



**SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA**

THOMSON ALTIMA 380

Version (PC*) : A

*PC : The version code is indicated either in the battery compartment or on the back of the unit - Ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC : Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - Il codice della versione è indicato nello scompartimento delle batterie o sul retro dell'apparecchio - El código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



**Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Características del aparato**

Type of set : Type d'appareil : Geräteart : Tipo d'apparecchio : Tipo de aparato :	Cassette radio recorder / compact disc Combiné radio cassette / CD CD-Radio Cassetten Portable Insieme radio cassette / CD Radio cassette / CD		
Power supply : Alimentation : Stromversorgung : Alimentazione : Alimentación :	230 V ~ 50Hz	Nominal output power : Puissance nominale de sortie : Nennausgangsleistung : Potenza nominale di uscita : Potencia nominal de salida :	2 x 25 W (rms)
FM - MF : MW - PO : LW - GO :	87,5 - 108 MHz 522 - 1611 kHz 150 - 283 kHz	Sensitivity : Sensibilité : Empfindlichkeit : Sensibilità : Sensibilidad :	FM - MF : 8 µV (S/N = 30 dB) MW - PO : 800 µV/m (S/N = 20 dB) LW - GO : 2000 µV/m (S/N = 20 dB)
Frequency response : Courbe de réponse : Frequenzgang : Curva di risposta : Curva de respuesta :	125Hz - 8 kHz (-5 dB)	Signal to noise ratio : Rapport signal / bruit : Geräuschspannungsabstand : Rapporto segnale / disturbo : Relación señal / ruido :	42 dB
Wow and flutter : Fluctuations : Gleichlauf : Fluttuazioni : Fluctuaciones :	0,3 %		4,76 cm/S C60 : 170 S
Disc rotation speed : Vitesse de rotation du disque : CD-Drehgeschwindigkeit : Velocità di rotazione del disco : Velocidad de rotación del disco :	200 → 500 tr/m	Frequency response : Courbe de réponse : Frequenzgang : Curva di risposta : Curva de respuesta :	40 Hz - 20 kHz (±3 dB)
DAD Total harmonic distortion : Distorsion harmonique : Klirrfaktor : Distorsión armónica : Distorsione armonica :	1 % CD = 10 db f = 1 kHz	Signal to noise ratio : Rapport signal / bruit : Geräuschspannungsabstand : Rapporto segnale / disturbo : Relación señal / ruido :	60 dB



WARNING : Before servicing this chassis read the safety recommendations.
ATTENTION : Avant toute intervention sur ce châssis, lire les recommandations de sécurité.
ACHTUNG : Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.
ATTENZIONE : Prima di intervenire sullo chassis, leggere le norme di sicurezza.
IMPORTANTE : Antes de cualquier intervención, leer las recomendaciones de seguridad.

Code : 351 016 80 - 0100 / 3,8M - CRKD 2503 Print. MALGOOGNE/SAILLOUR - AVRILLE



CLASS 1 LASER PRODUCT
APPAREIL A LASER DE CLASSE 1
LASER KLASSE 1
APARATO CON LASER DE CLASE 1
APPARECCHIO CON LASER DI CLASSE 1

DANGER : Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

ATTENTION : Le rayon laser est invisible. Eviter l'exposition directe lors de la maintenance.

VORSICHT BEI REPARATUREN : Bei geöffneter Schublade und Defekt der Sicherheitsvorrichtungen besteht die Gefahr unsichtbaren Laserlichts. Niemals direkt in den Laserstrahl sehen.

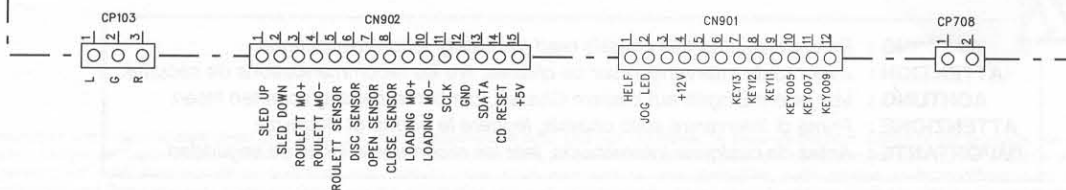
ATTENZIONE : Il raggio laser è invisibile. Evitare l'esposizione diretta durante la manutenzione.

IMPORTANTE : El rayo laser es invisible. Evitar la exposición directa en el momento del mantenimiento.

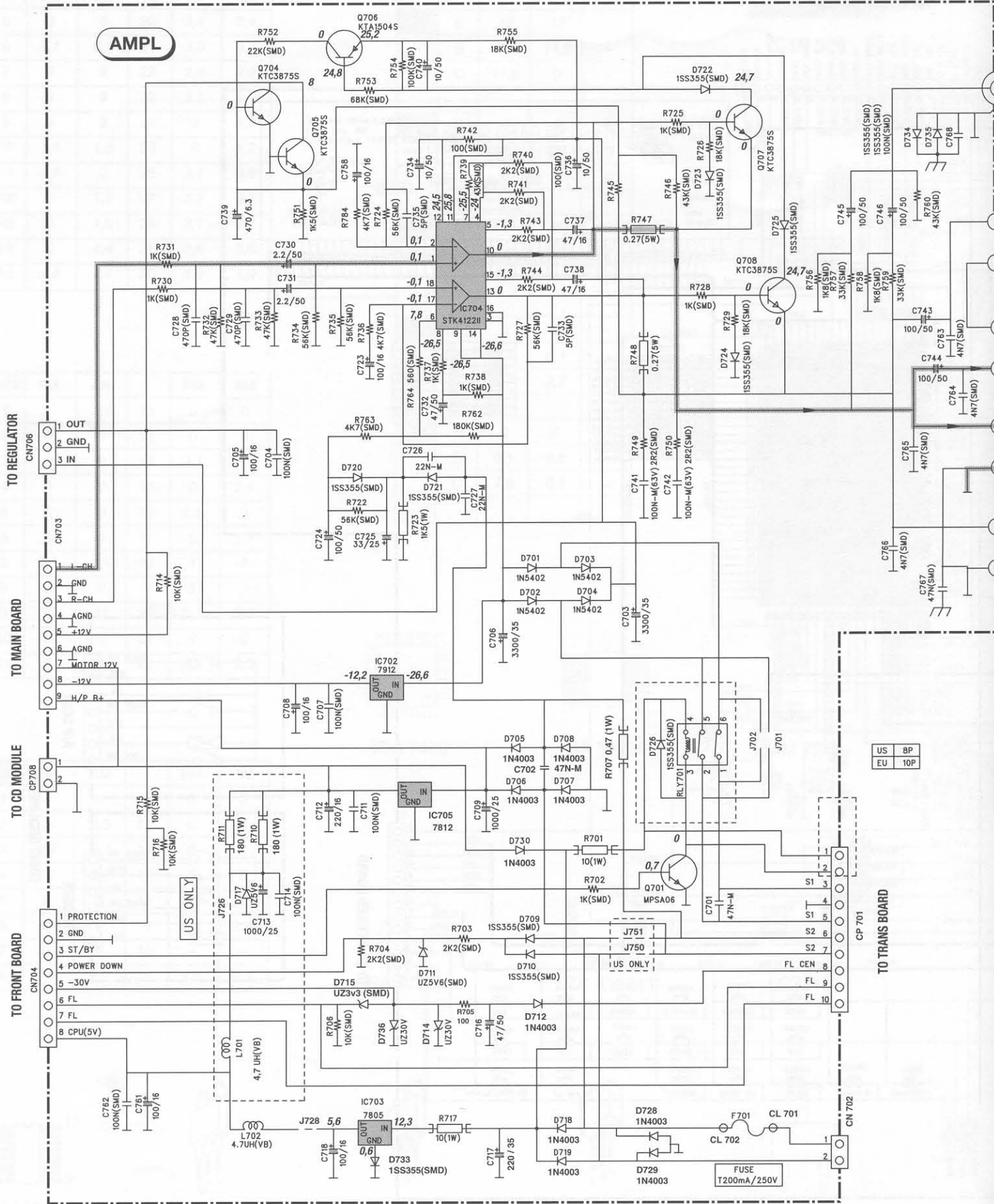
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE - ESQUEMA DEL TRATAMIENTO DIGITAL

The complete Digital Processing Module is available from A. S. S. under Part Number :
En SAV, l'ensemble du module traitement digital est géré sous le code :
Die Service Bestell-Nr. für das Modul "Digital Processing kompl." ist :
Il codice del modulo completo di elaborazione digitale è :
En postventa, el modulo completo tratamiento digital lleva el código :

