-703	1	
CN902	2P 2.5SOCKET(S2B-XH-A,90°,JST)	404-KMD1500-607	1	
J334	JUMPER(ϕ 0.6mm,L=5mm,H=10mm)	406-2002-106	0	
D315	LED(LTL1CHJGDNN,GREEN)	410-DJ5000-252	1	
D304,D313,D314,D316,D317,D318	LED(LTL1CHJEDNN,RED)	410-DJ5000-253	6	
D305,D312	LED (LTL42UB5N,BLUE)	410-NT2000-149	2	
RB301	THICK FILM RESISTOR NETWORKS(10K OHM,G,RA 1/8W TYPE,8R9P)	412-KMD280-164	1	
C901	ELEC. CAPACITOR(1000uF/25V,M, 105°C ,BULK 10*20)	413-DJ1900-111	1	
D901,D902,D903,D904	DIODE(1N4002/1N4002TA,1A/100V,TAPING)	414-DV300-5014	4	
IC301	IC(AD0832)	417-CD6000-286	1	
IC302	IC(MM74HC4046N,DIP16)	417-DJ3000-345	1	
VR301	SLIDE VR(10KB*2,RFA0Y12H3006-10KB*2(HF))	418-STR880-097A	1	
X301	CRYSTAL(12MHz)	427-KMD3500-047	1	
	LED HOLDER(LED-8,H=8mm,WHITE)	504-HDJ7000-030	8	
D312	LED HOLDER(LED3-22-B,H=22)	504-ST100-113	1	
	VR CUSHION(0.5t,BLACK)	612-HDJ9700-015	1	
SW301,SW302,SW303,SW304,SW305	TACT SW(H=5mm,TAPING)	403-DCM270X-101A	5	
C311	CERAMIC CAPACITOR(1000PF/50V,K,TAPING,Y5P)	413-1430-071	1	
C304,C305	CERAMIC CAPACITOR(33pF/50V,J,TAPING,NPO)	413-3113-029	2	
C302,C308,C309,C318,C320,C307,C314,C315,C316,C319,C903,C906	CERAMIC CAPACITOR(0.1uF/50V,Z,TAPING,Y5V)	413-3113-035	12	
C303,C321	ELEC. CAPACITOR(2.2uF/50V,M,105°C ,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-3113-045	2	
C301,C313,C317,C322,C902	ELEC. CAPACITOR(100uF/10V,M,105°C ,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-3113-046	5	
C306	ELEC. CAPACITOR(1uF/50V,M,105°C ,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-3113-049	1	
C312	ELEC. CAPACTIOR(10uF/25V,M,105°C ,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-3113-052	1	
C905	METAL POLYESTER CAPACITOR(0.1uF/AC125V,K)	413-DJ3500-884	1	
C310	CERAMIC CAPACITOR(47pF/50V,J,TAPING,NPO)	413-HT8015-153	1	
C904	ELEC.CAPACITOR(100uF/16V,M,105°C ,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-PXE90-109	1	
Q302	DIGITAL TRANSISTOR(DTC124TS TAPING OR 2SC4120)	416-1330-020	1	
Q303,Q304,Q305,Q306,Q308,Q311,Q312,Q313,Q314,Q307	TRANSISTOR(2SC1740R TAPING)	416-3113-007	10	
Q315	TRANSISTORS(2SC3330U-AC)	416-DJ1900-023	1	
Q301	TRANSISTOR(DTA124ES TAPING OR 2SA1346)	416-KC710-038	1	
Q309,Q310	TRANSISTOR(DTA124TS/2SA1589/DTA124TSATP,TAPING)	416-KE200S-024	2	
	MAIN PCB(BARE,EC94V0,180*160*1.6t)	405-DJ3000-1168	1	

Main PCB Ass'y Part List

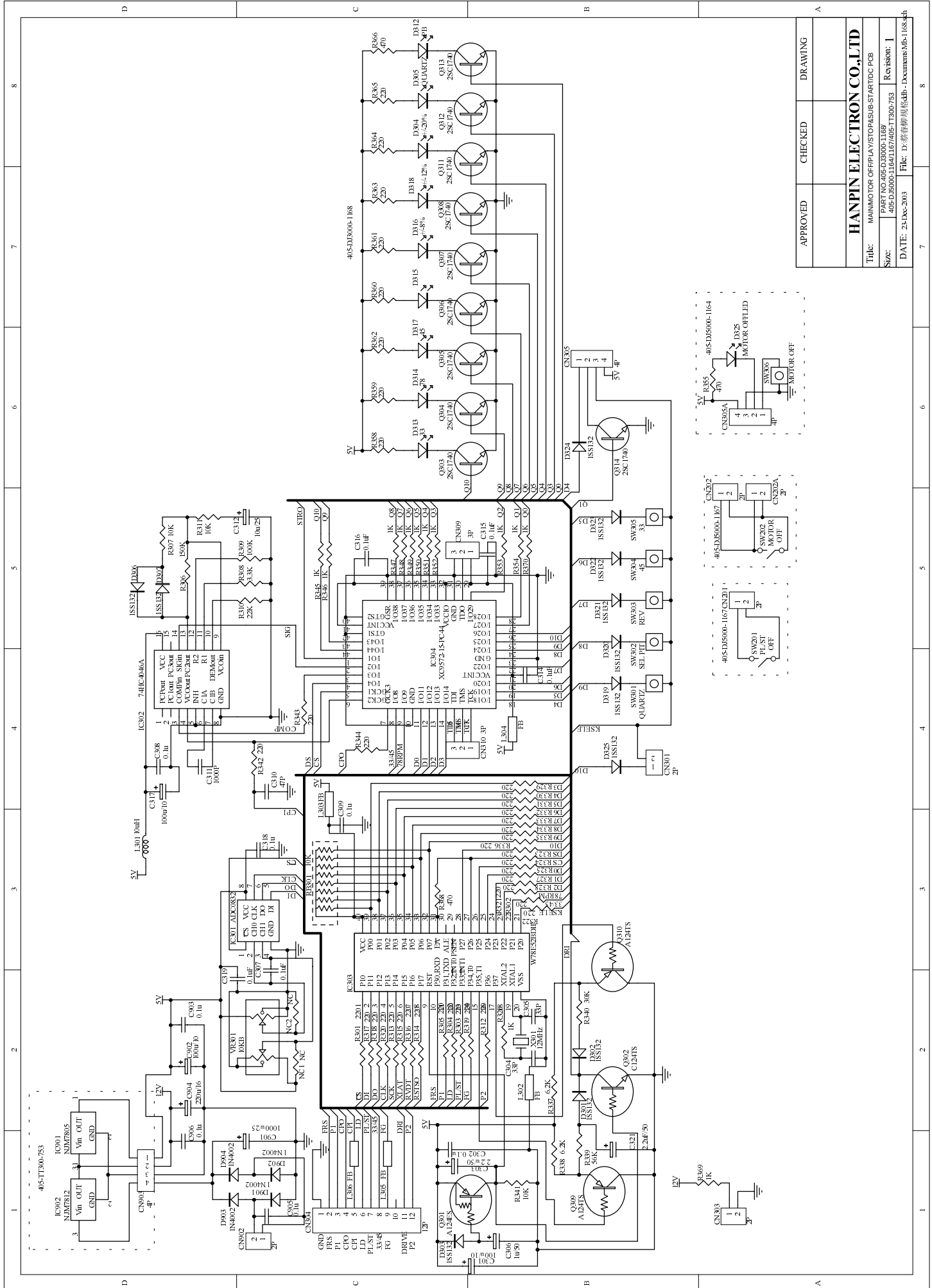
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P/L Output PCB Ass'y Part List

