



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

THOMSON AM 3300
AM 3305

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 : Cassette radio recorder / compact disc Type d'appareil : Combiné radio cassette / CD Geräteart : CD-Radio Cassetten Portable Tipo d'apparecchio : Insieme radio cassette / CD Tipo de aparato : Radio cassette / CD			
Power supply : Alimentation : Stromversorgung : 230 V ~ Alimentazione : Alimentación :		Nominal output power : Puissance nominale de sortie : Nennausgangsleistung : 2 x 25 W (Rms) potenza nominale di uscita : 2 x 75 W (Music.) Potencia nominal de salida :	
	FM - MF : 87,5 - 108 MHz MW - PO : 520 - 1620 kHz LW - GO : 150 - 283 kHz	Sensitivity : Sensibilité : FM - MF : 8 µV (S/N = 26 dB) Empfindlichkeit : MW - PO : 1000 µV/m (S/N = 20 dB) Sensibilità : LW - GO : 2500 µV/m (S/N = 20 dB) Sensibilidad :	
	Frequency response : Courbe de réponse : 200 Hz - 6 kHz Frequenzgang : (+5 / - 5 dB) Curva di risposta : Curva de respuesta :	Signal to noise ratio : Rapport signal / bruit : Geräuschspannungsabstand : 42 dB Rapporto segnale / disturbo : Relación señal / ruido :	
	Wow and flutter : Fluctuations : 0,3 % Gleichlauf : Fluttuazioni : Fluctuaciones :		
	Disc rotation speed : Vitesse de rotation du disque : 200 → 500 tr/m CD-Drehgeschwindigkeit : Velocità di rotazione del disco : Velocidad de rotación del disco :	Frequency response : Courbe de réponse : 200 Hz - 20kHz Frequenzgang : (0 dB) Curva di risposta : Curva de respuesta :	
DAD	Stereo separation : Diaphonie : 40 dB Diaphonia : Diafonia :	Signal to noise ratio : Rapport signal / bruit : Geräuschspannungsabstand : 60 dB Rapporto segnale / disturbo : Relación señal / ruido :	



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 : 351 644 80 - 08/01 / 4,1M - CRKD2531 Print.



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

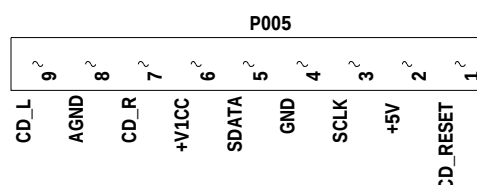
ATTENZIONE : Il raggio laser è invisibile. Evitare l'esposizione diretta durante la manutenzione.

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

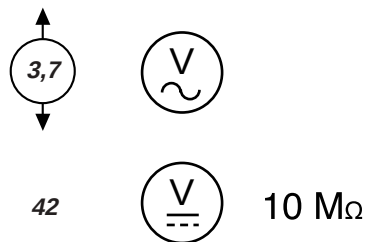
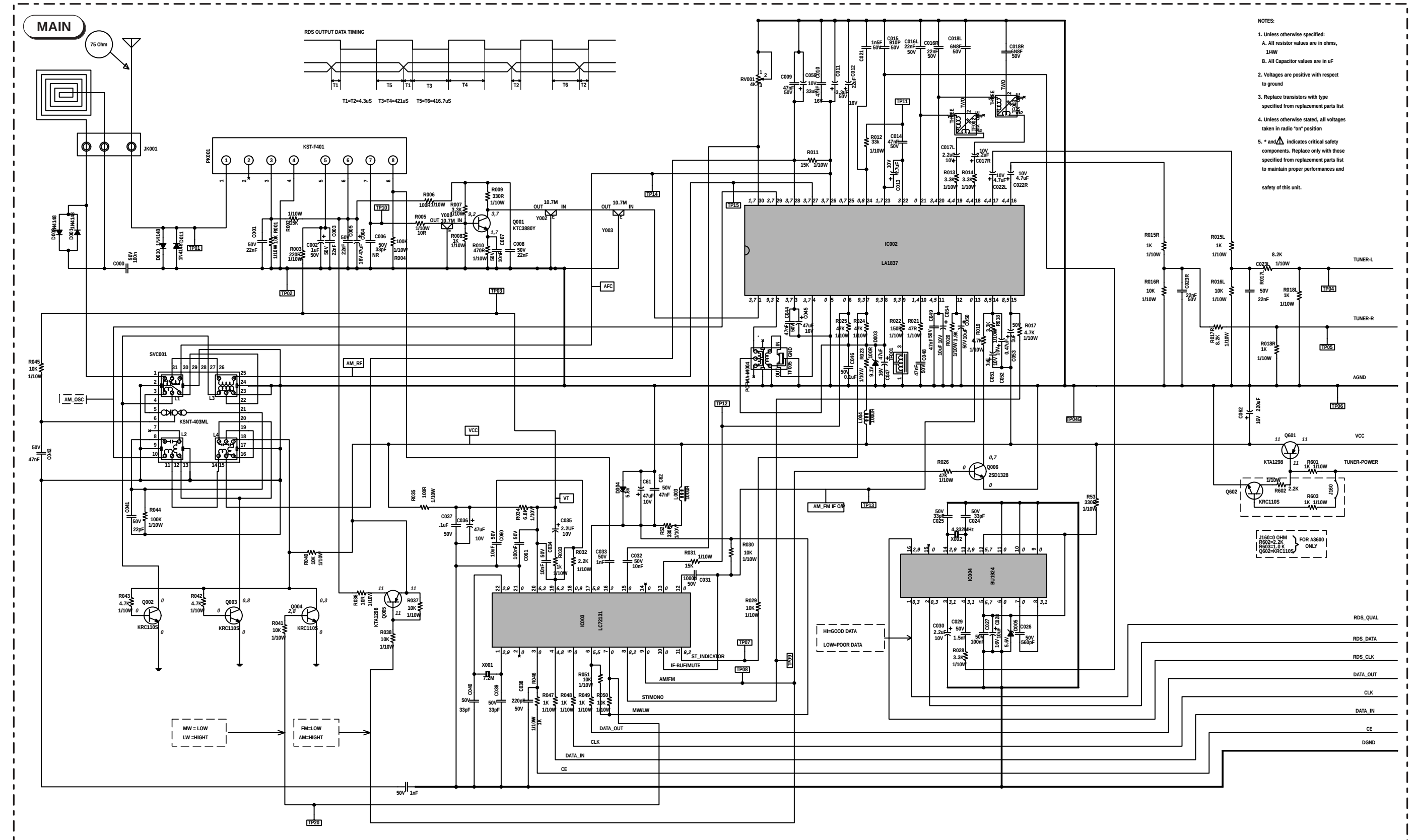
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE - ESQUEMA DEL TRATAMIENTO DIGITAL

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 :