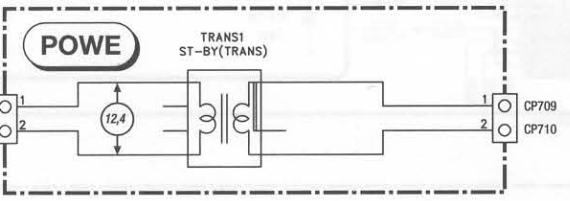
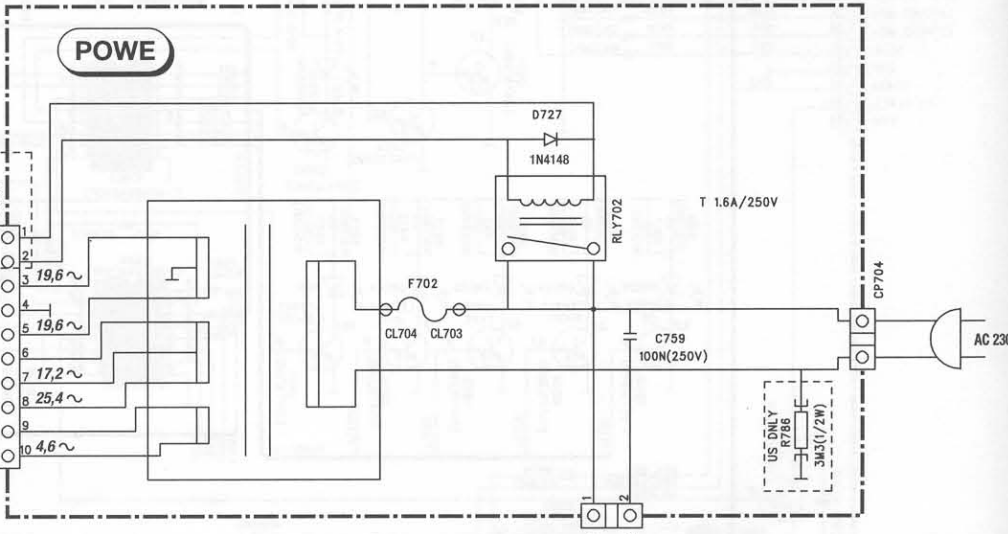
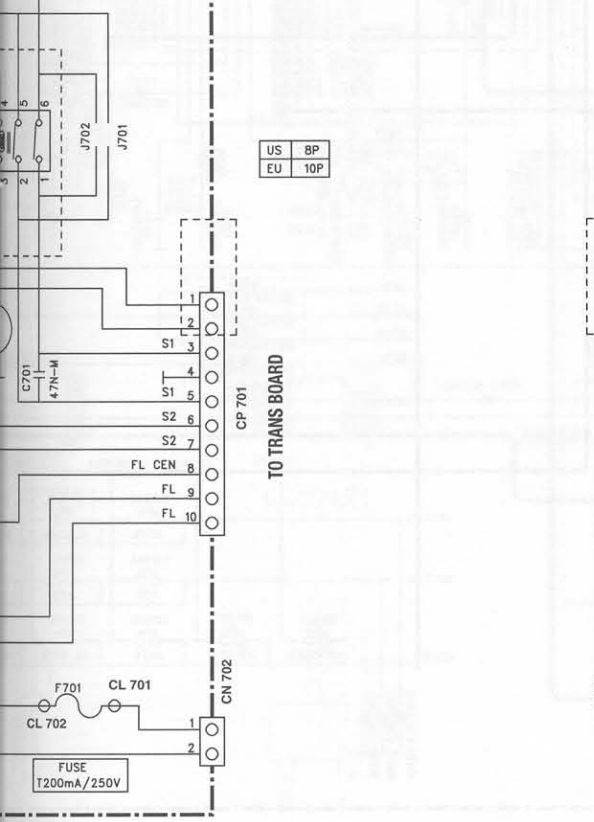
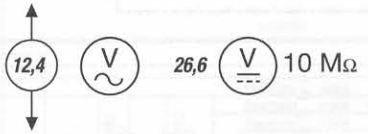
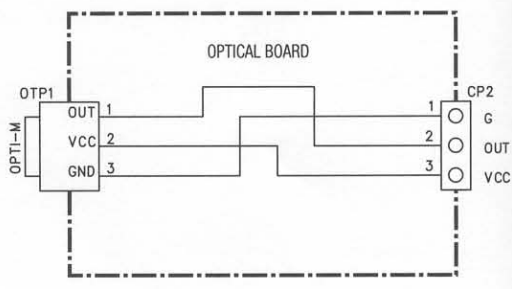
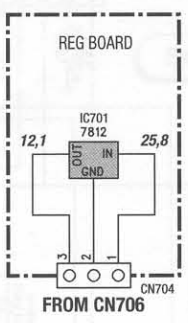
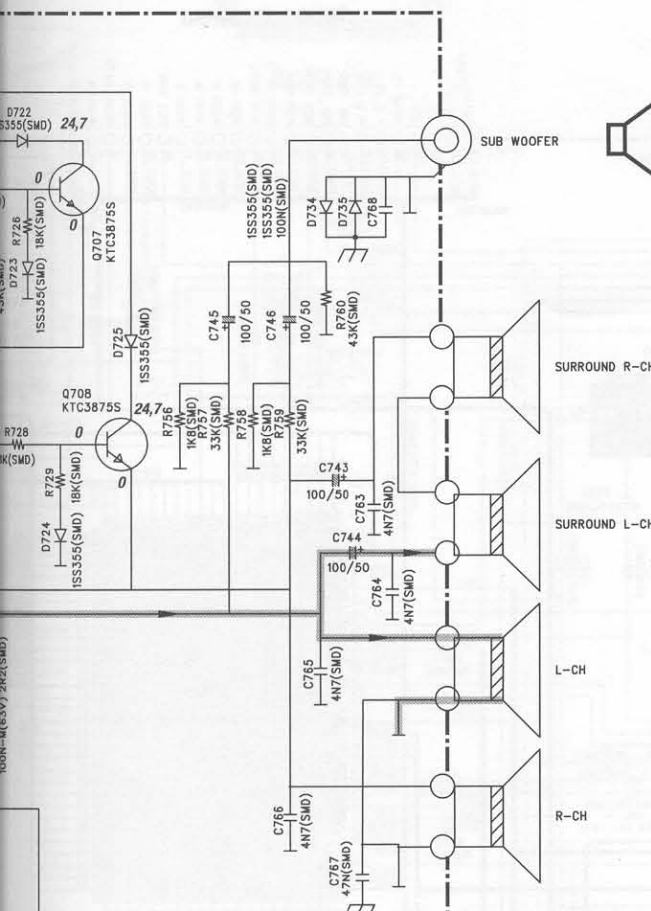
106 564 90