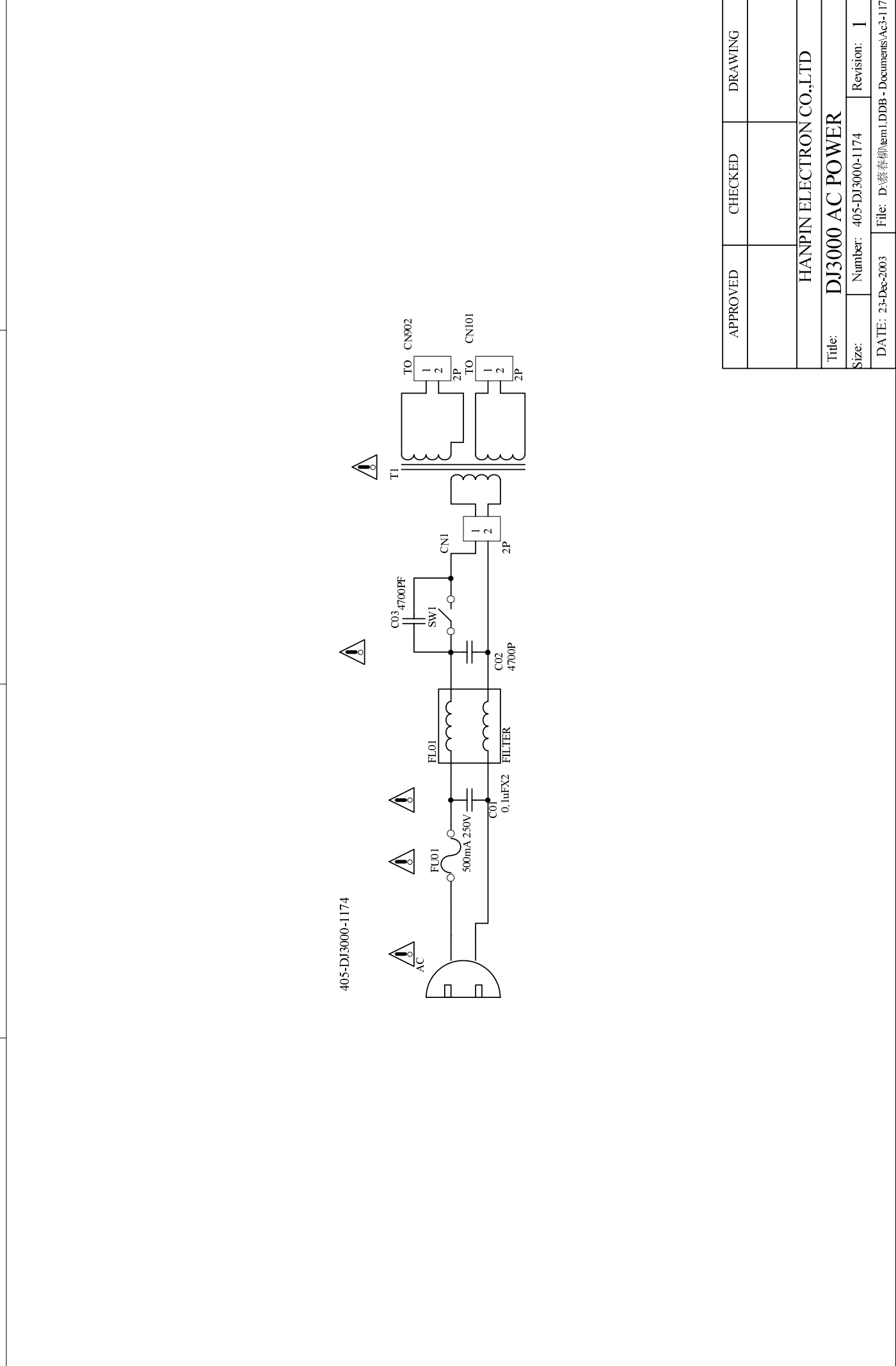
REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	P/L OUTPUT PCB ASS'Y	704-3000A-4895	1	
	OUTPUT FIXED(BLACK)	300-DJ5000A-1058	1	
	BRACKET(L TYPE)	300-HDJ7000-472	1	
SW601	SLIDE SW(SSSF142NA1-HF,12PIN)	403-DJ150E3-122	1	
CN601	2P 2.5SOCKET(S2B-XH-A,90°,JST)	404-KMD1500-607	1	
IC601	IC(LA3161)	417-F606-720	1	
JK601	2P RCA JACK(RJ-1078-10-0300A)	420-RCC955A-073	1	
	SCREW(M3*8,P=0.5,BLACK,Cd,Pb,Hg)	602-2002-085	1	
	SCREW(3*5 P=0.5)	602-B300-041	1	
	SCREW(PTB, ⌀ 3*8,ZB)	602-DJ5500-452	1	
C603,C608,C611,C616	ELEC. CAPACITOR(4.7uF/50V,M,105°C,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-3113-050	4	
C632	ELEC. CAPACTIOR(10uF/25V,M,105°C,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-3113-052	1	
C605,C613	ELEC. CAPACITOR (47uF/25V M 105°C, TAPING 5*11)(Cd,Pb,Hg)	413-HS100-181	2	
C633	ELEC. CAPACITOR(220uF/16V,M,105°C,TAPING 6.3*11)(Cd,Pb,Hg,Cr)	413-KT300-102	1	
C606,C614	POLYESTER CAPACITOR(0.033uF/100V,J,TAPING)	413-KT350-088	2	
C618,C631	ELEC.CAPACITOR(100uF/16V,M,105°C,TAPING 5*11)(Cd,Pb,Hg,Cr)	413-PXE90-109	2	
C607,C615	MAYLAR CAP(0.0082uF/100V J TAPING)	413-XM910-861	2	
Q602,Q603	TRANSISTOR(2SC2878-B(TE2.M)	416-AMC110A-5017	2	
Q601	TRANSISTOR(DTA124TS/2SA1589/DTA124TSATP,TAPING)	416-KE200S-024	1	
R619	CARBON FILM RESISTOR(220K OHM,1/6W,J,T-26)	412-3113-050	1	
R620	CARBON FILM RESISTOR(470 OHM,1/6W,J,T-26)	412-3113-056	1	
R601	CARBON FILM RESISTOR(100 OHM,1/6W,J,T-26)	412-3113-060	1	
R621,R622	CARBON FILM RESISTOR(6.8K OHM,1/6W,J,T-26)	412-3113-069	2	
R608,R615	CARBON FILM RESISTOR(680 OHM,1/6W,J,T-26)	412-3113-070	2	
D601,D602	SWITCHING DIODE(1SS132/1SS133,300mw,55V,T-77)	414-3113-005	2	
L601	BEAD CORE(86-019-A TAPING)	415-HV3500K-090	1	
	OUTPUT PCB(BARE,140*90mm EC94V0 1.6t)	405-DJ3000-1176A	1	
R606,R613	CHIP RESISTOR(150K OHM,1/8W,0805,J,TP ,150V)	412-AMC110D-5079	2	
R605,R612	CHIP RESISTOR((150 OHM,1/8W, 0805 ,J,TP,150V)	412-CDN88-032	2	
R609,R616	CHIP RESISTOR(1K OHM,1/8W, 0805,J,TP 150V)	412-DV330-305	2	
R617,R618	CHIP RESISTOR(100K OHM,1/8W, 0805,J,TP 150V)	412-DV330-307	2	
R604,R611	CHIP RESISTOR(47K OHM,1/8W,0805,J,TP 150V)	412-DV330-321	2	
R607,R614	CHIP RESISTOR(9.1K OHM,1/8W,J,TP 0805,150V)	412-M5-574	2	
R603,R610	CHIP RESISTOR (470 OHM,1/8W, 0805,J,TP,150V)	412-VCDG3-395	2	
C602,C604,C610,C612	CHIP CAPACITOR(100pF/50V,J,0805 TYPE,NPO)	413-DV330-310	4	
C609,C617	CHIP CAPACITOR(1000pF/50V,J,0805 TYPE,NPO)	413-DV330-311	2	
C601	CHIP CAPACITOR(0.1uF/ 50V,Z,0805 TYPE,Y5V)	413-DV330-313	1	

Other PCB Ass'y Part List

REF NO.	DESCRIPTION	PART NO.	Q'TY	REMARK
	MOTOR OFF PCB ASS'Y	704-3000-4865	1	
SW306	TACT SW(H=5mm,TAPING)	403-DCM270X-101A	1	
CN305A	4P2.0 CONNECTOR WIRE(L=235mm,AWM1007 AWG26)	404-DJ5000-1770	1	
	MOTOR OFF PCB(BARE,98*96*1.6t)	405-DJ5000-1164	1	
D325	LED(LTL1CHJEDNN,RED)	410-DJ5000-253	1	
R355	CARBON FILM RESISTOR(470 OHM,1/6W,J,T-26)	412-3113-056	1	
	POWER PCB ASS'Y	704-3000B-4888	1	
	POWER KNOB	100-HDJ2000-1641	1	
	KNOB PROTECTOR	100-HDJ2000-1642	1	
	AC CORD FIXING PLATE	300-DJ5000-1057	1	
SW1	POWER SW(SDDL1017U-HF,2PIN)	403-A100-005	1	
CN1	2P SOCKET(P=3.96mm,90 DEGREES)	404-BEAT6-1598	1	
	AC JACK(SO-222-14RP)	404-DJ2-021	1	
	POWER PCB(BARE,120*122*1.6t)	405-DJ3000-1174	1	
J02	JUMPER(ϕ 0.6mm,L=10mm,H=10mm)	406-2002-105	0	
C02,C03	AC SAFETY CAPACITOR(4700pF/250V,M,BULK,Y5V)	413-1431-104	2	
C01	MEX CAPACITOR(0.1uF/250V,K,BULK)	413-PROTT1-432	1	
FL01	FILTER(FKOB160MH02)	415-1300-239	1	
F01	FUSE CLIPS(FC-1206/WL-210A,15A)	420-KT350A-004	2	
F01	FUSE	422-KT350A-003	1	
	FUSE COVER	504-DJ2500J-046	1	
	SCREW(PTB, ϕ 3*8,ZB)	602-DJ5500-452	2	
	SUB-START PCB ASS'Y	704-5000-4845	1	
SW201	TACT SW	403-DJ3500-134A	1	
CN202	2P SOCKET(S2B-PH-K,P=2mm,JST,90 DEGREE)	404-DJ3000-847	1	
	PLAY/STOP&SUB-START PCB(BARE,120*122*1.6t)	405-DJ5000-1167	1	
	PLAY/STOP PCB ASS'Y	704-5000-4846	1	
SW201	TACT SW	403-DJ3500-134A	1	
CN202A	2P CONNECTOR WIRE(P=2.0,L=290mm,AWM1007 AWG26)(Pb,Cd)	404-DJ5000-1772	1	
CN202	2P2.0 CONNECTOR WIRE(L=210mm, AWM1007 AWG26)	404-ST150-1719	1	
	PLAY/STOP&SUB-START PCB(BARE,120*122*1.6t)	405-DJ5000-1167	1	
	IC & HEAT SINK ASS'Y	704-5000-4848	1	
CN903A	4P 2.5SOCKET(S4B-XH-A,90°,JST)	404-QMX2-606	1	
	DC PCB(BARE,94VO,98*116.7*1.6t)	405-TT300-753	1	
	GROUND WIRE(L=70mm,AWM1015 AWG22,BLACK)	406-DJ5000-725	1	
IC902	IC(7812)	417-BJ1900L-231	1	
IC901	IC 7805	417-KC730-123	1	
	HEAT SINK	425-DJ3000-023	1	
	SCREW(BTP,DIA3*6)	602-DJ3000-274	2	