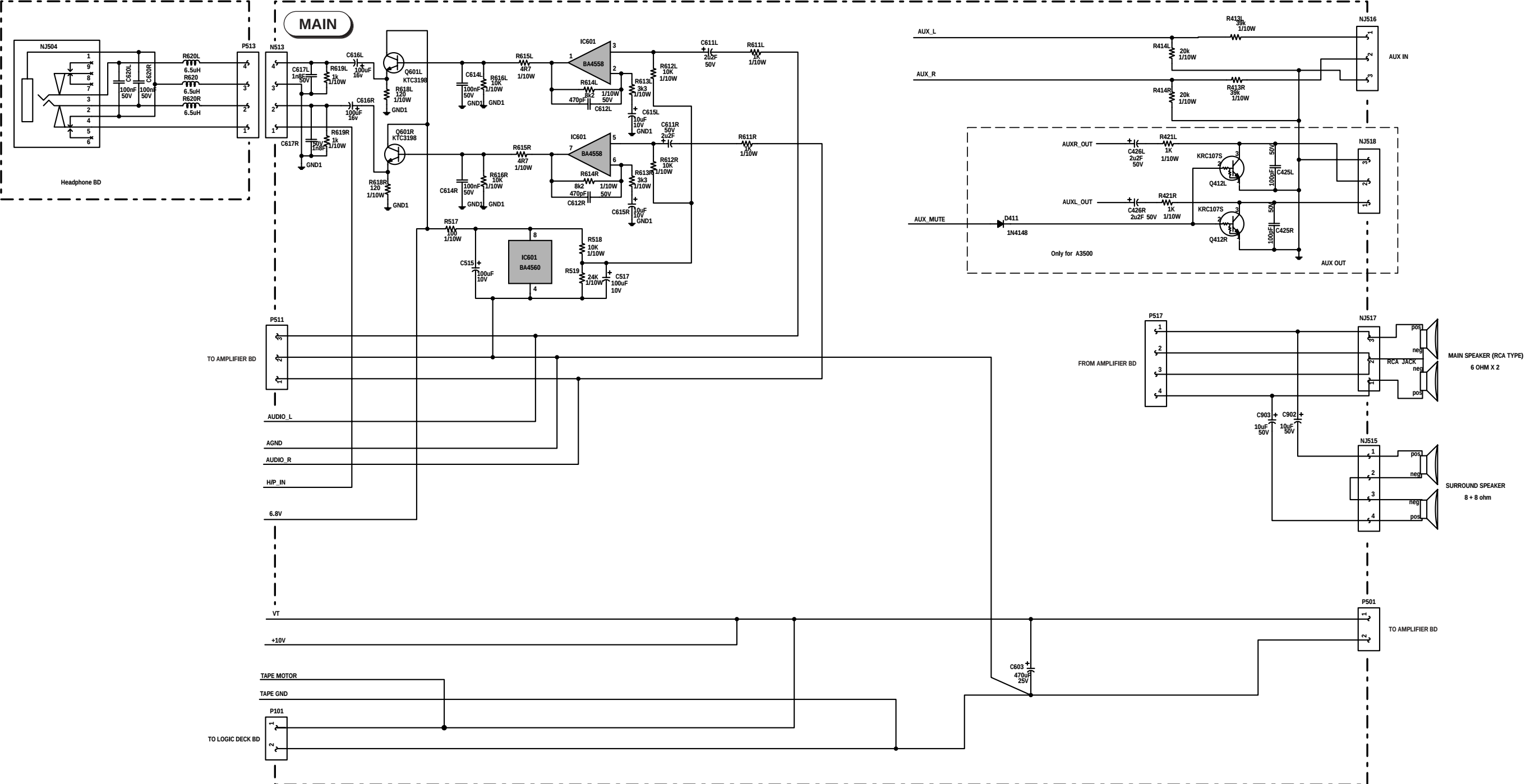
106 638 90



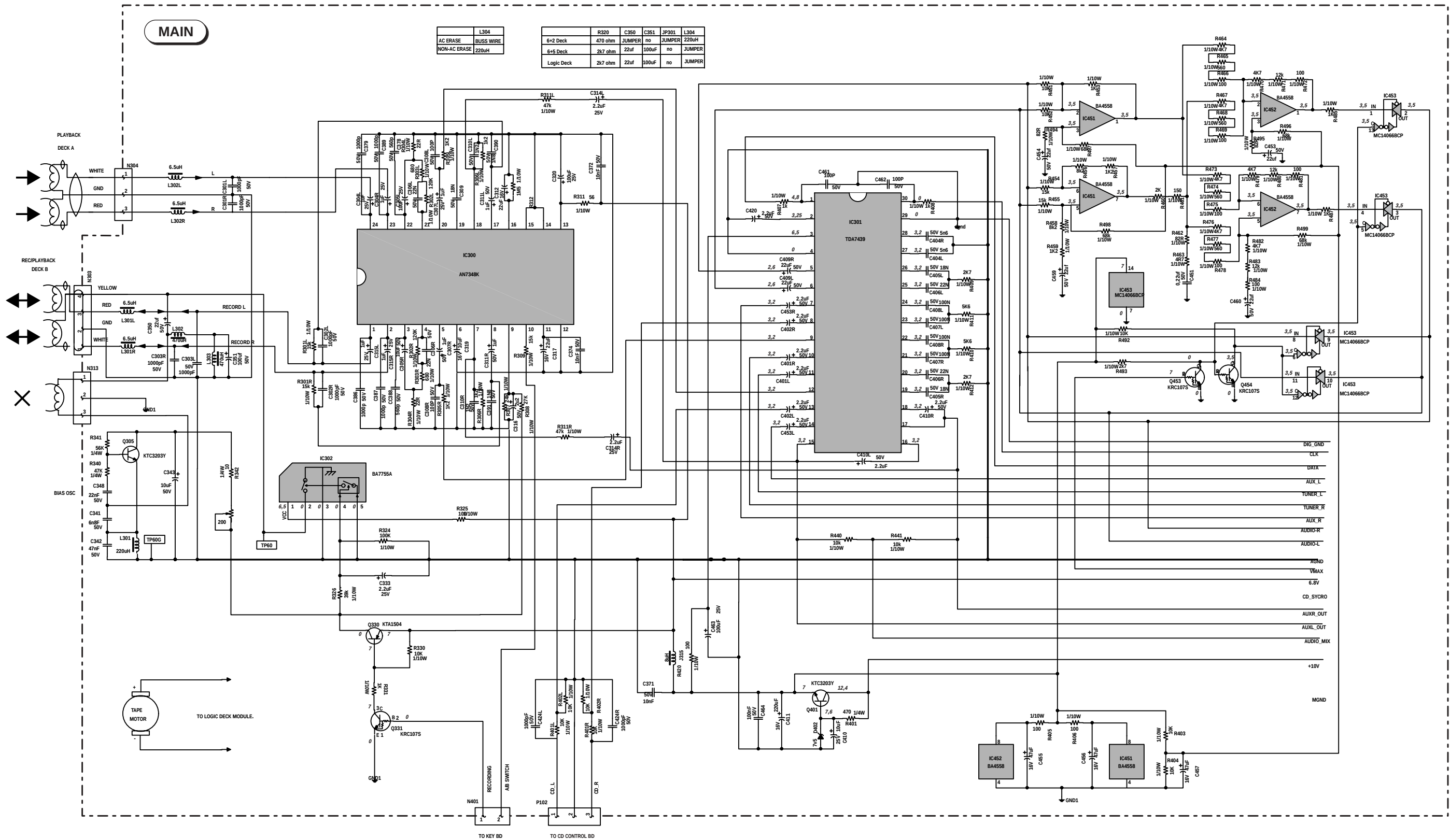
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (TUNER PART)



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL
(INPUT/OUTPUT PART)