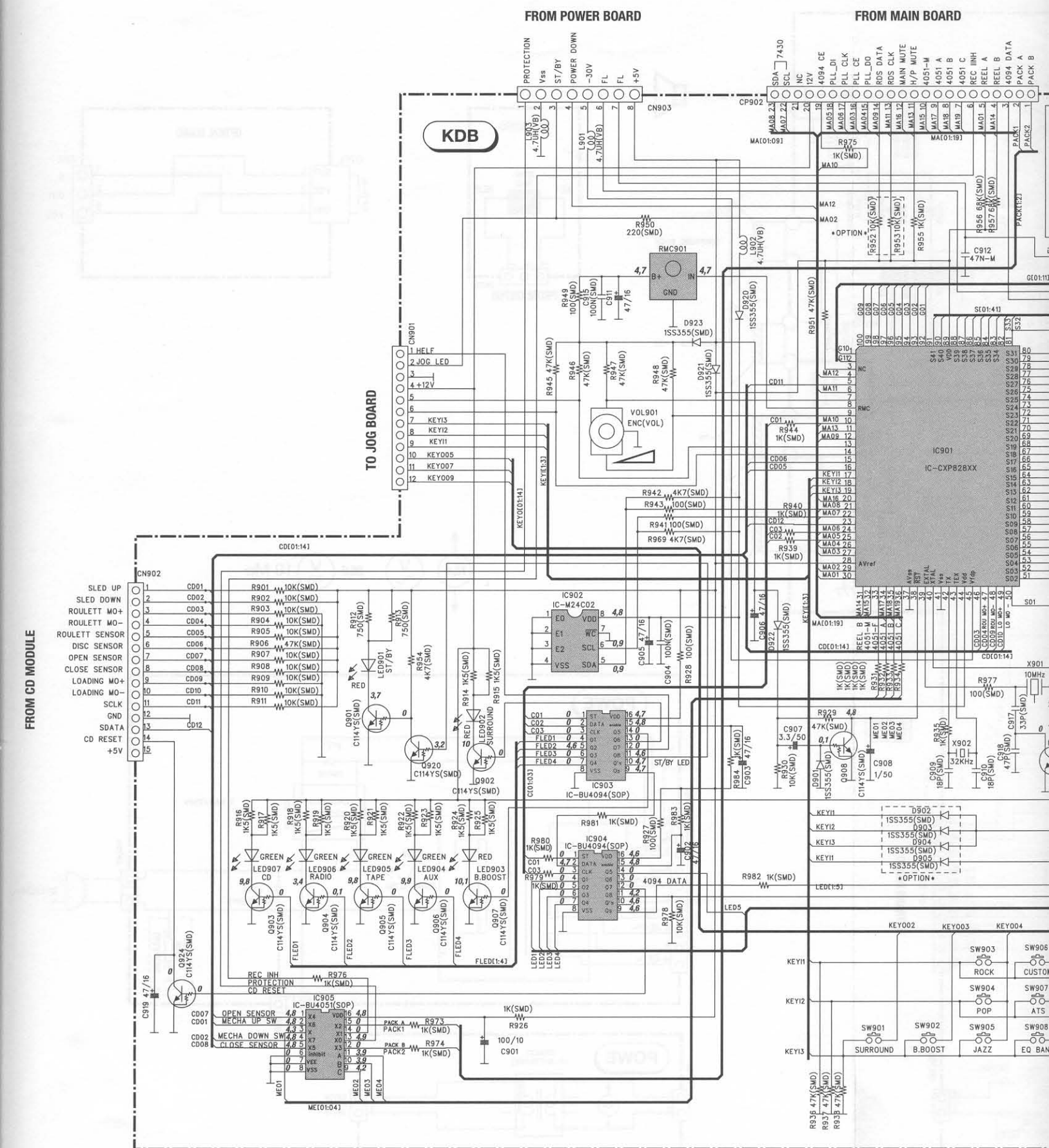


AMPLIFIER AND POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR ET DE L'ALIMENTATION - SCHEMA DELL'AMPLIFICATORE E DELL'ALIMENTAZIONE - ESQUEMA DEL AMPLIFICADOR Y DE L'ALIMENTACION

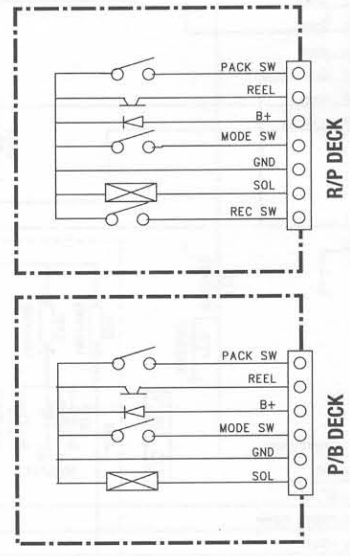
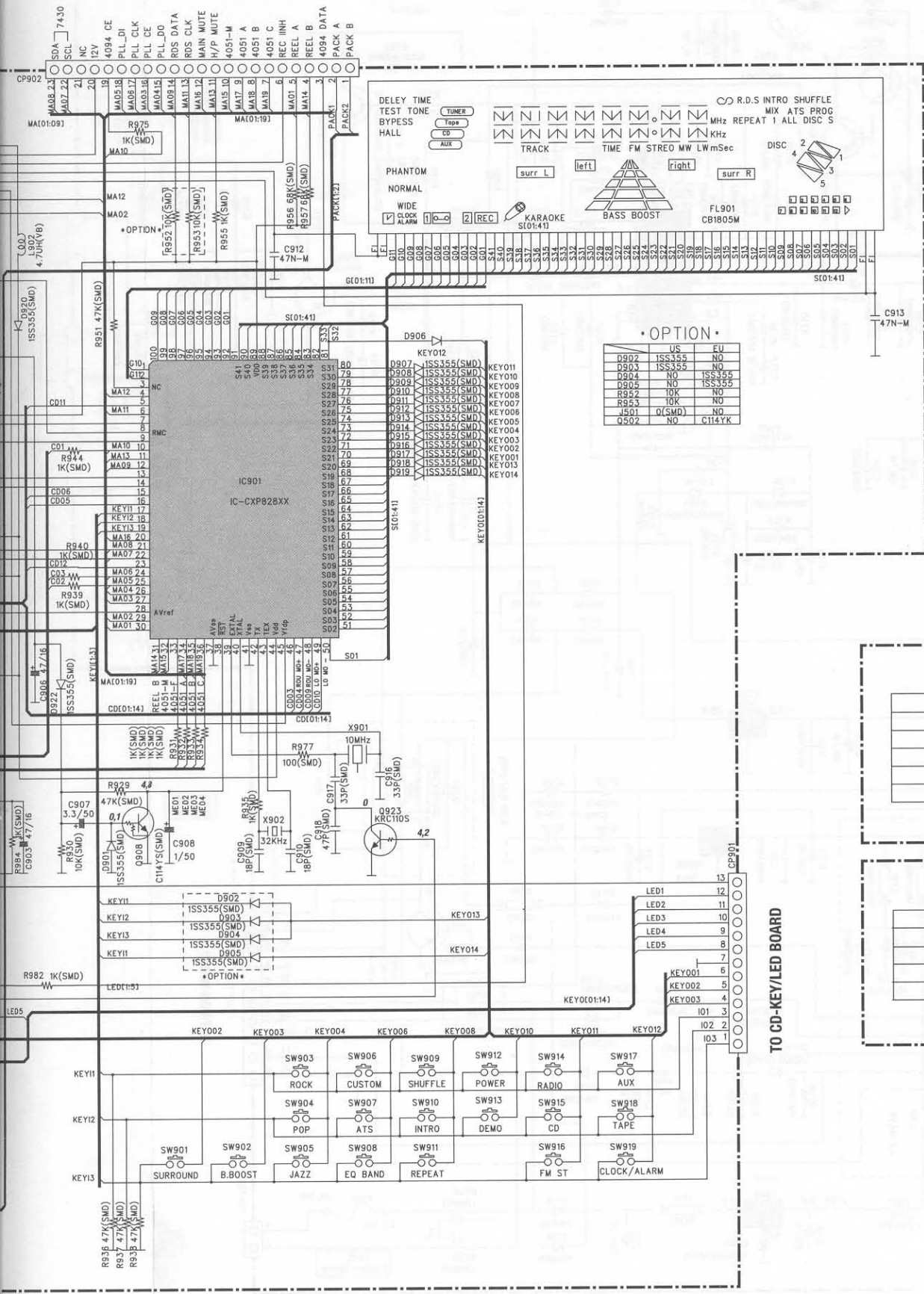


DE L'AMPLIFICATEUR ET DE L'ALIMENTATION - SCHALTBIKD ENDVERSTÄRKER UND NETZTEIL -
 MA DEL AMPLIFICADOR Y DE LA ALIMENTACIÓN





FROM MAIN BOARD



TO CD-KEY/LED BOARD

LOGIC DECK MECHA

R/P DECK

P/B DECK

KEYY01 KEYY02 KEYY03 KEYY04 KEYY06 KEYY08 KEYY10 KEYY11 KEYY12 KEYY13

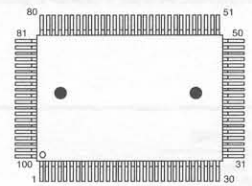
SW903 SW904 SW906 SW907 SW909 SW910 SW912 SW913 SW914 SW915 SW917 SW918 SW919

IC01	FM	AM		FM	AM
1	3,6	3,6	16	4,3	4,3
2	9	9	17	4,3	4,3
3	3,6	3,6	18	4,3	4,3
4	3,6	3,6	19	4,3	4,3
5	0	0	20	3,4	3,4
6	0,1	0,1	21	3,3	3,3
7	9	9	22	2,9	2,9
8	9	9	23	3,5	2,5
9	9	9	24	0	1,2
10	1,3	1,3	25	0	1,2
11	4,4	0	26	3,7	3,6
12	0	1,9	27	3,7	3,6
13	0	1,9	28	3,7	3,7
14	8	4,4	29	3,6	3,6
15	4,4	4,4	30	1,9	1,9

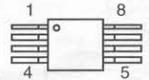
IC02	FM	AM		FM	AM
1	2,5	2,5	12	0	0
2	0	0	13	0	0
3	0	0	14	0,1	0,1
4	0	0	15	0	2,5
5	0	0	16	2,5	0
6	5	5	17	5	5,1
7	0,1	0,1	18	1	1
8	0	0	19	1	1
9	0	11	20	3,1	3,8
10	0	0	21	0	0
11	9	9	22	2,5	2,5