APPROVED	CHECKED	DRAWING
HANPIN ELECTRON CO.,LTD		
Title: MAINMOTOR OFFPLAY/STOP&SUBSTART/DC PCB		
Size: 405-DJ5000-1164/1167/1605-TT300/753		
Revision: 1		
DATE: 24-Dec-2003		
File: D:\新普电机\405-DJ5000-1164.dch		



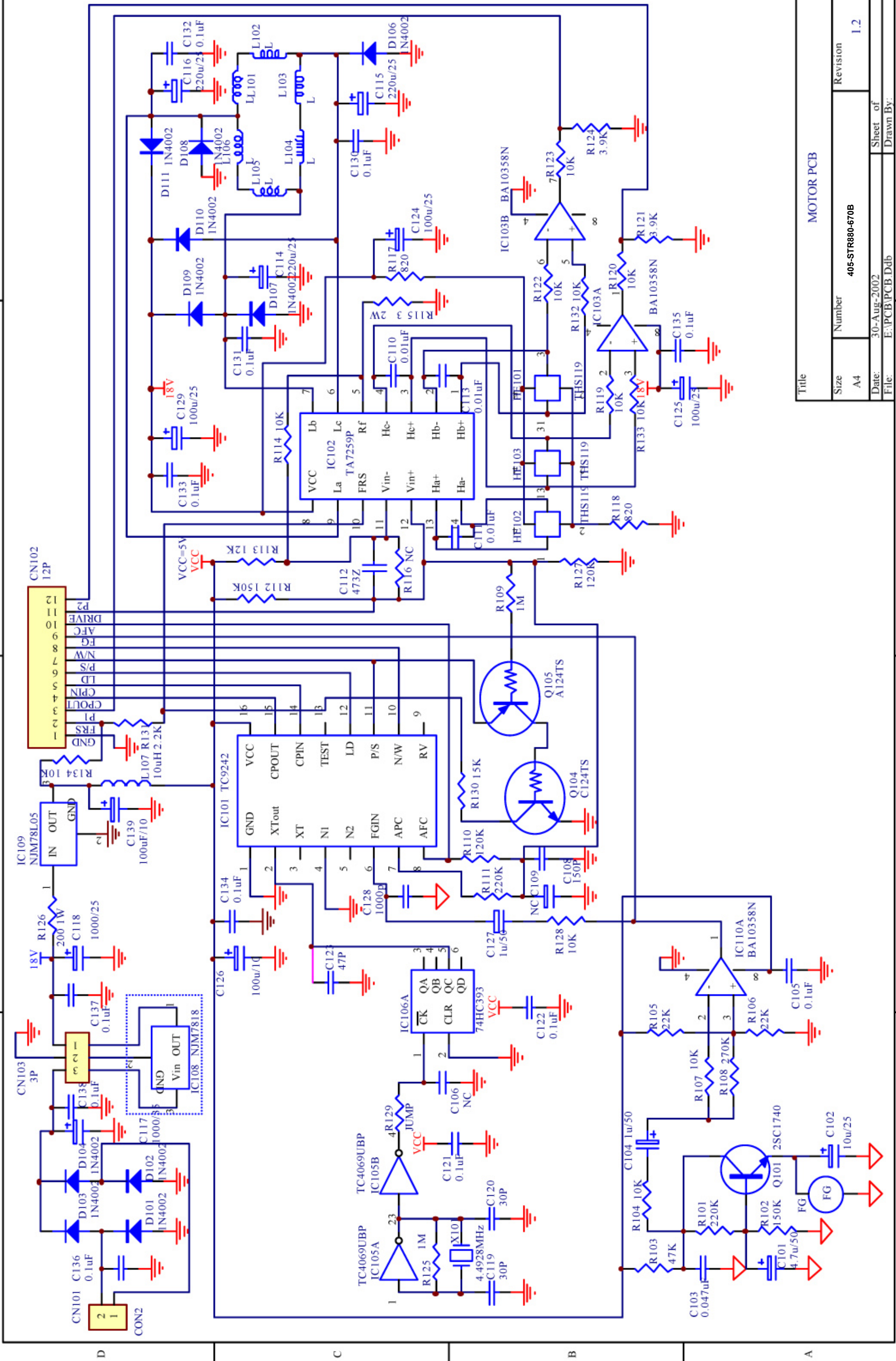
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HANPIN ELECTRON CO.,LTD		
Title: DJ3000 AC POWER		
Size:	Number: 405-DJ3000-1174	Revision: 1
DATE: 23-Dec-2003		File: D:\蔡春柳\mem1.DDB - Documents\Ac3-1174

4

3

2

1



Title

MOTOR PCB

Size

A4

Number

405-STR880-670B

Revision

1.2

Date:

30-Aug-2002

Sheet of

4

File:

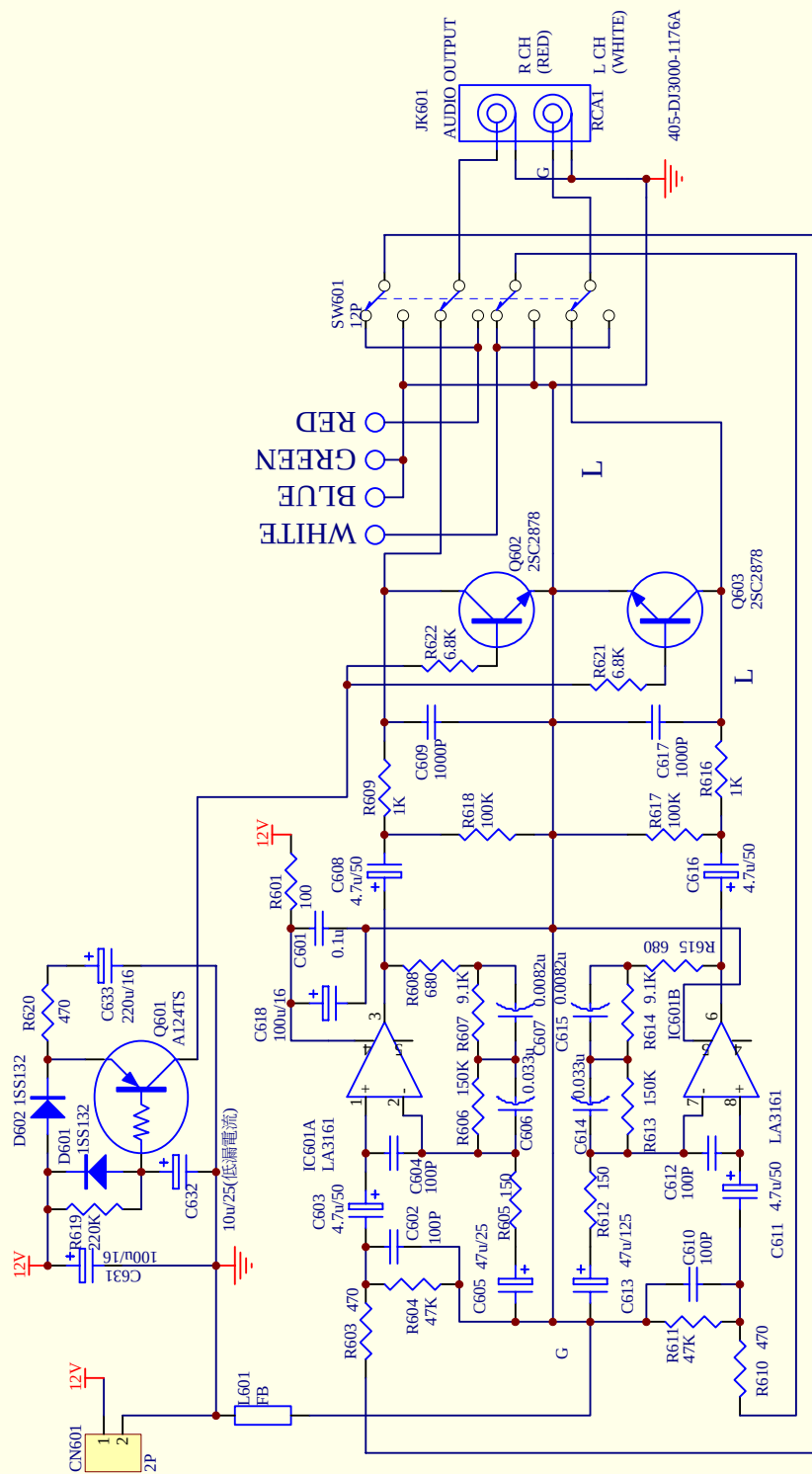
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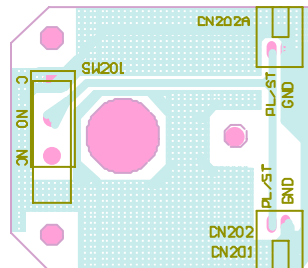
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APPROVED	CHECKED	DRAWING
HANPIN ELECTRON CO.,LTD		
DJ3000 PHONO/LINE		
Title:	Number: 405-DJ3000-1176A	Revision: 1
Size:		
DATE: 23-Mar-2006	File: C:\Documents and Settings\Administrator\桌面	