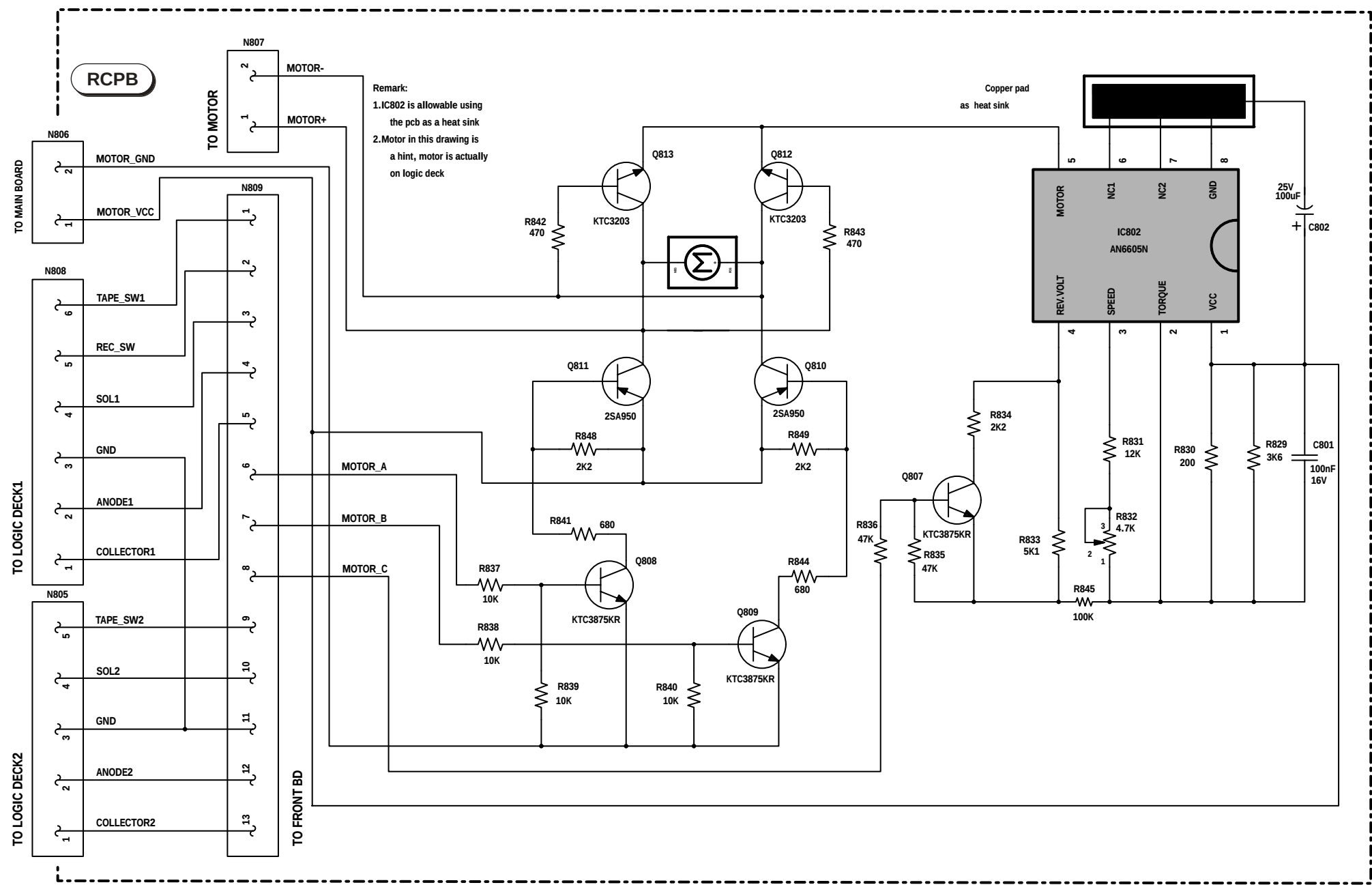


MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (TAPE PART)

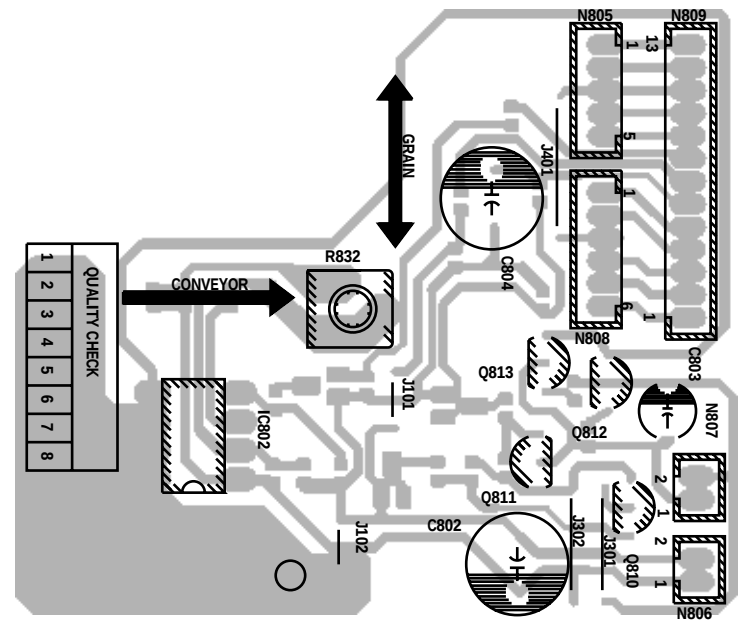


IC300	PLAY A	PLAY B	PLAY/REC	EXT/REC		PLAY A	PLAY B	PLAY/REC	EXT/REC
1	0	0	0	0	13	6,8	6,8	2,1	2,1
2	0,7	0,7	0,7	0,7	14	0	0	0,7	0,7
3	3,9	3,9	3,9	3,9	15	0	0	3,8	3,8
4	3,9	3,9	3,9	3,9	16	0	0	3,2	3,2
5	3,2	3,2	3,2	3,2	17	0	0	2,8	2,8
6	0	2,8	0	0	18	0	0	0	0
7	0	0	0	0	19	0,2	0,2	3,2	3,2
8	0,1	0,1	0,1	0,1	20	3,1	3,1	3,2	3,2
9	0	0	0	0	21	3,8	3,8	1,4	0
10	0	1,4	0	0	22	0,7	0,7	3,9	3,9
11	4,9	4,9	4,9	4,9	23	0	0	4,9	4,9
12	0	0	0	0	24	0	0	0	0

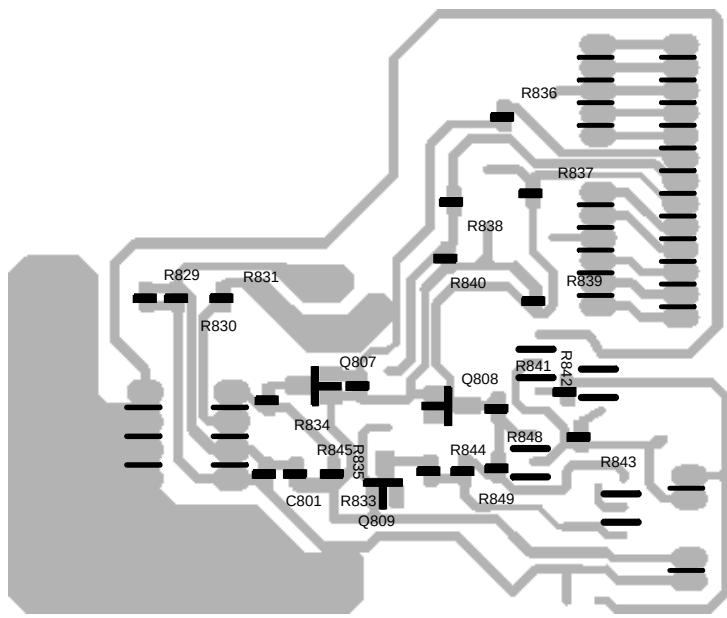
TAPE SCHEMATIC DIAGRAM - SCHEMA PLATINE CASSETTES - SCHALTBILD RECORDER - SCHEMA PIASTRA DI CASSETTE - ESQUEMA GRABADORES



Tape P.C.B.
Platine cassettes
Ltpl. Recorder
Piastra di cassette
Platina grabadores