IC03	FM	AM		FM	AM
1	-	-	9	0	0
2	2	4,5	10	0	0
3	2,7	2,7	11	0	0
4	2,7	2,7	12	5	5
5	5	5	13	2,3	2,3
6	0	0	14	2,4	2,4
7	0	0	15	-	-
8	2,7	2,7	16	2,5	2,5

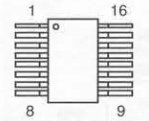
Réf.	pin	FM	MW	LW
Q1	E	1,8	0	-
	B	2,6	0	-
	C	9,7	0	-
Q2	E	12	12	-
	B	11,2	11,5	-
	C	11,8	0	-
Q3	E	0	0	0
	B	11,2	2,7	0
	C	0	0	0
Q4	E	0	0	0
	B	2,7	2,7	0
	C	0	0	1,4
Q5	E	0	0	-
	B	0,1	0,1	-
	C	2,7	2,7	-
Q6	E	0	0	-
	B	0,1	0,6	-
	C	7,9	0,1	-



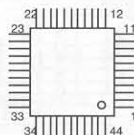
CXP 828



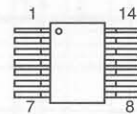
M24CO2
BA4558



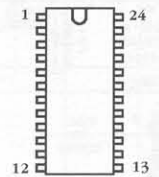
BU 4094
BU 4051
BU 1924



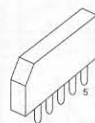
TDA 7430



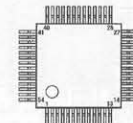
BA 10324



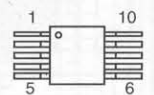
AM 7348



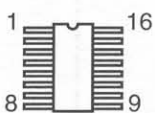
BA 7755A



STK 412211



LC72131



LA1837



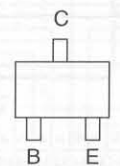
7912



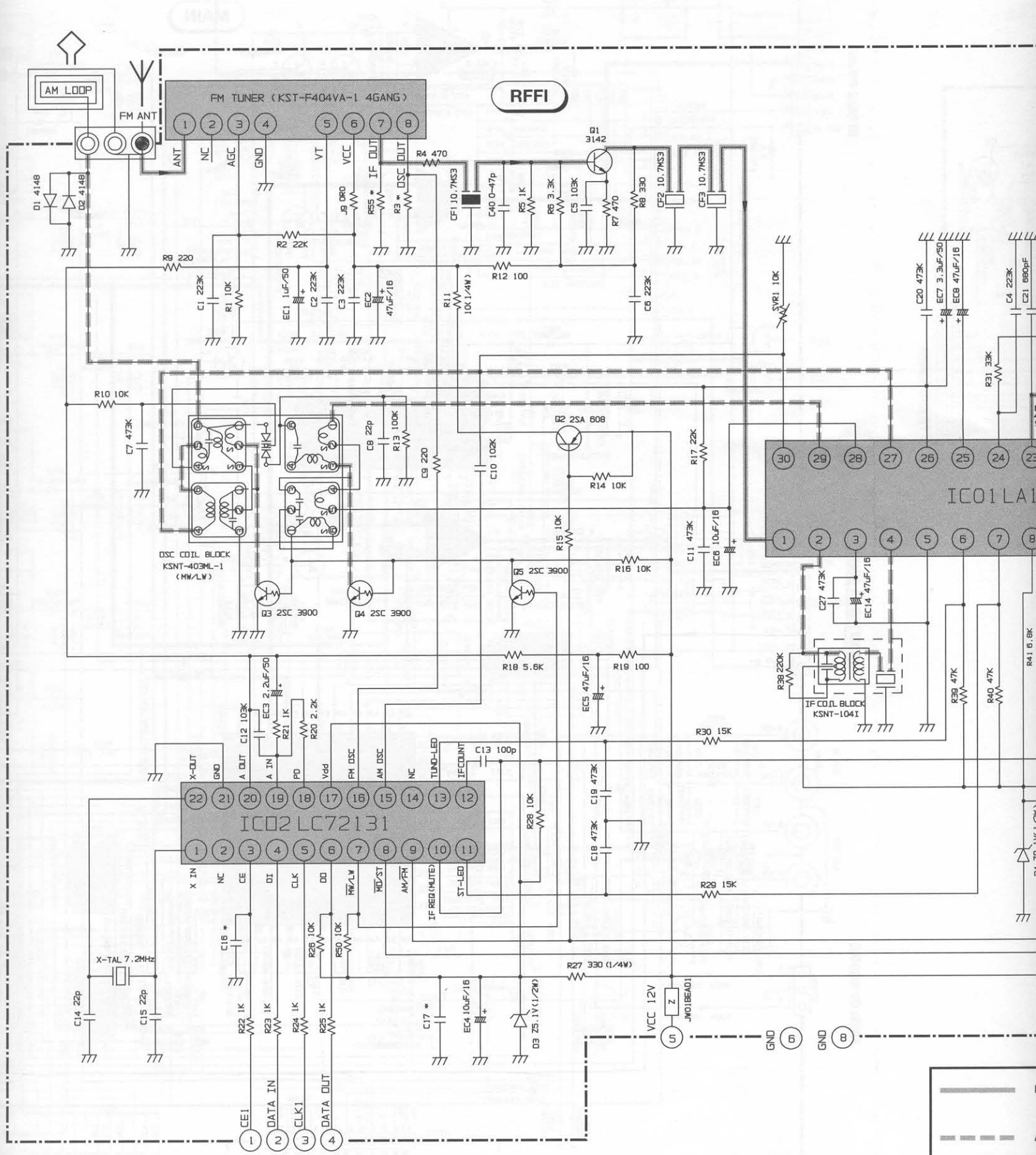
7812
7805

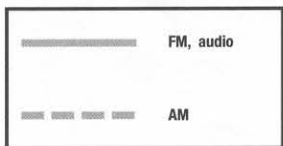
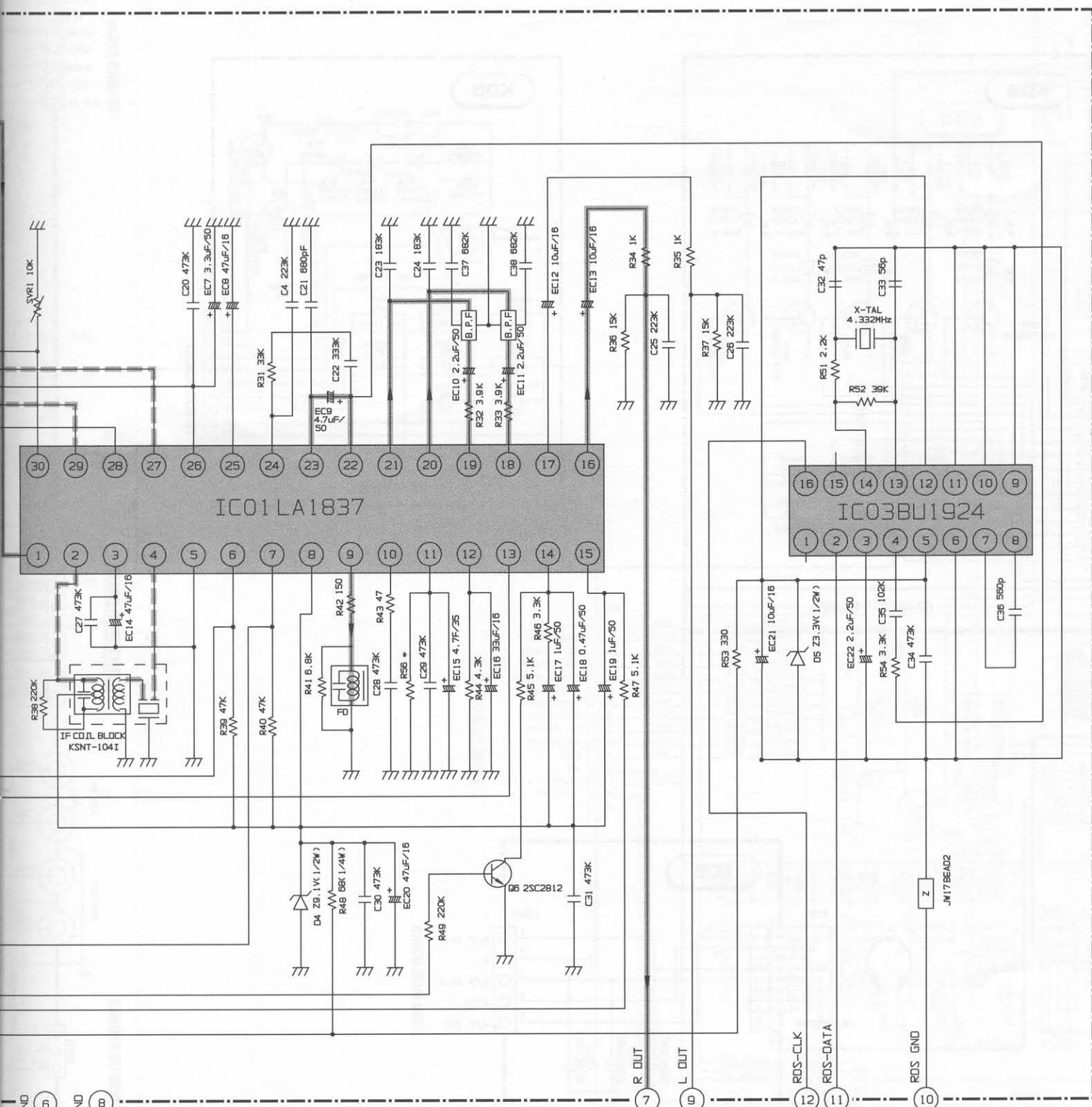