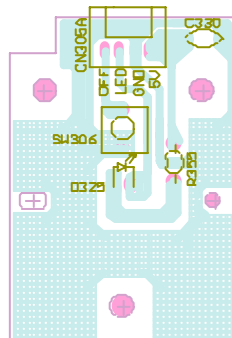
405-DJ5000-1167 □

PLAY/STOP & SUB START □

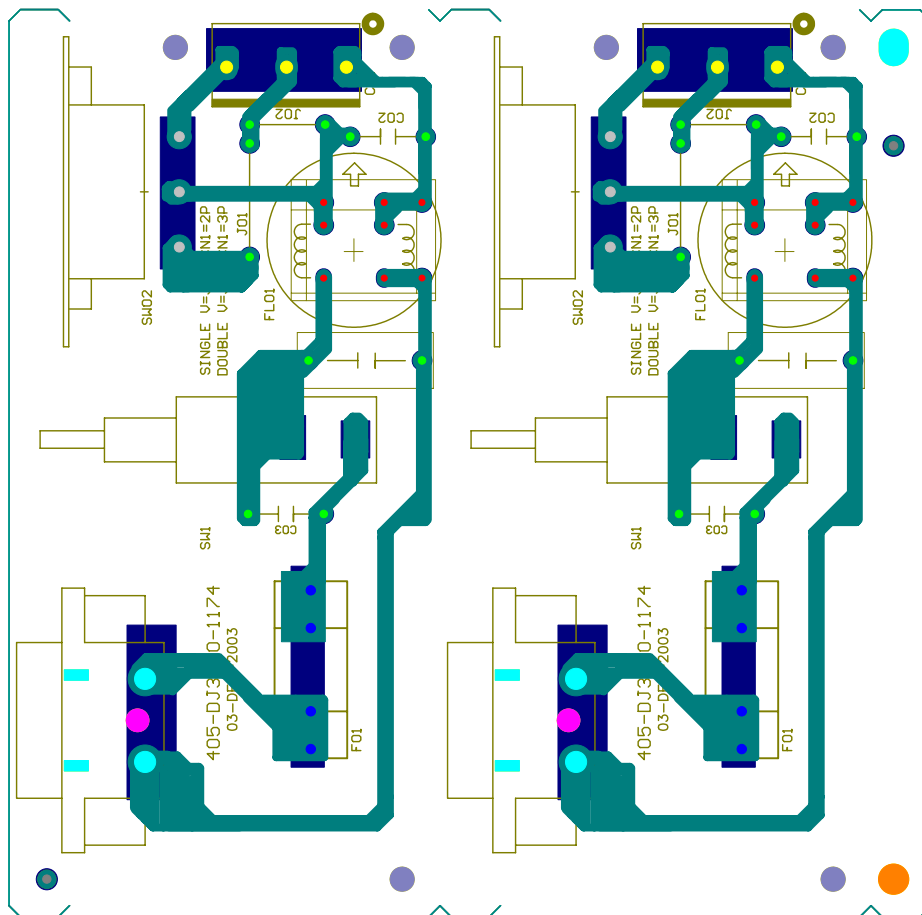


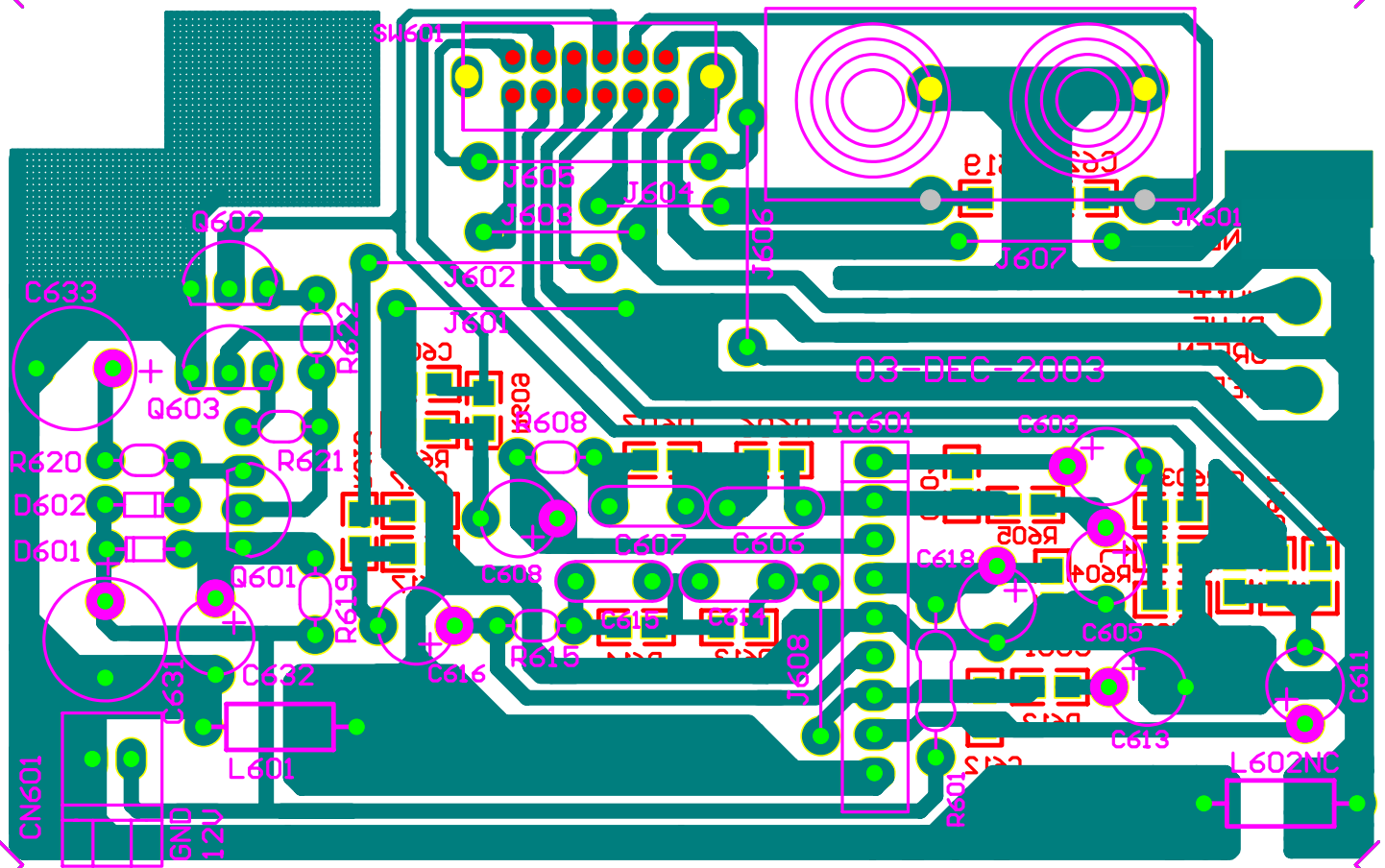
405-DJ5000-1164 □

MOTOR OFF PCB

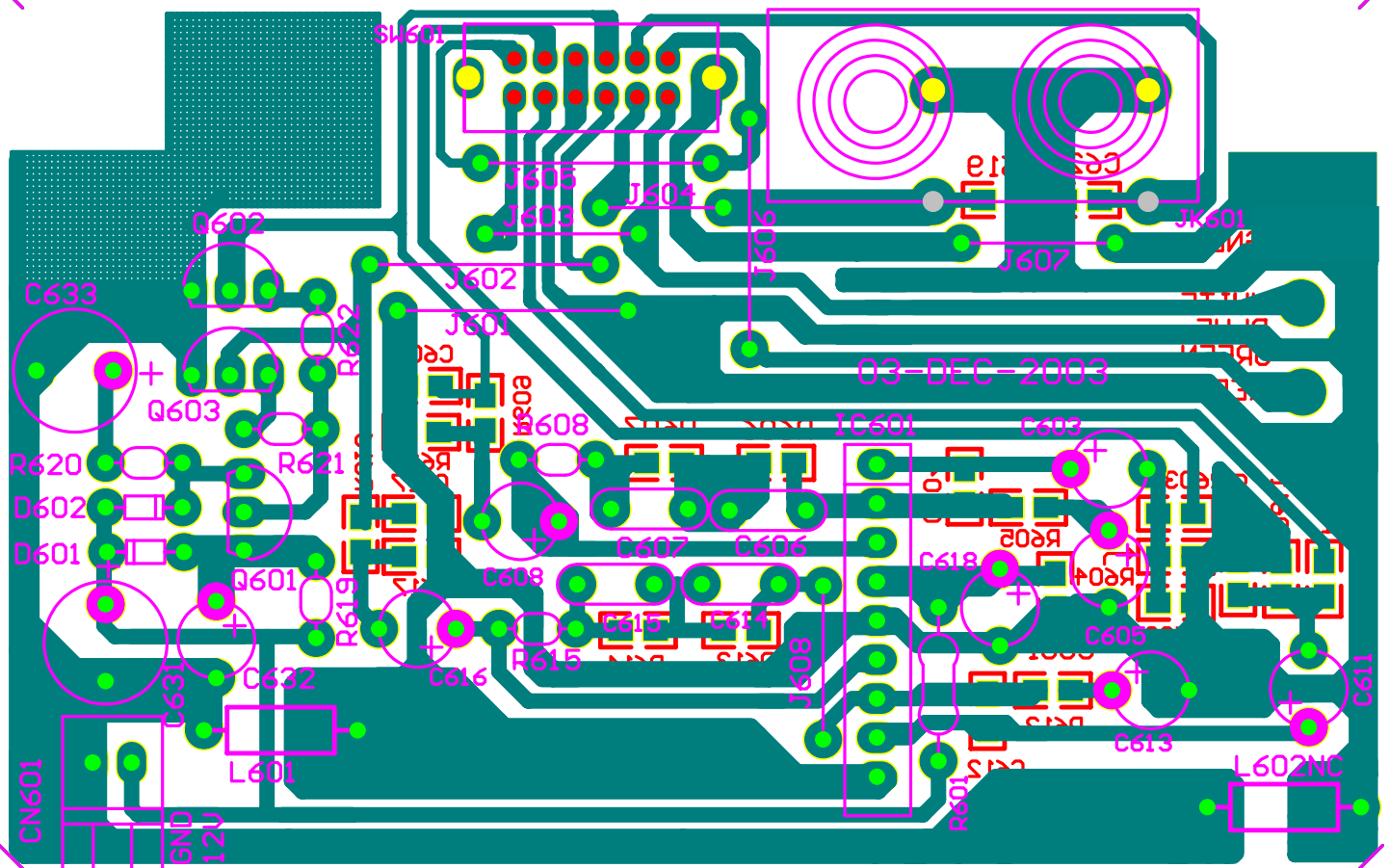


405-DJ3000-1174
POWER PCB





405-DJ3000-1176A □
OUTPUT PCB



Printed Circuit Board Diagram