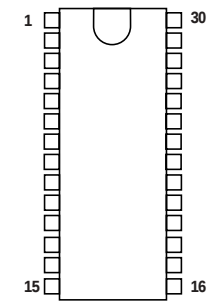
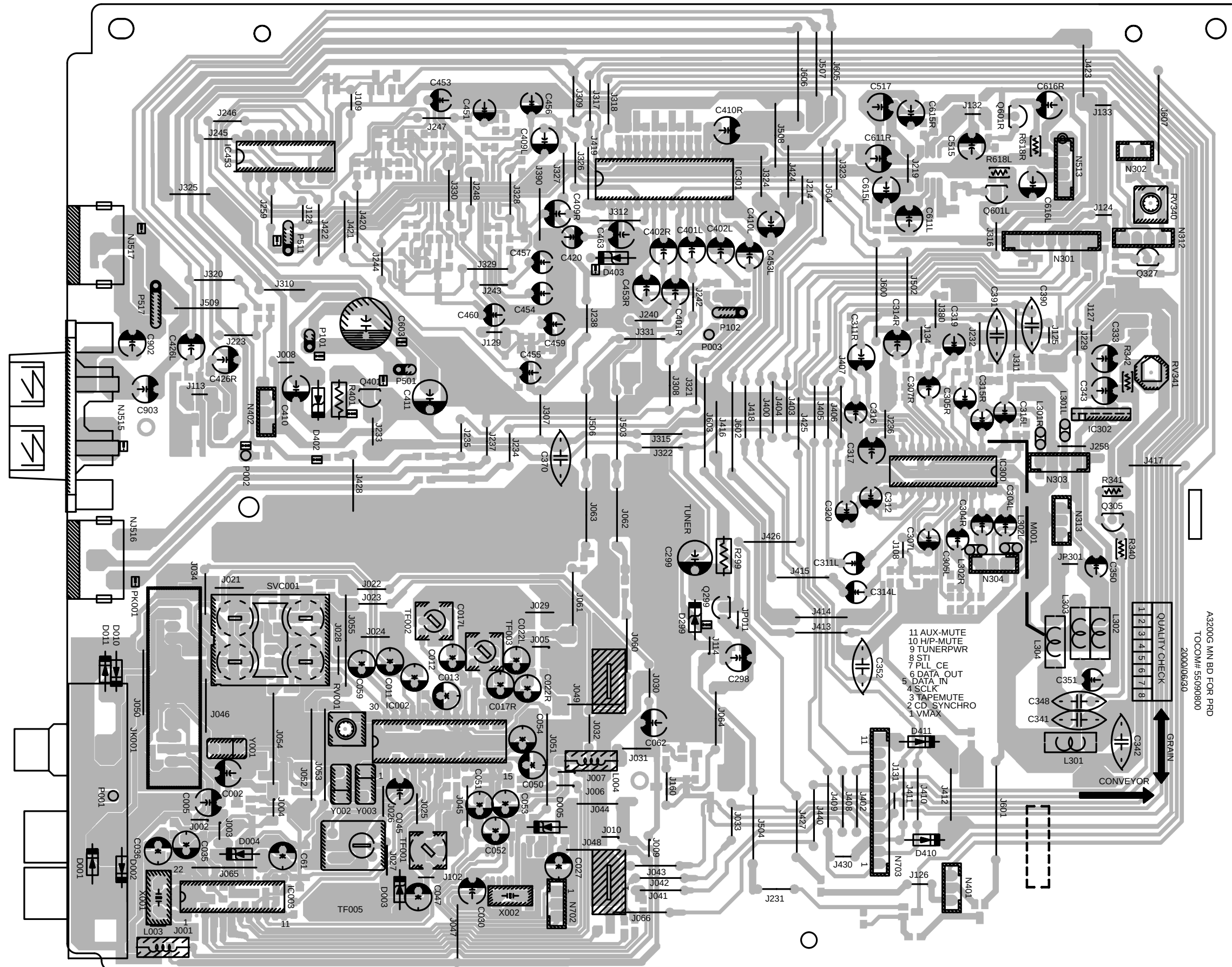


Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

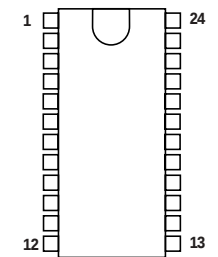


Solder side
Côté soudure
Lôtseite
Lato saldature
Lado del cobre

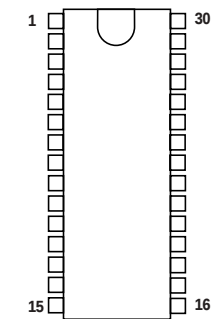
Main P.C.B.	Component side
Platine principale	Côté composants
Grundplatte	Bestückungsseite
Piastra principale	Lato componenti
Platina principal	Lado componentes



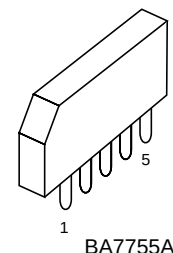
LA1837



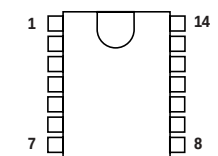
AN7348K



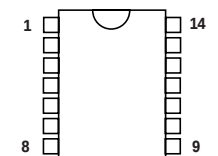
TDA 7439



BA7755A



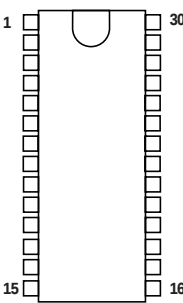
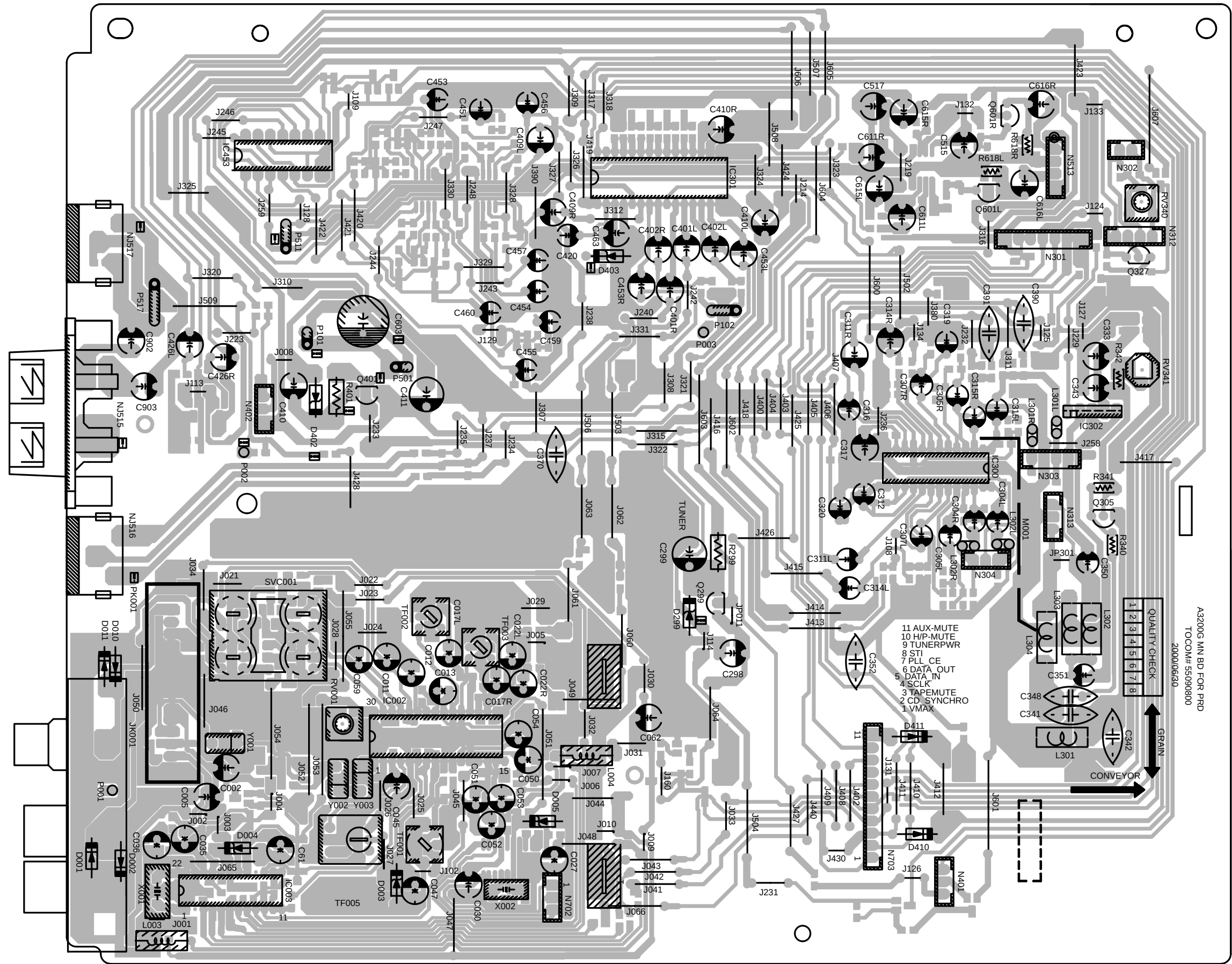
BU4066BC