MPSA56

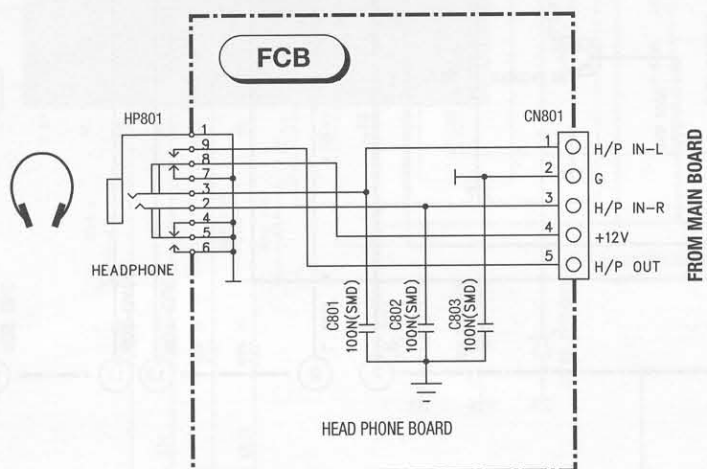
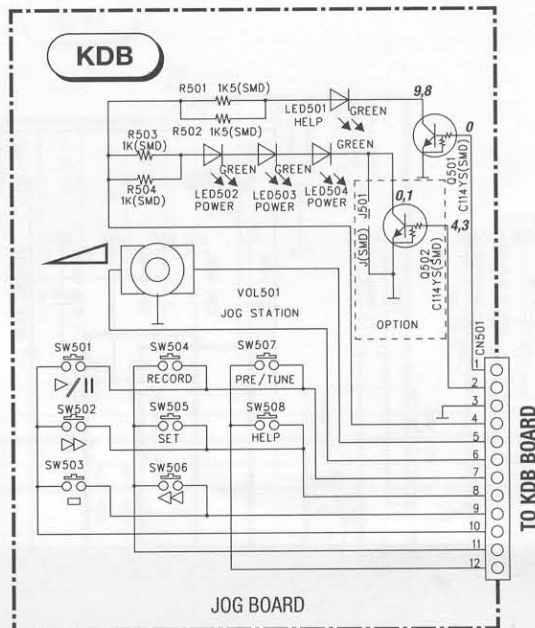
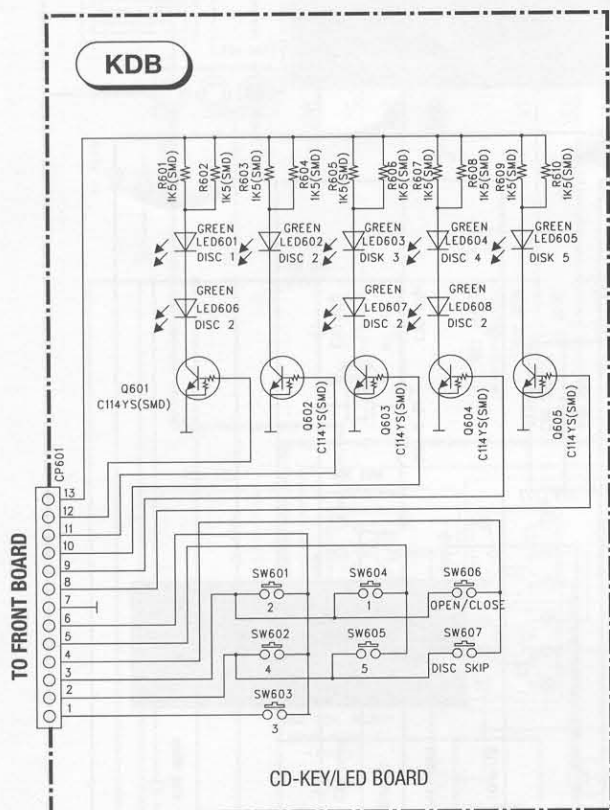


C114YS
DTC323TS
A114YS

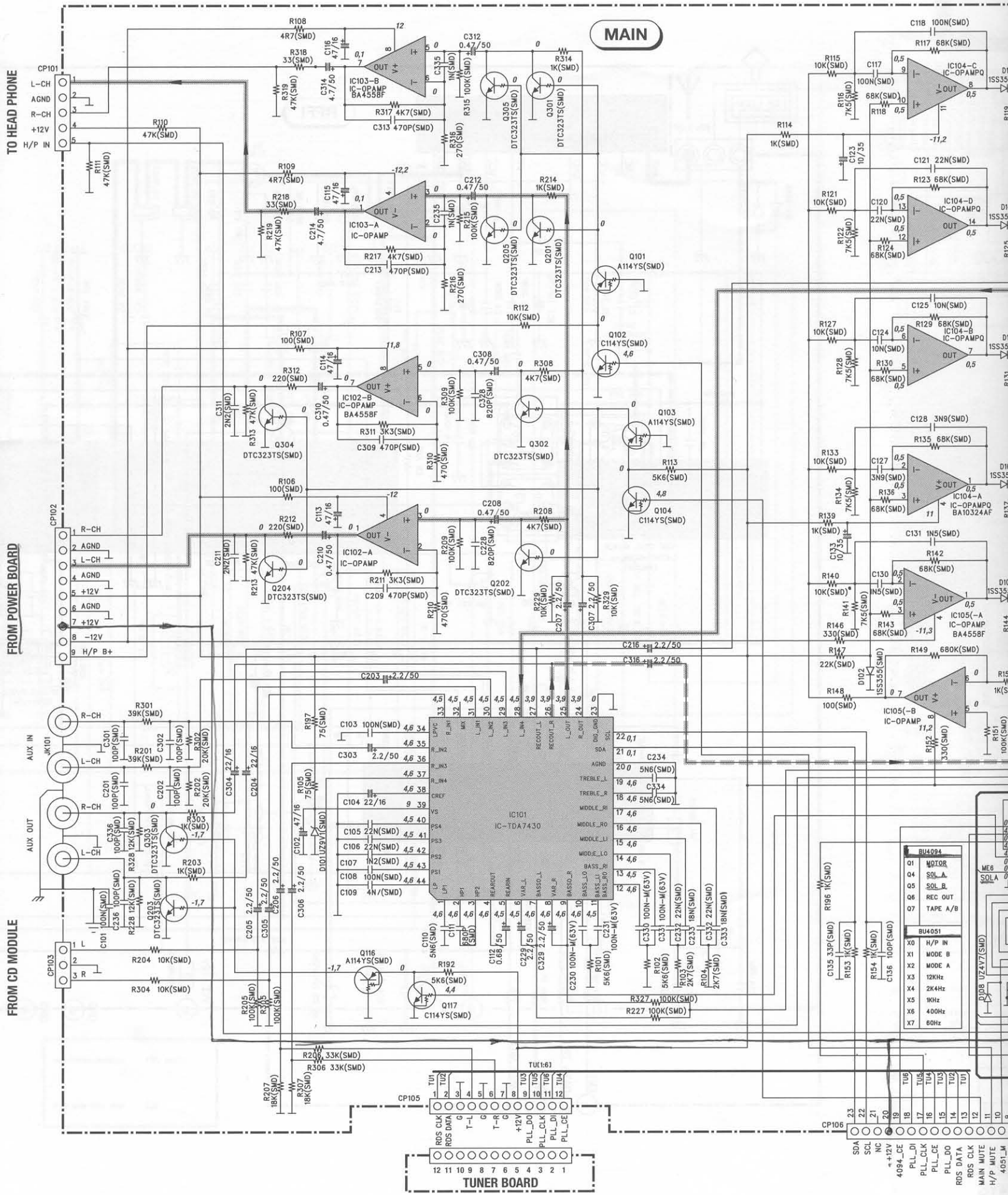




**CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR -
 BEDIENTEIL / ANZEIGE SCHALTBILD - SCHEMA COMANDI / INDICATORE -
 ESQUEMA MANDOS / INDICADOR**