405-STR880-670B
D.D. MOTOR PCB

405-STR880-670B
09-SEP-2004

23

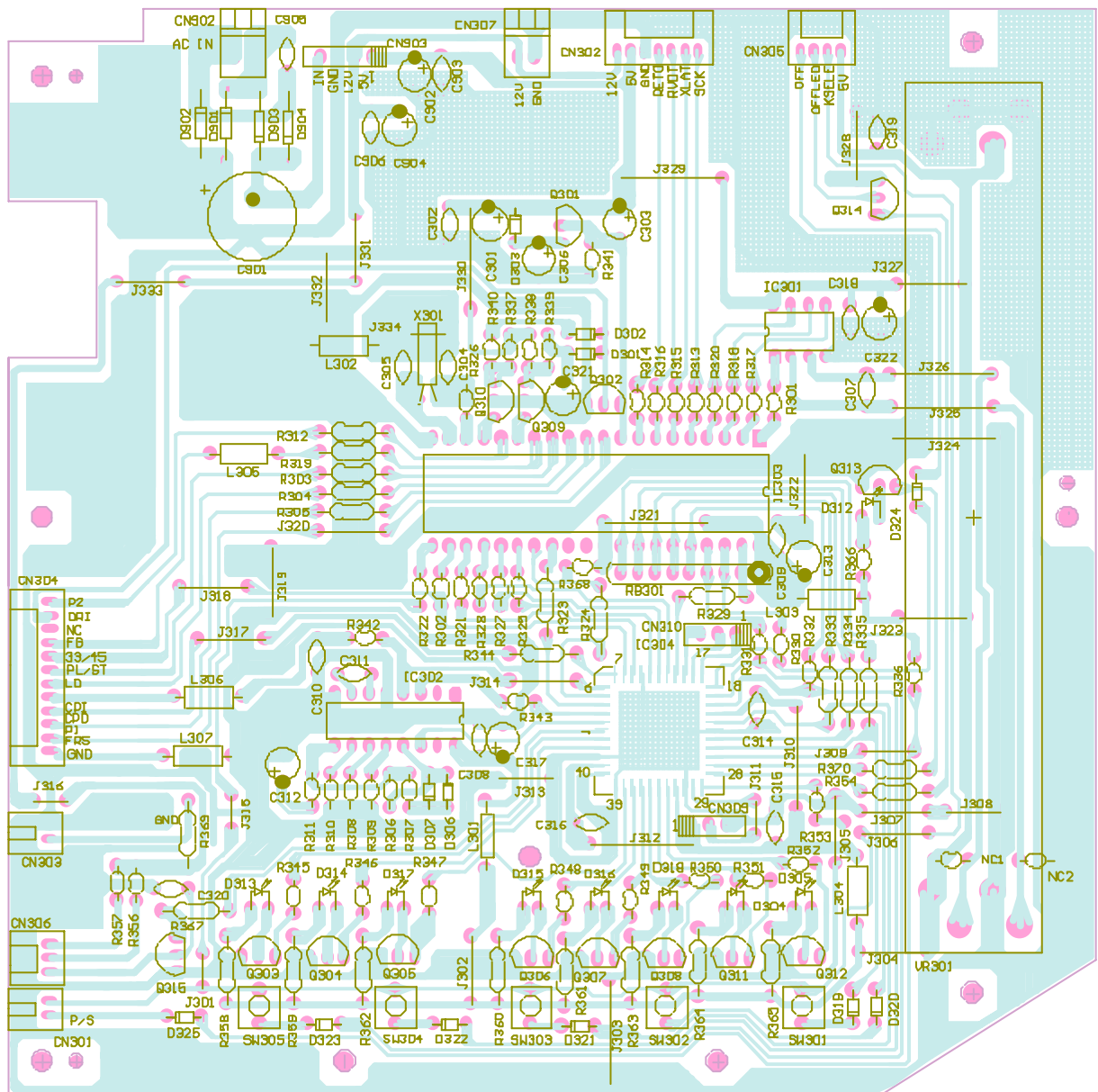
Printed Circuit Board Diagram

405-STR880-670B
D.D. MOTOR PCB

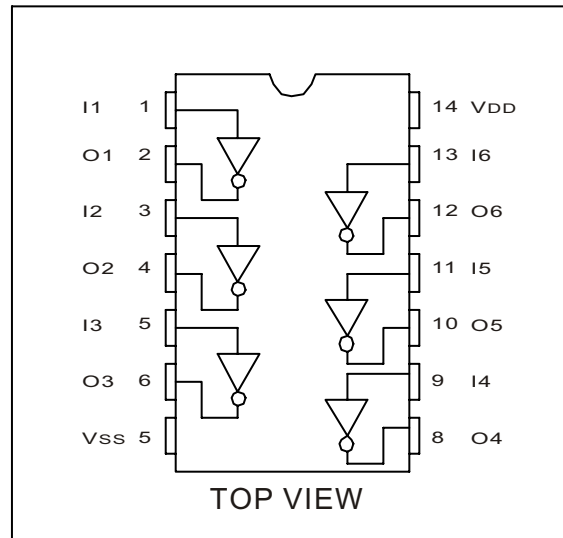
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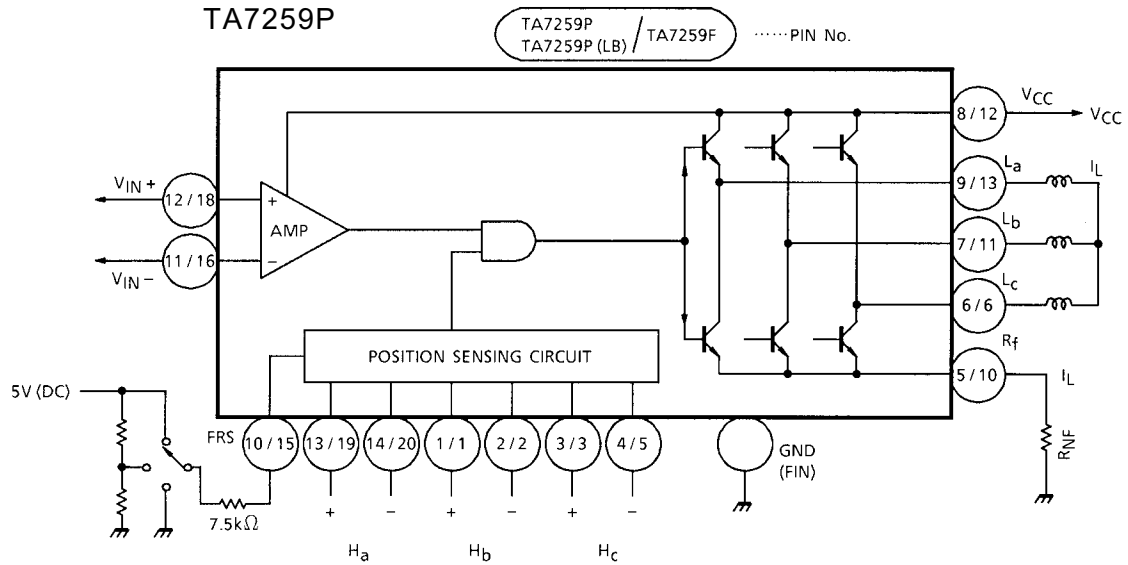
405-DJ3000-1168 □ MAIN PCB