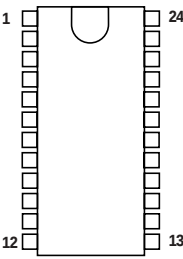
MC1466BCP

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

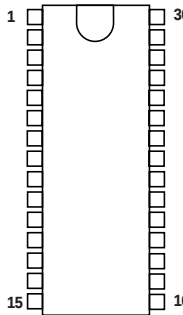
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



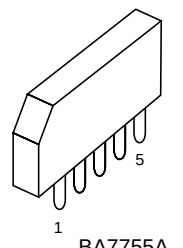
LA1837



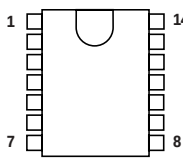
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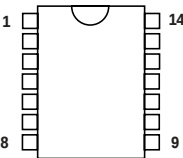
TDA 7439



BA7755A



BU4066BC



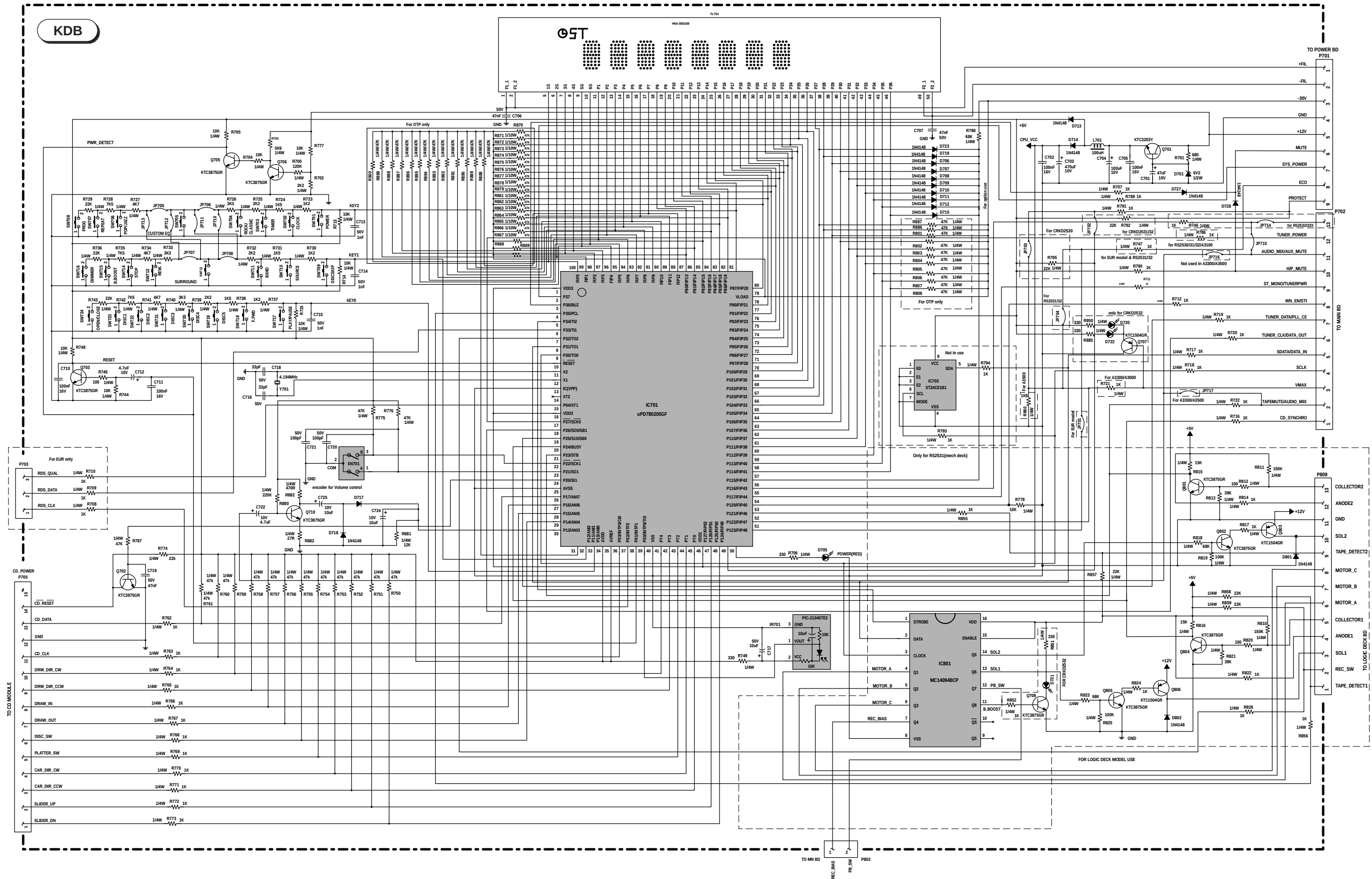
MC1466BCP

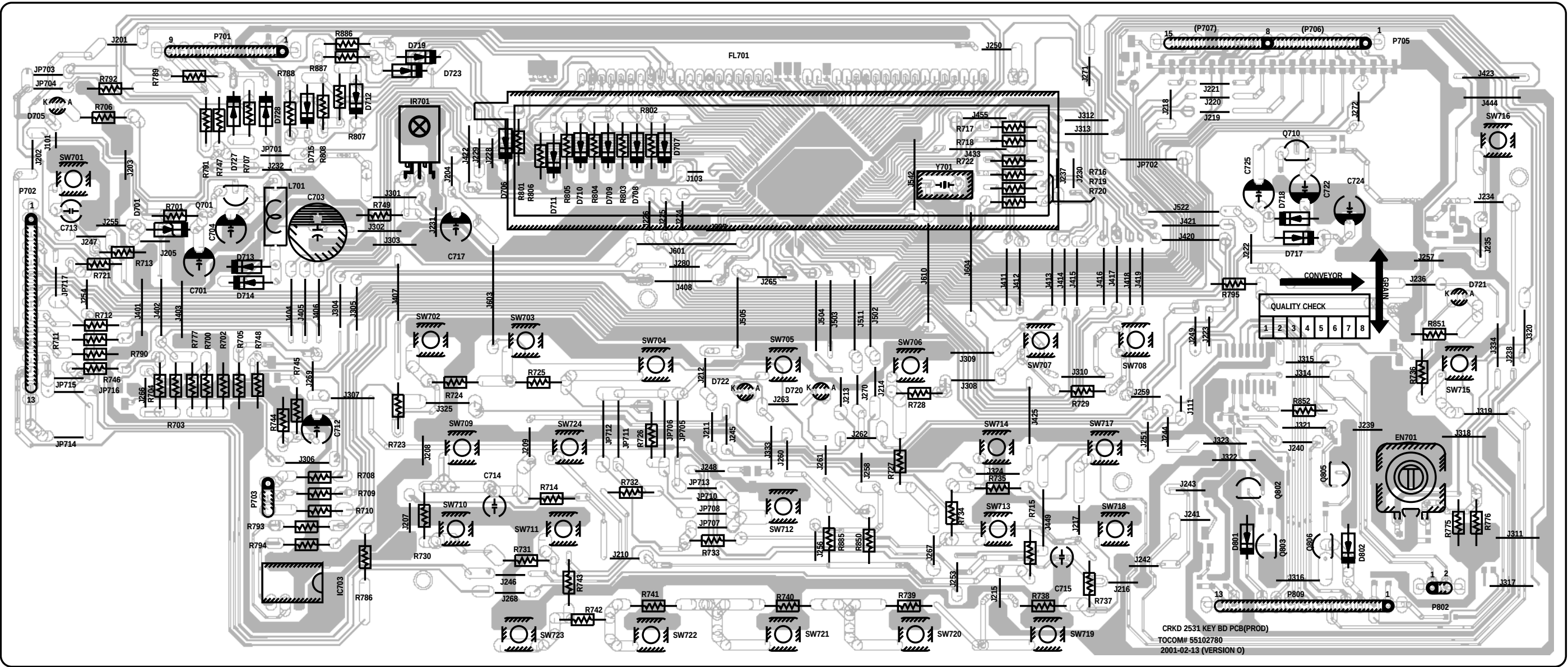
A3200G MM BD FOR PRD
TCCOM# 55090800
2000/06/20