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE

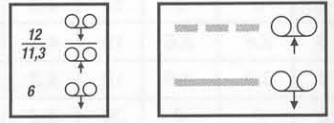
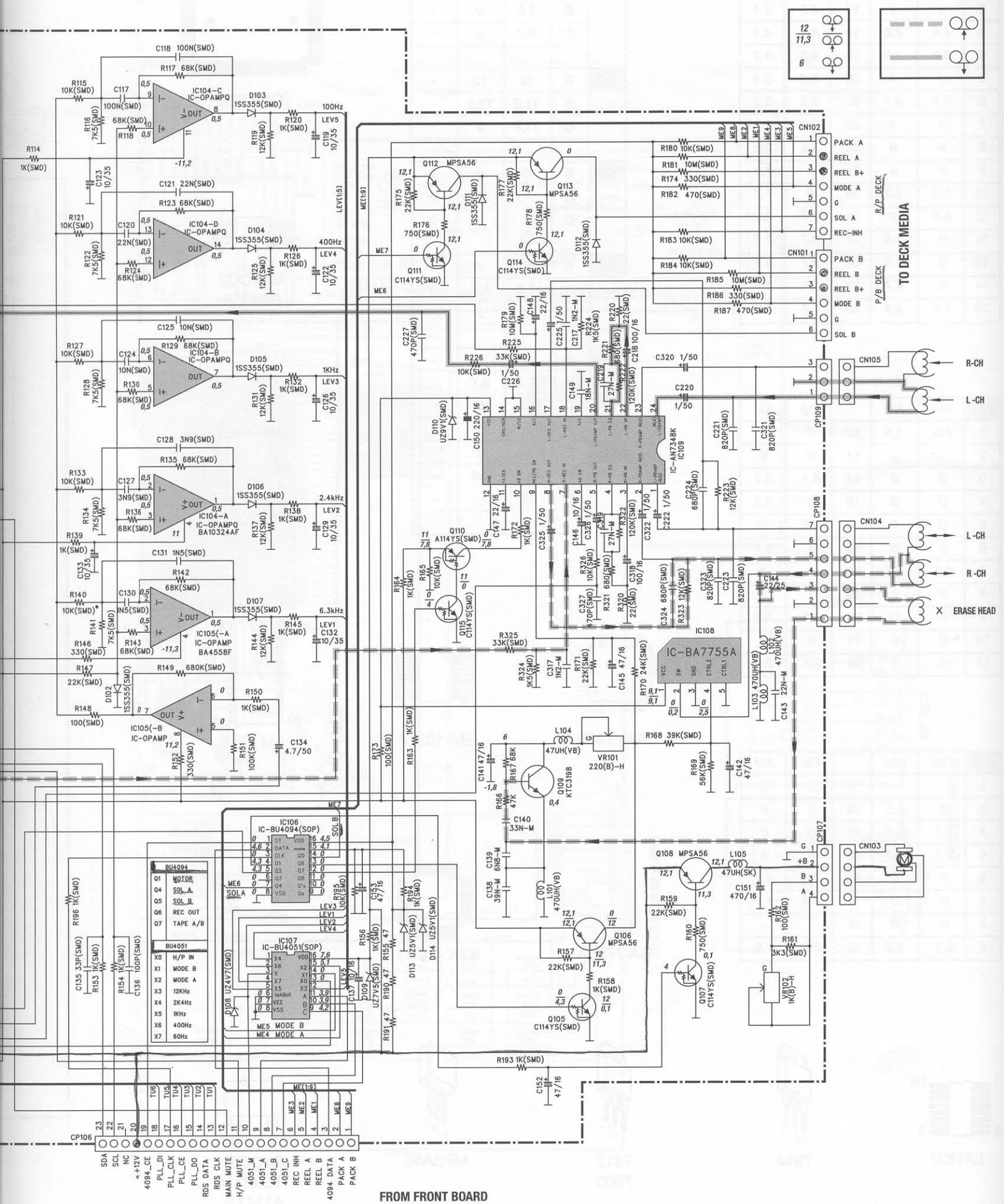


BU4024

Q1	MOTOR
Q4	SOL_A
Q5	SOL_B
Q6	REC OUT
Q7	TAPE A/B

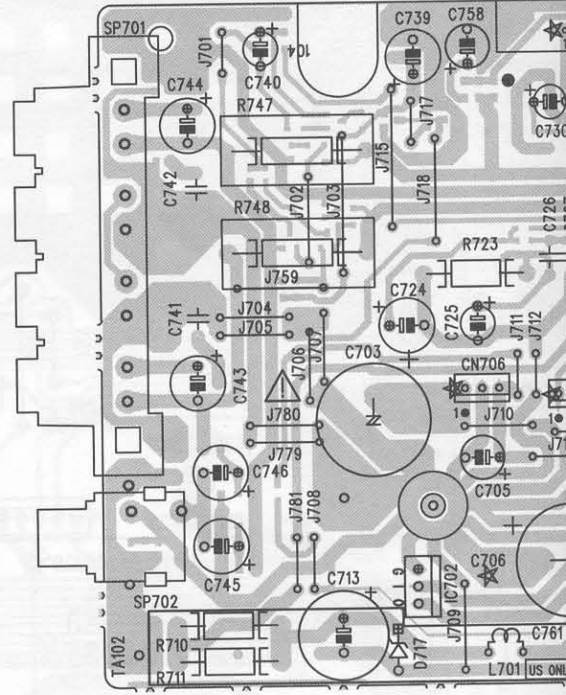
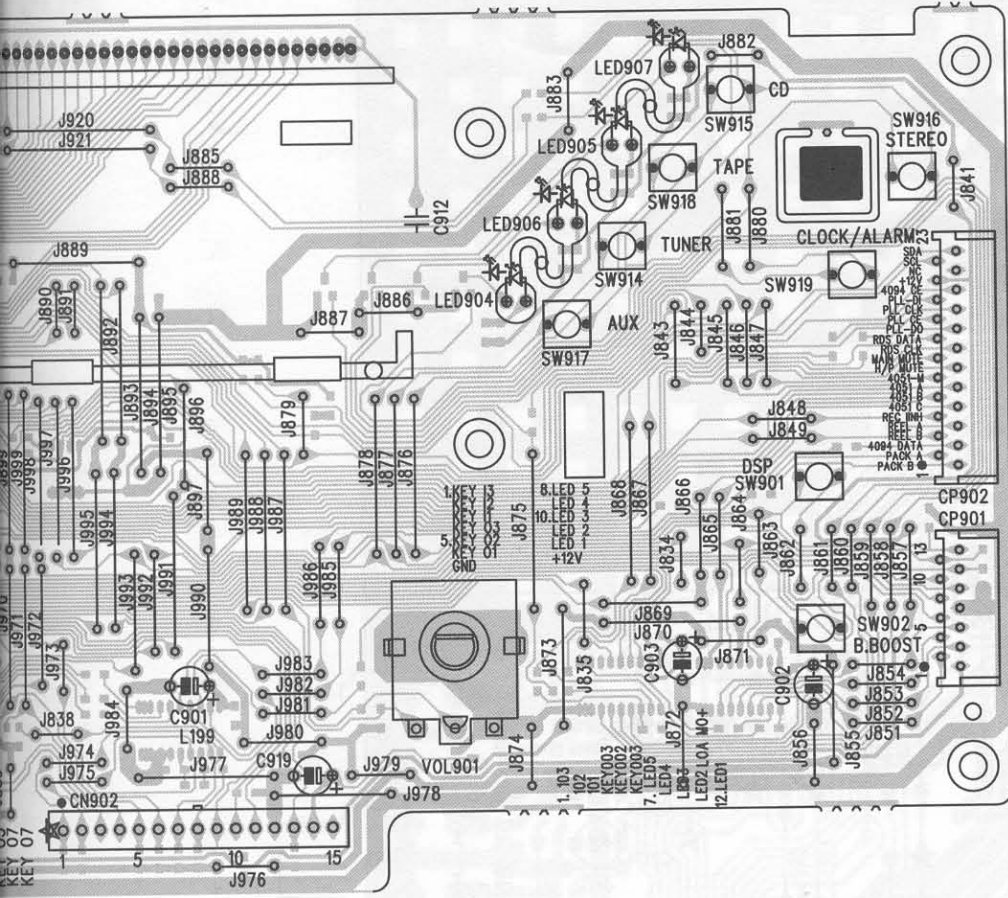
BU4051