417-DJ2000-235
TC4069UB

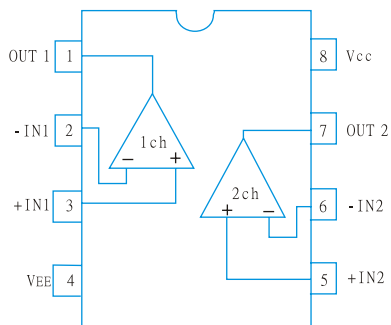


417-DJ3000-333
TA7259P

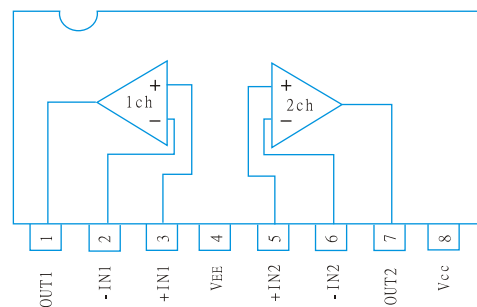


417-KE200X-042

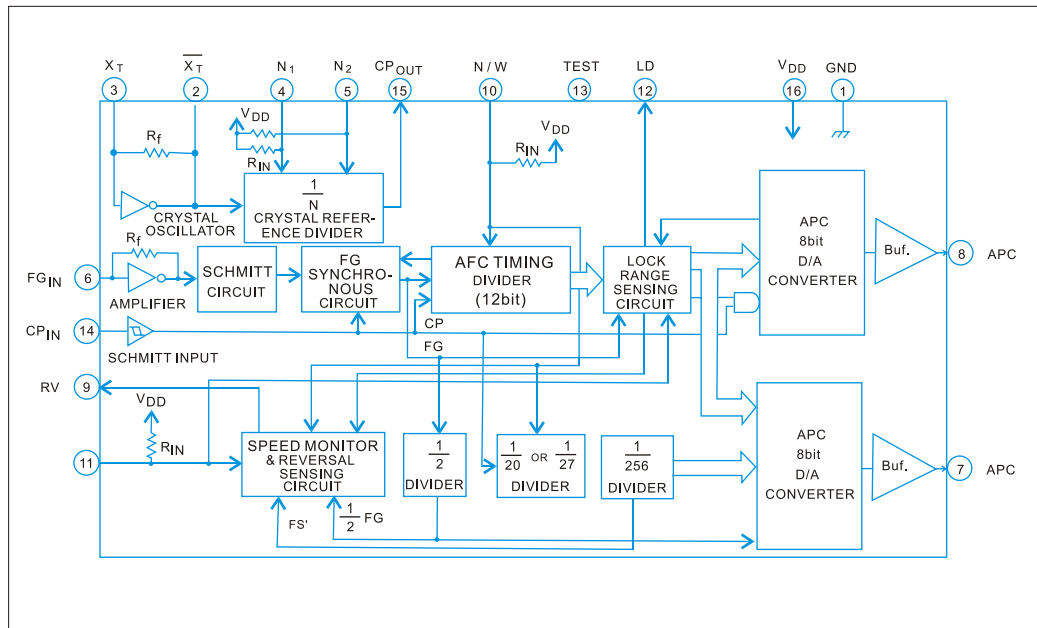
BA10358/BA10358F



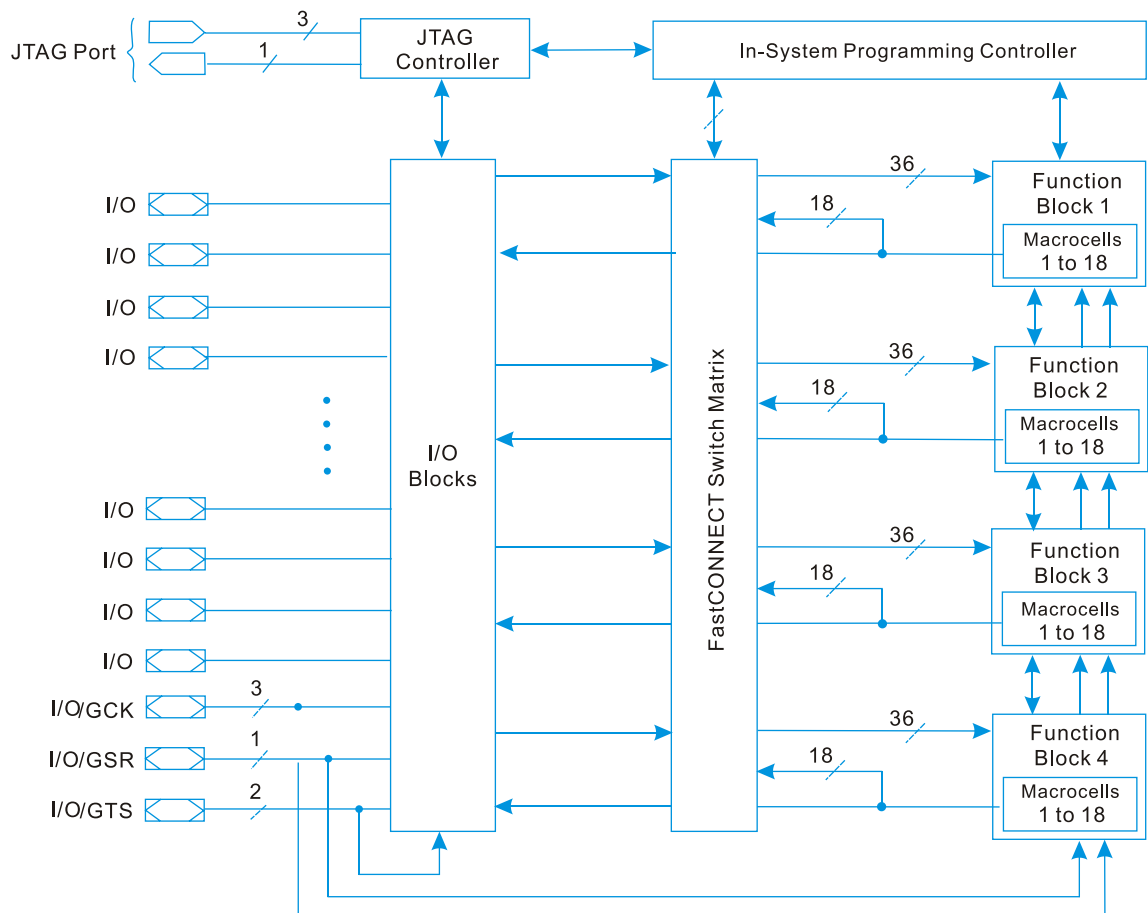
BA10358N



417-DJ2500-271
TC9242/TC9242P



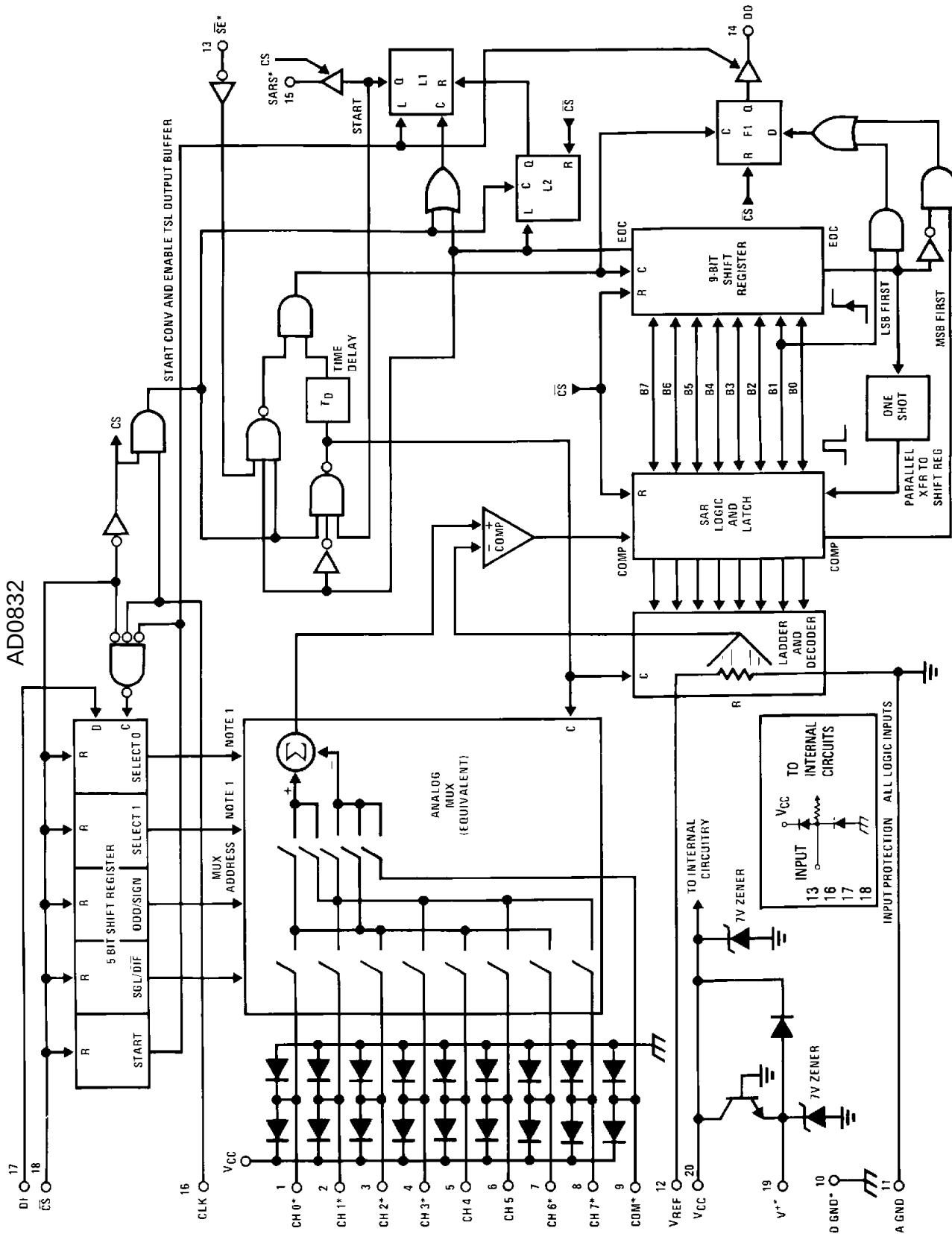