11 AUX-MUTE
10 H/P-MUTE
9 TUNER PWR
8 PLL CE
7 DATA OUT
6 DATA IN
5 SCLK
4 TAPEMUTE
3 CD SYNCHRO
2 VMAX

QUALITY CHECK
1 2 3 4 5 6 7 8
GRAIN
CONVEYOR

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



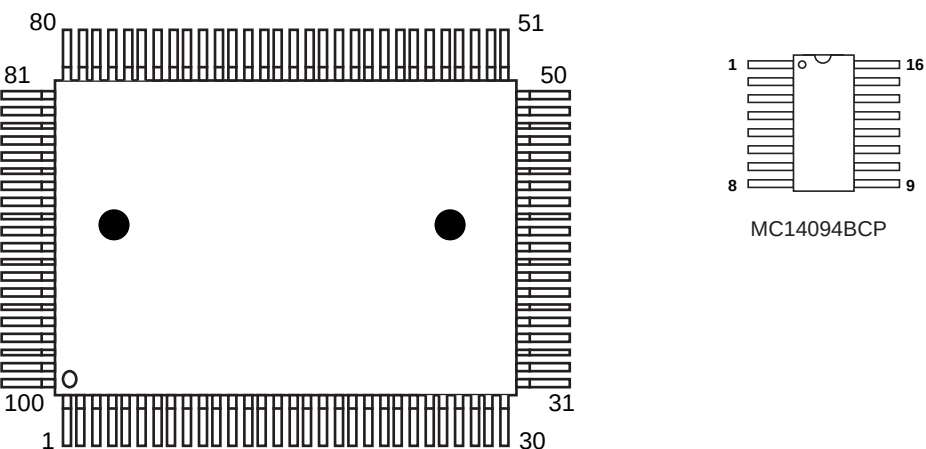


Comp. Name	P702	JP703 & R795	JP704	R722 & R716	R721	JP701	JP714	JP715	JP716	R746	R747	R786	JP702 & R792	JP717
Model														
A3100	9 pins (P4 to P12)	✓	X	X	X	✓	X	X	✓	X	✓	✓	X	X
A3100G	8 pins (P4 to P11)	✓	X	X	X	✓	X	X	✓	X	✓	X	X	X
A3300	9 pins (P2 to P10)	X	X	X	✓	✓	X	X	X	X	✓	X	✓	✓
A3500	10 pins (P2 to P11)	X	X	X	✓	✓	X	✓	X	✓	✓	X	✓	✓

1: HAVE DIODE 0: NO DIODE		VMAX	LOCATION		Function	Magic Demo (For logic deck model)
MODEL	LOCATION	D706	LOCATION	D723		
A3100		0	Bass Boost	0	0	A3100
A3300 A3500		1	Sub-woofer	1	1	A3300 A3500

1: HAVE DIODE 0: NO DIODE				
D707	D708	D709	D710	D711
9K/10K	50K/200K	RDS	LW	24/12HRS

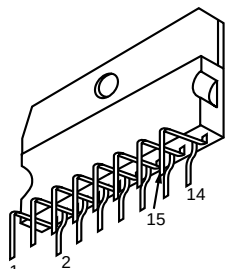
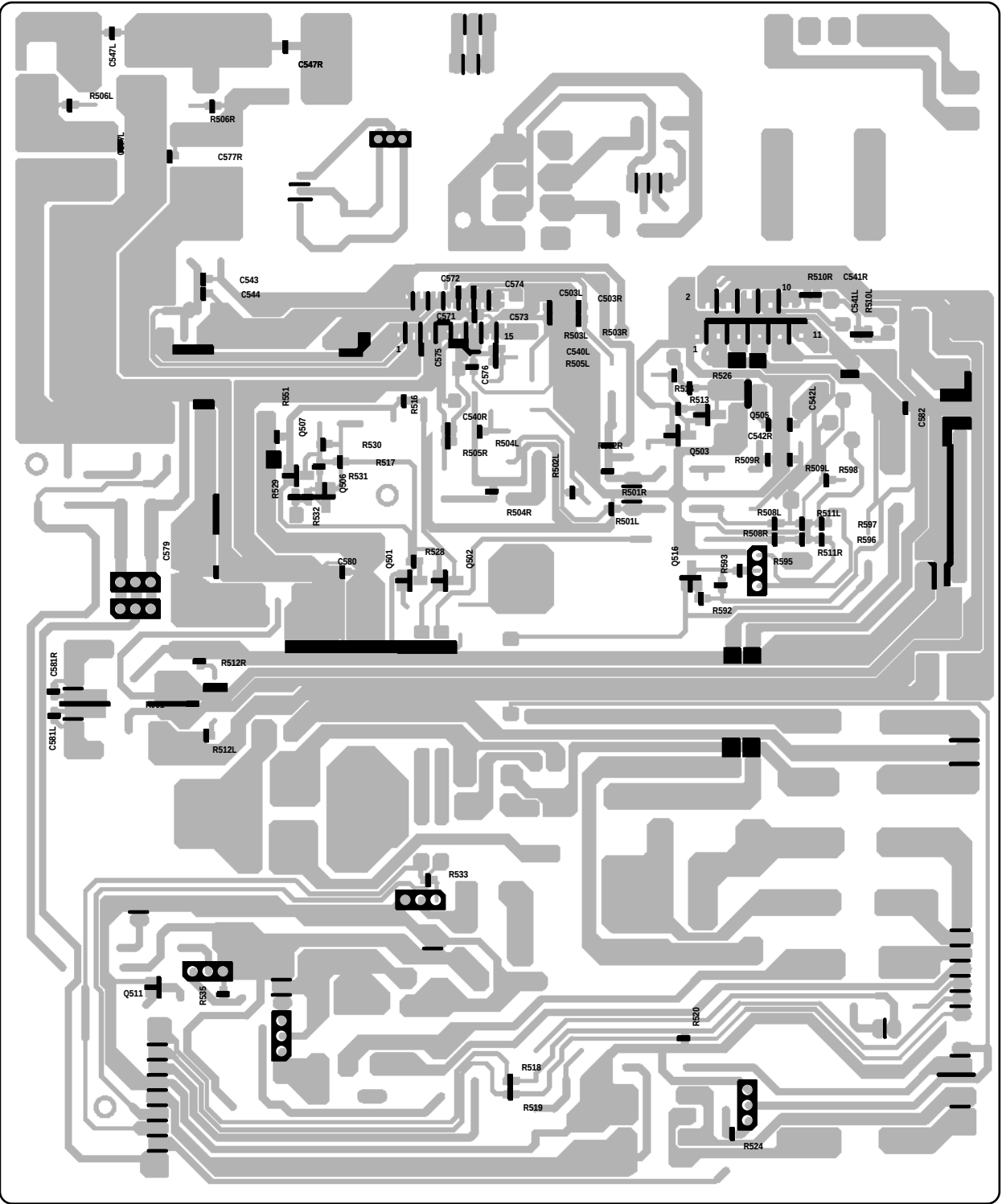
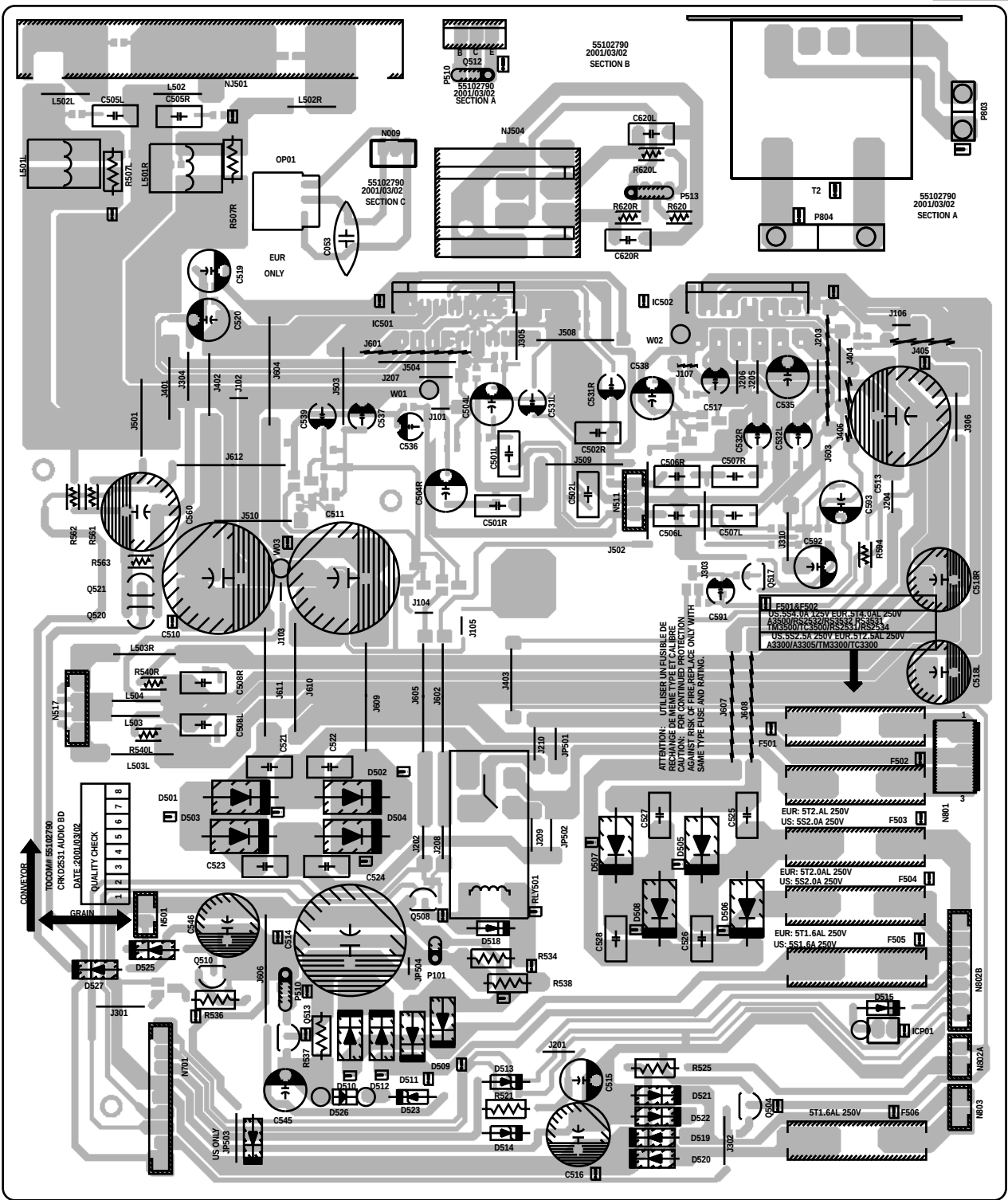
(Only for tuner TEA5757) 1: HAVE DIODE 0: NO DIODE			SELECT SENSITIVITY	
VERSION	LOCATION	D712	D715	
1st rate		0	0	
2nd rate		0	1	
3rd rate		1	0	
poor rate		1	1	