X0	H/P IN
X1	MODE B
X2	MODE A
X3	12KHz
X4	2K4Hz
X5	1KHz
X6	400Hz
X7	60Hz

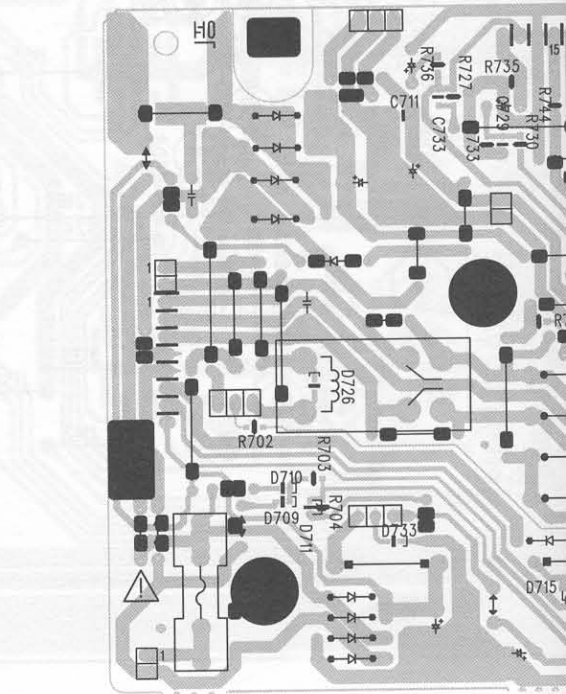
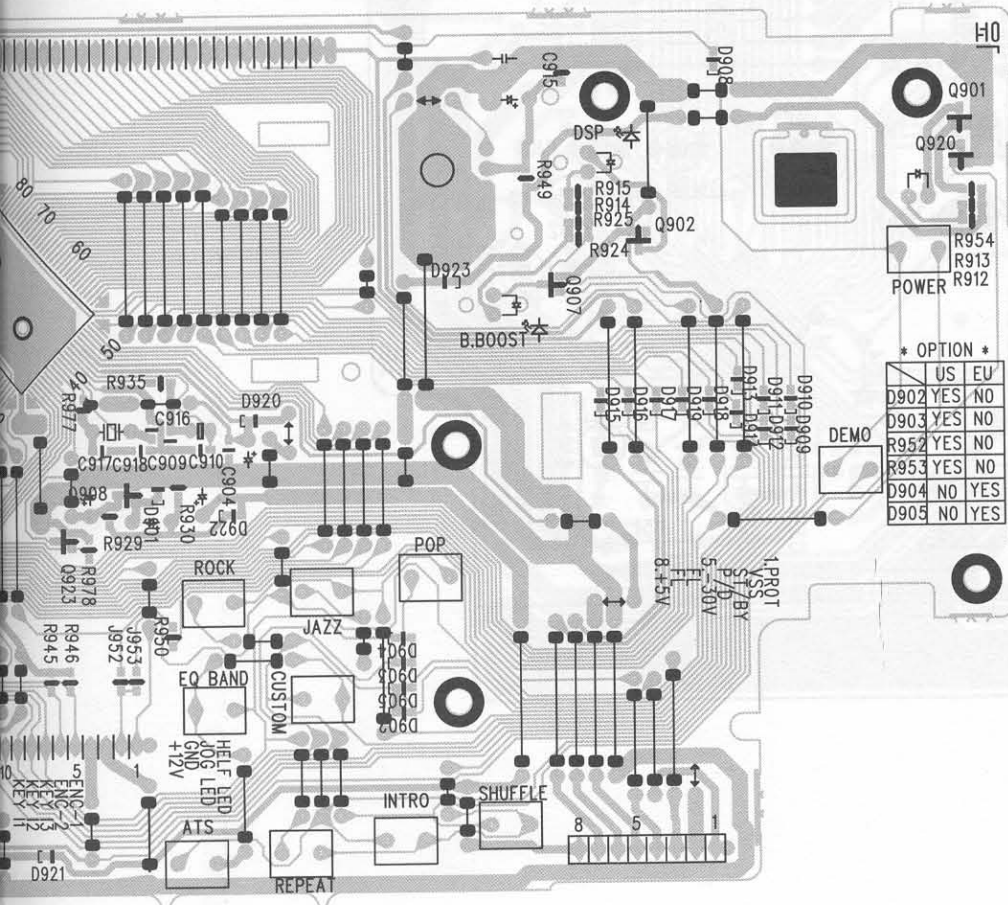


FROM FRONT BOARD

Power supply / amplifier P.C.B.
 Platine alimentation / amplificateur
 Ltpl. Netzteil und Endverstärker
 Piastra alimentare / amplificatore
 Platina alimentación / amplificador

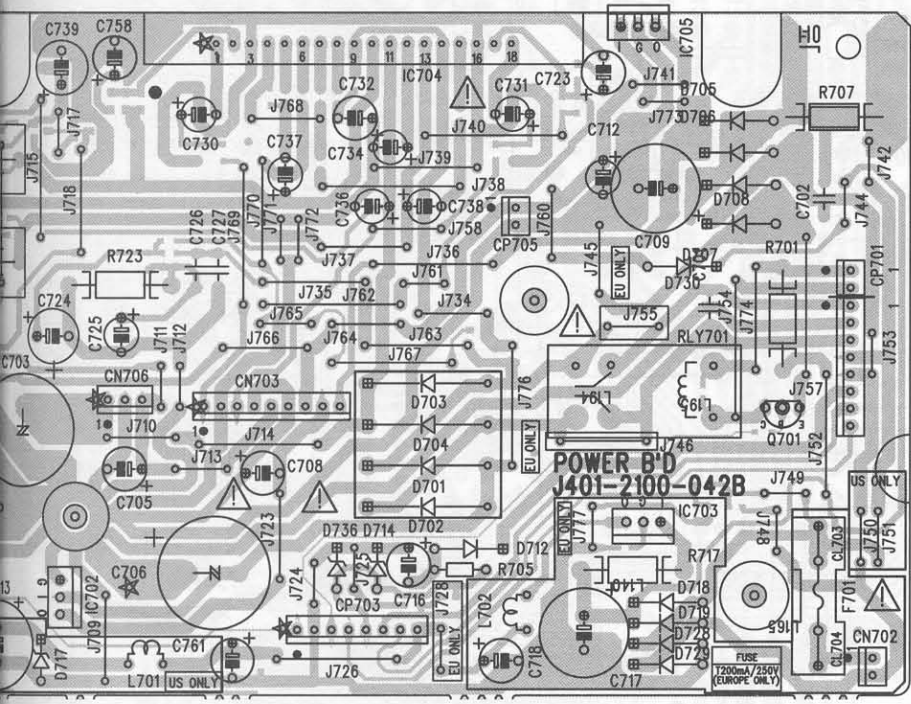


Component side
 Côté composants
 Bestückungsseite
 Lato componenti
 Lado componentes