417-DJ3000-346
XC9572-15C



ADC0838 Functional Block Diagram

417-CD6000-286

AD0832



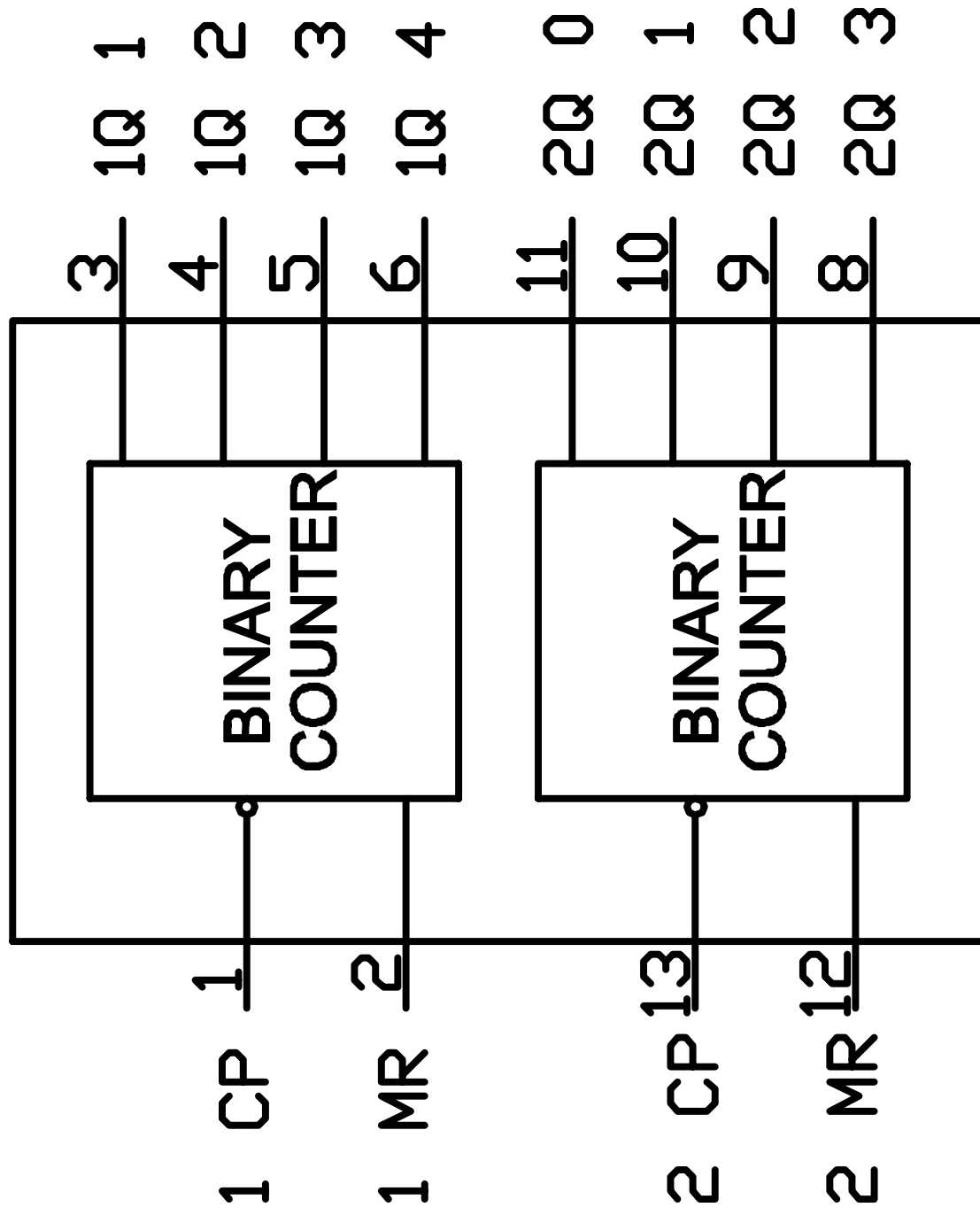
00558307

*Some of these functions/pins are not available with other options.

Note 1: For the ADC0834, D1 is input directly to the D input of SELECT 1. SELECT 0 is forced to a "0" and SELECT 1 is forced to a "1".