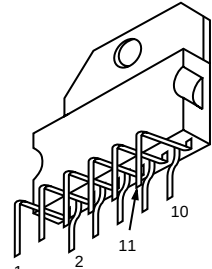
Power supply / amplifier P.C.B.
Platine alimentation / amplificateur
Ltpl. Netzteil und Endverstärker
Piastra alimentazione / amplificatore
Platina alimentación / amplificador

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre



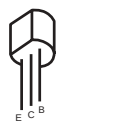
LM 1876



TDA7269



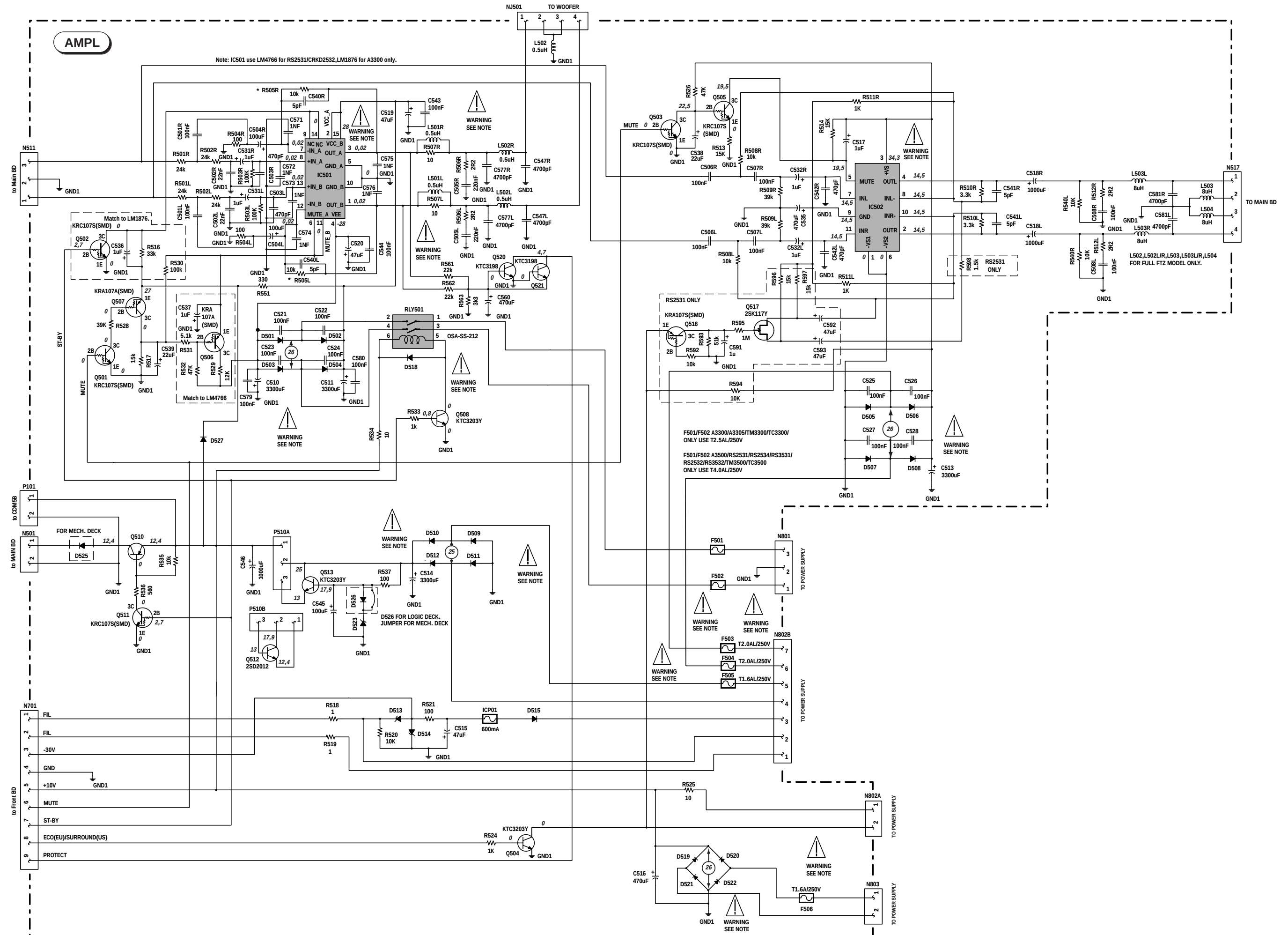
KTC3203Y



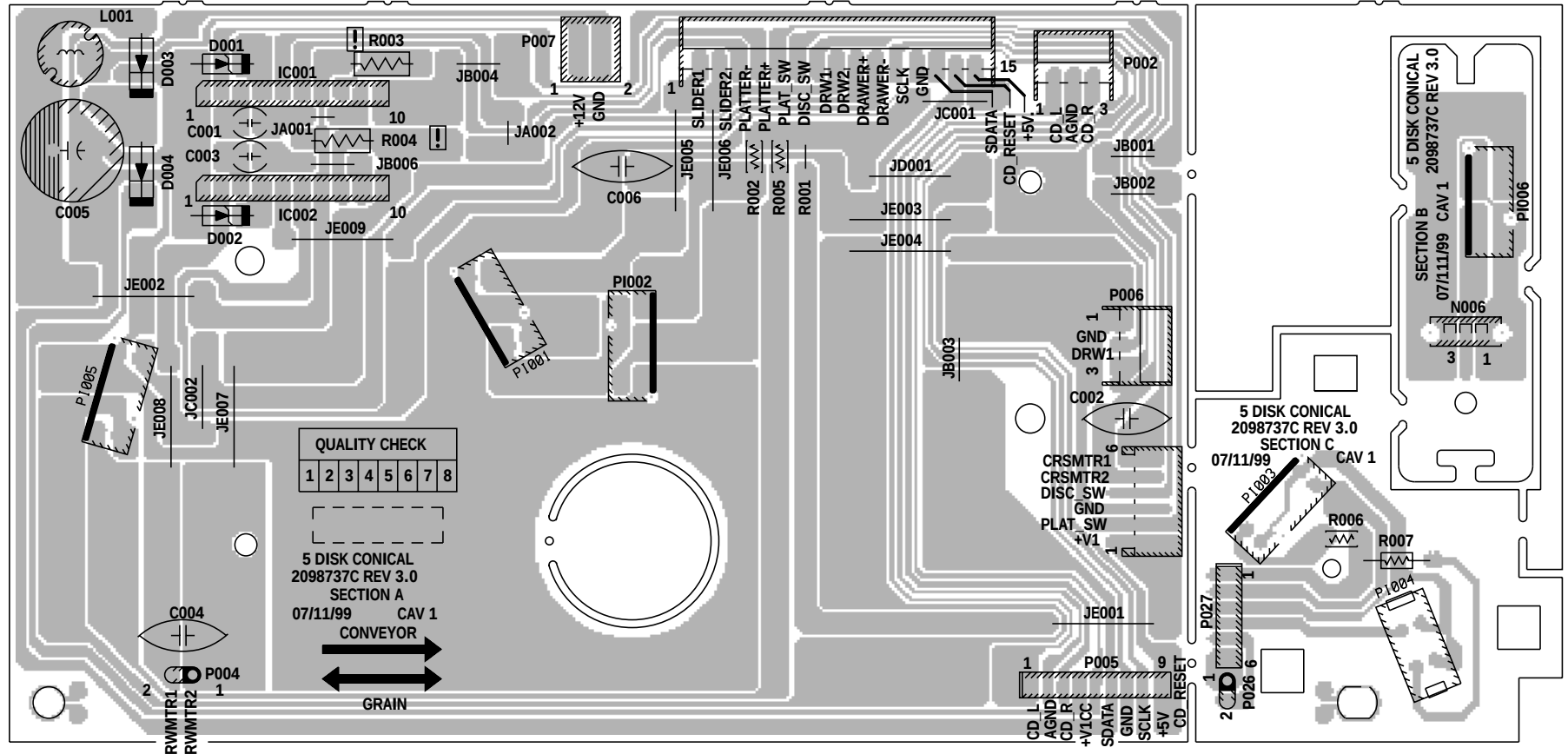