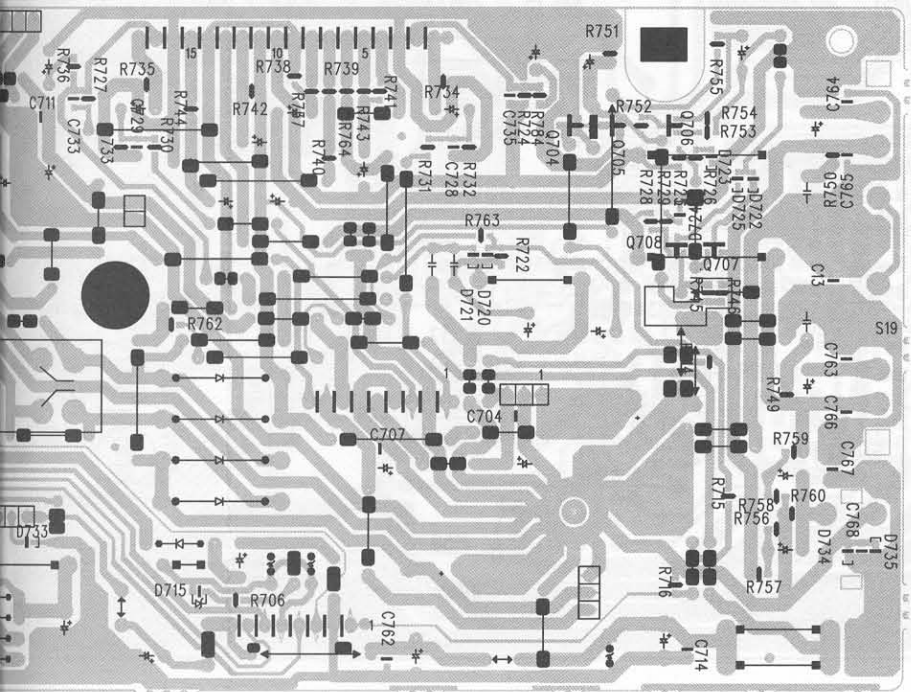
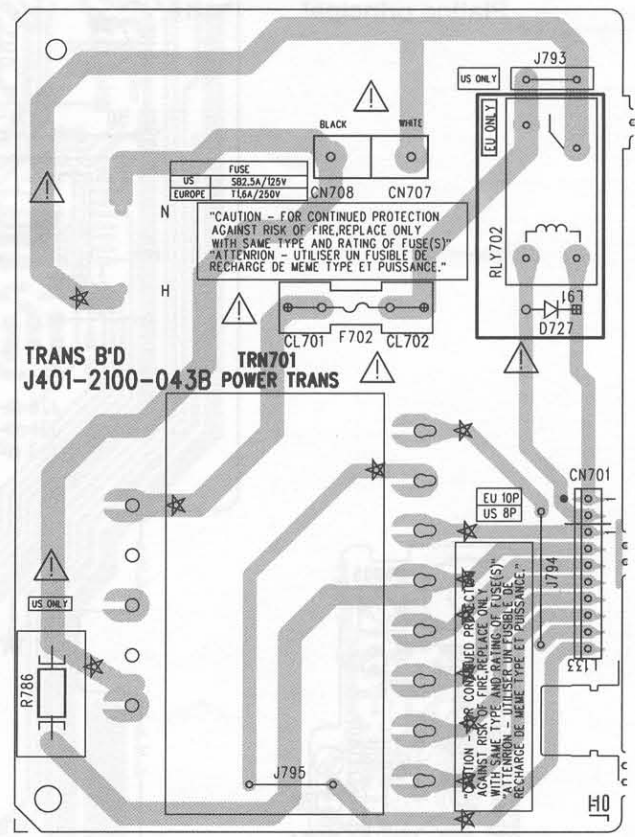


Solder side
 Côté cuivre
 Lötseite
 Lato saldature
 Lado del cobre

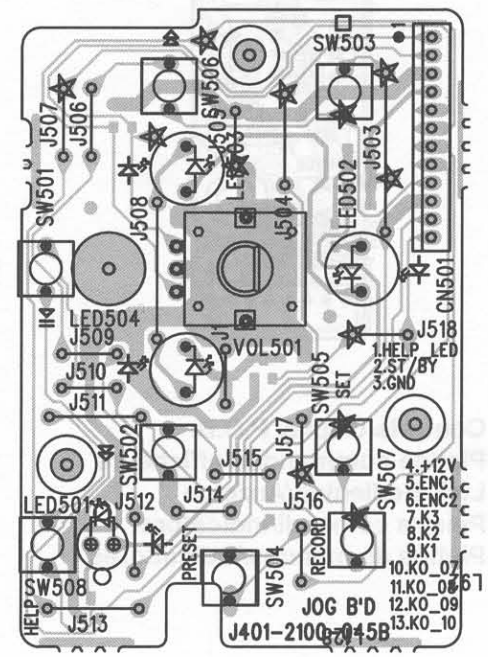
Amplifier P.C.B.
 / amplificateur
 Verstärker
 / amplificatore
 / amplificador



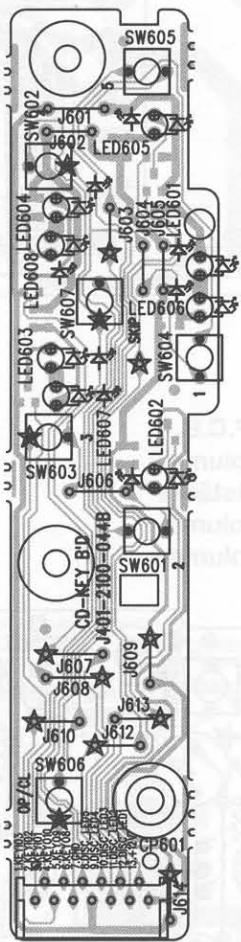
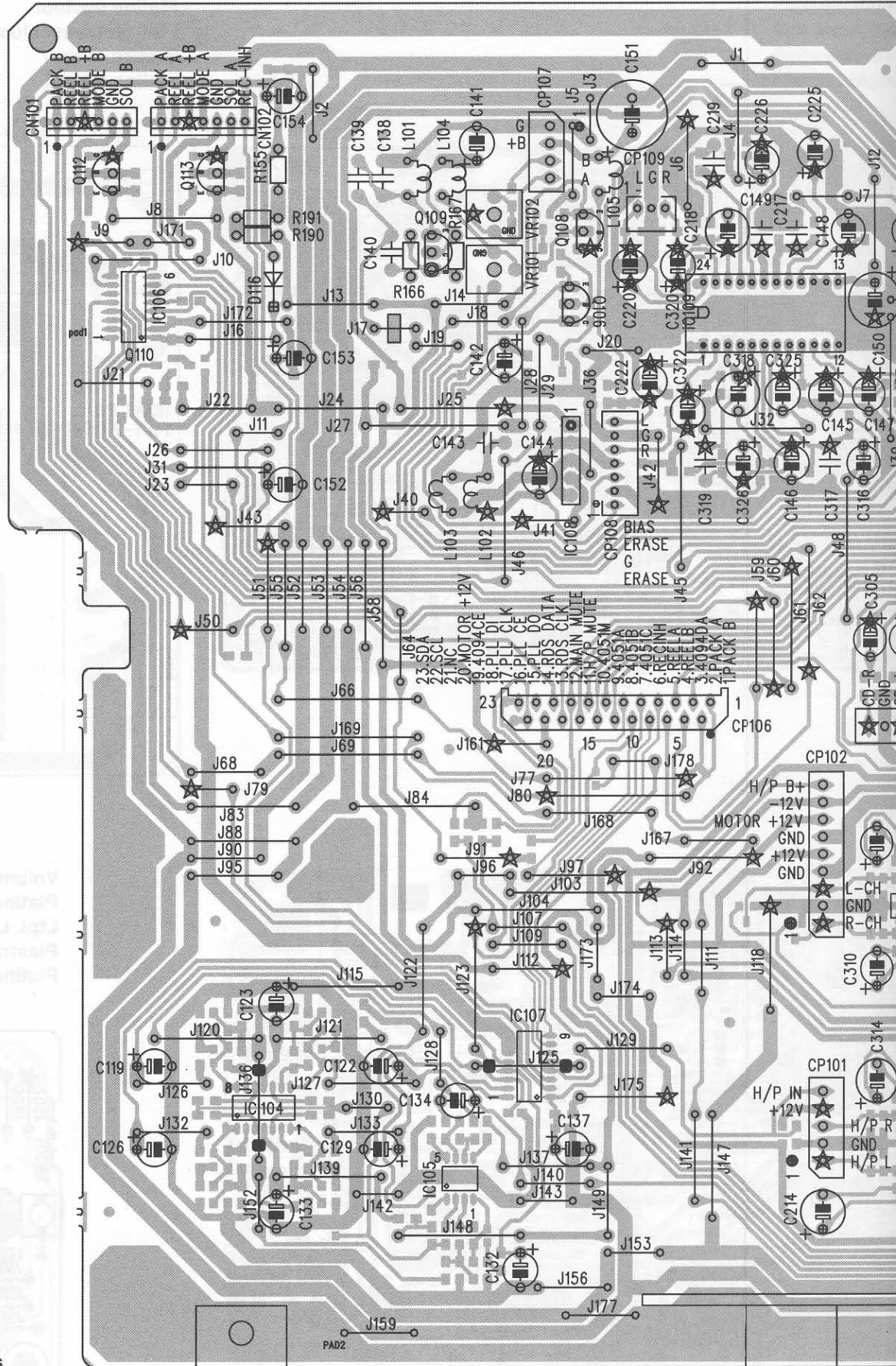
Power unit P.C.B.
 Platine secteur
 Ltpl. Netzanschluss
 Piastra di rete
 Platina de red



Volume P.C.B.
 Platine volume
 Ltpl. Lautstärke
 Piastra volume
 Platina volumen



Main P.C.B.
Platine principale
Hauptplatine
Piastra principale
Platina principal



Controls/display P.C.B.
Platine commandes/afficheurs
Ltpl. Bedienteil/Anzeige
Piastra comandi/indicatori
Platina de mandos/indicadores