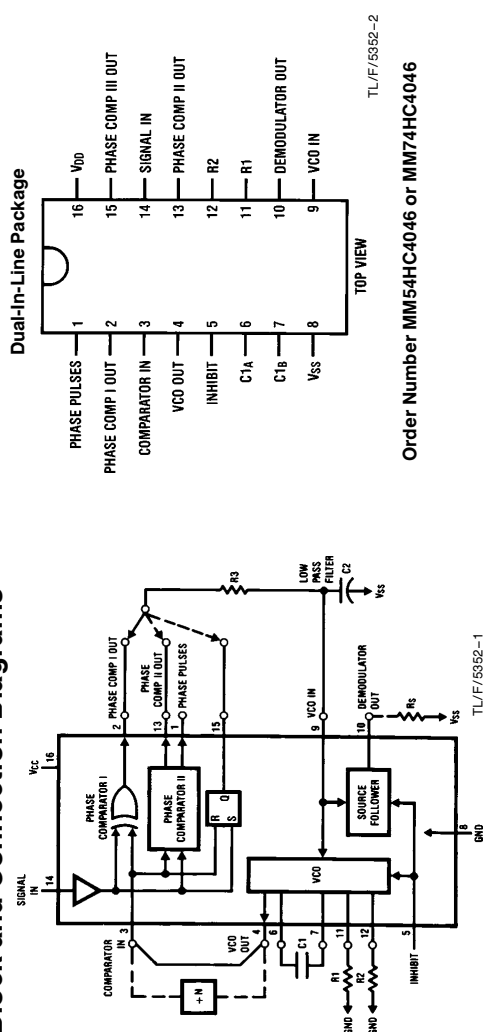
417-DJ2500-272

74HC393



417-DJ3000-345
MM74HC4046NDIP16

Block and Connection Diagrams

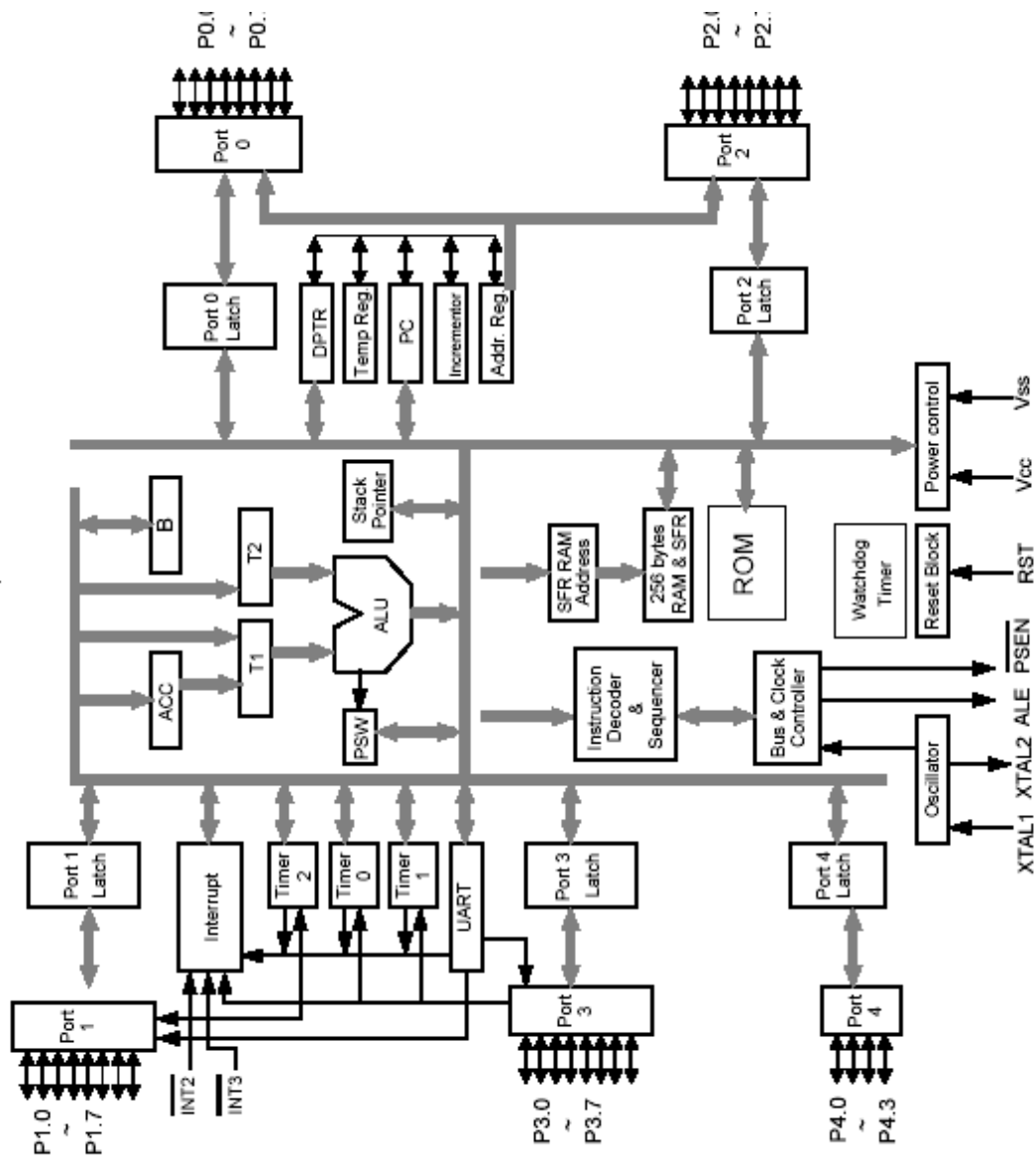


Order Number MM54HC4046 or MM74HC4046

TL/F/5352-2

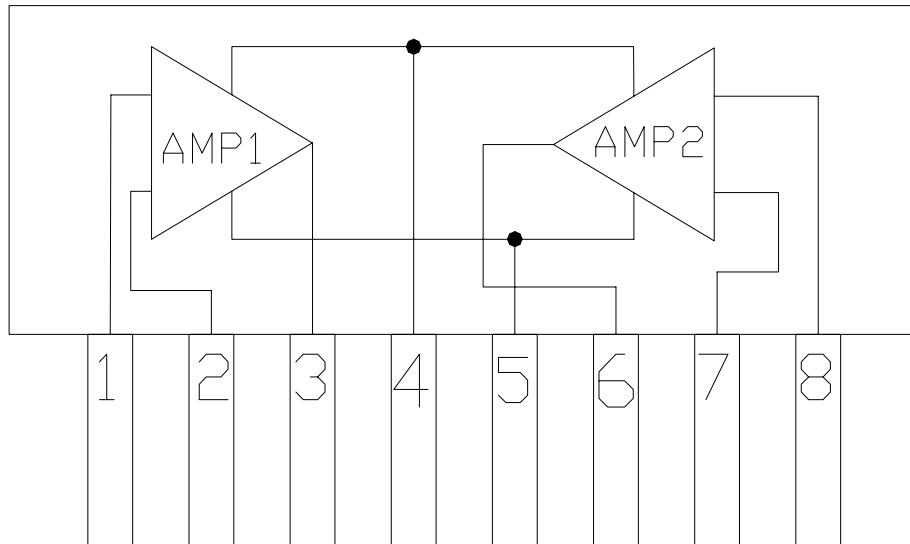
TL/F/5352-1

417-HV3288K-225C
W78E52C-40,DIP-40

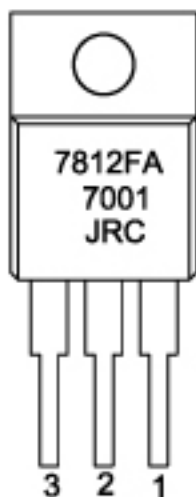


IC BLOCK DIAGRAM AND LEAD IDENTIFICATION

417-F606-720
LA3161

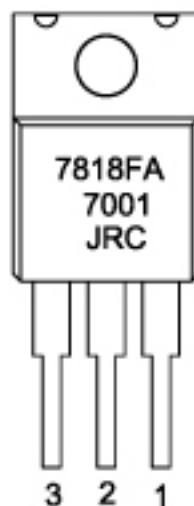


PIN NO.	DESCRIPTION
1	INPUT 1
2	N.F.B.1
3	OUTPUT 1
4	VCC
5	GND
6	OUTPUT 2
7	N.F.B. 2
8	INPUT 2



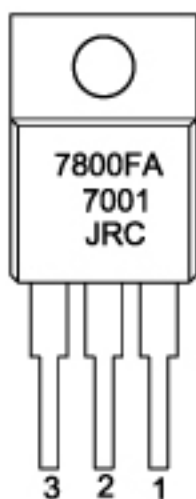
417-BJ1900L-231
NJM7812FA

- 1. OUTPUT
- 2. COMMON
- 3. INPUT



417-DJ3000-336
NJM7818FA

- 1. OUTPUT
- 2. COMMON
- 3. INPUT

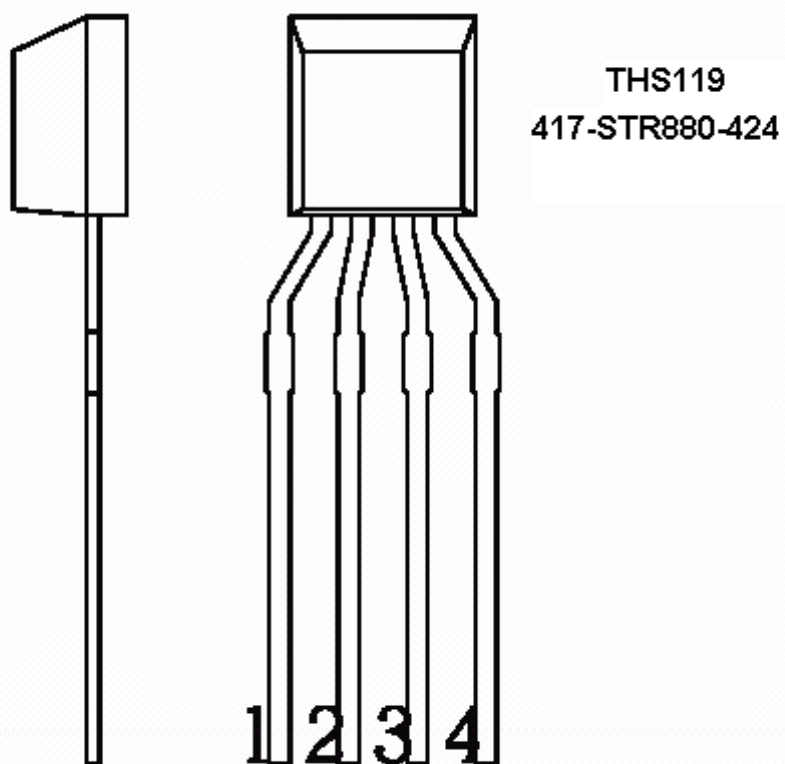


417-KC730-123
NJM7800FA

- 1. OUTPUT
- 2. COMMON
- 3. INPUT

417-PMSE1-161
78L05





Make sure of the followings before you consider as any malfunctions:

1. Are all the connections correct?
2. Is the set being operated correctly in accordance with the operating instructions:
3. Are the speakers and amplifiers function correctly?

<i>SYMPTOMS</i>	<i>CHECK</i>
Stylus does not lower onto record	Is the stylus pressure properly adjusted? Is the arm's horizontal balance adjusted?
No sound is produced	Are the cartridge and head shell properly connected? Are the output cords properly connected to the amplifier? Are the amplifier's adjustments and settings correct?
Booming sound is heard	Is the ground wire on the output cord connected? Are the output cord's plugs securely connected? Is the head shell's lock nut securely tightened?
Stylus skips	Is the stylus pressure properly adjusted? Is the record warped or scratched? Is there dust on the stylus?
Arm stops halfway across the record	Is the record scratched? Is the arm hitting some object?
Sound is too weak or too strong	Is the amplifier's connection selector (MC or MM) set to the proper setting for the type (output) of the cartridge being used?