KTC3198



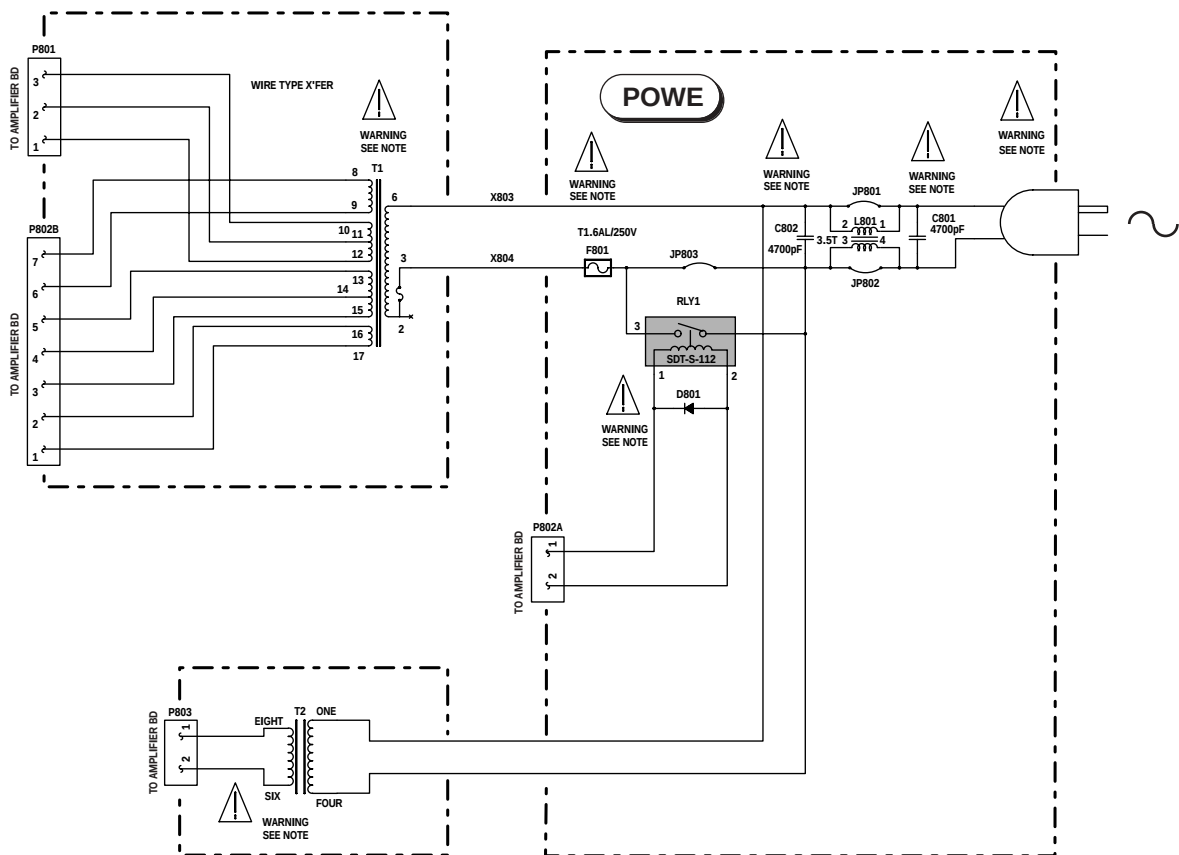
2SK117Y



CD control P.C.B.
 Platine commandes CD
 Ltpl. CD Bedienteil
 Piastra comandi CD
 Platina de mandos CD



POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION -
SCHALTBILD NETZTEIL - SCHEMA DELL' ALIMENTAZIONE - ESQUEMA DE LA
ALIMENTACIÓN



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

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

