

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

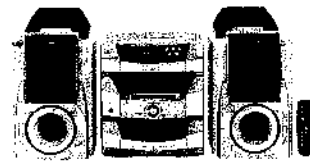
THOMSON **ALTIMA 3600**
ALTIMA 3800

Version (PC*): A

*PC The version code is indicated either in the battery compartment or on the back of the unit - or 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

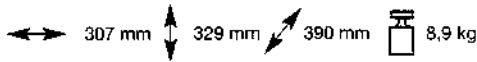





ALTIMA 3600



ALTIMA 3800

**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 ~ 50 Hz Alimentazione : Alimentación :	Nominal output power : Puissance nominale de sortie : main 2 x 15 W (rms) Nennausgangsleistung : sub-woofer 2 x 55 W (rms) Potenza nominale di uscita : Potencia nominal de salida :
 FM - MF : 87.5 - 108 MHz MW - PO : 522 - 1611 kHz LW - GO : 150 - 283 kHz	Sensitivity : Sensibilité : FM - MF : 8 µV (S/N = 30 dB) Empfindlichkeit : MW - PO : 800 µV/m (S/N = 20 dB) Sensibilità : LW - GO : 2000 µV/m (S/N = 20 dB) Sensibilidad :
Frequency response : Courbe de réponse : Frequenzgang : 125 Hz - 8 kHz Curva di risposta : (-5 dB) Curva de respuesta :	Signal to noise ratio : Rapport signal / bruit : Geräuschspannungsabstand : 44 dB Rapporto segnale / disturbo : Relación señal / ruido :
 Wow and flutter : Fluctuations : Gleichlauf : 0,3 % Fluttuazioni : Fluctuaciones :	
Disc rotation speed : Vitesse de rotation du disque : CD-Drehgeschwindigkeit : 200 - 500 tr/m Velocità di rotazione del disco : Velocidad de rotación del disco :	Frequency response : Courbe de réponse : Frequenzgang : f = 40 Hz - 20 kHz (-3 dB) Curva di risposta : Curva de respuesta :
DAD Total harmonic distortion : Distorsion harmonique : 1 % (f = 1 kHz) Klirrfaktor : Distorsión armónica : Distorsione armonica :	Signal to noise ratio : Rapport signal / bruit : Geräuschspannungsabstand : 65 dB Rapporto segnale / disturbo : Relación señal / ruido :



WARNING : Before servicing this chassis please 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 : 351 233 40 - 0800 / 2,9 M - CRKD 2523 / CRKD 2525 Print. MALGOGNE/SAILLOUR - AVRILLE



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

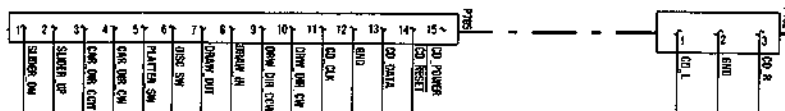
IMPORTANTE:

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

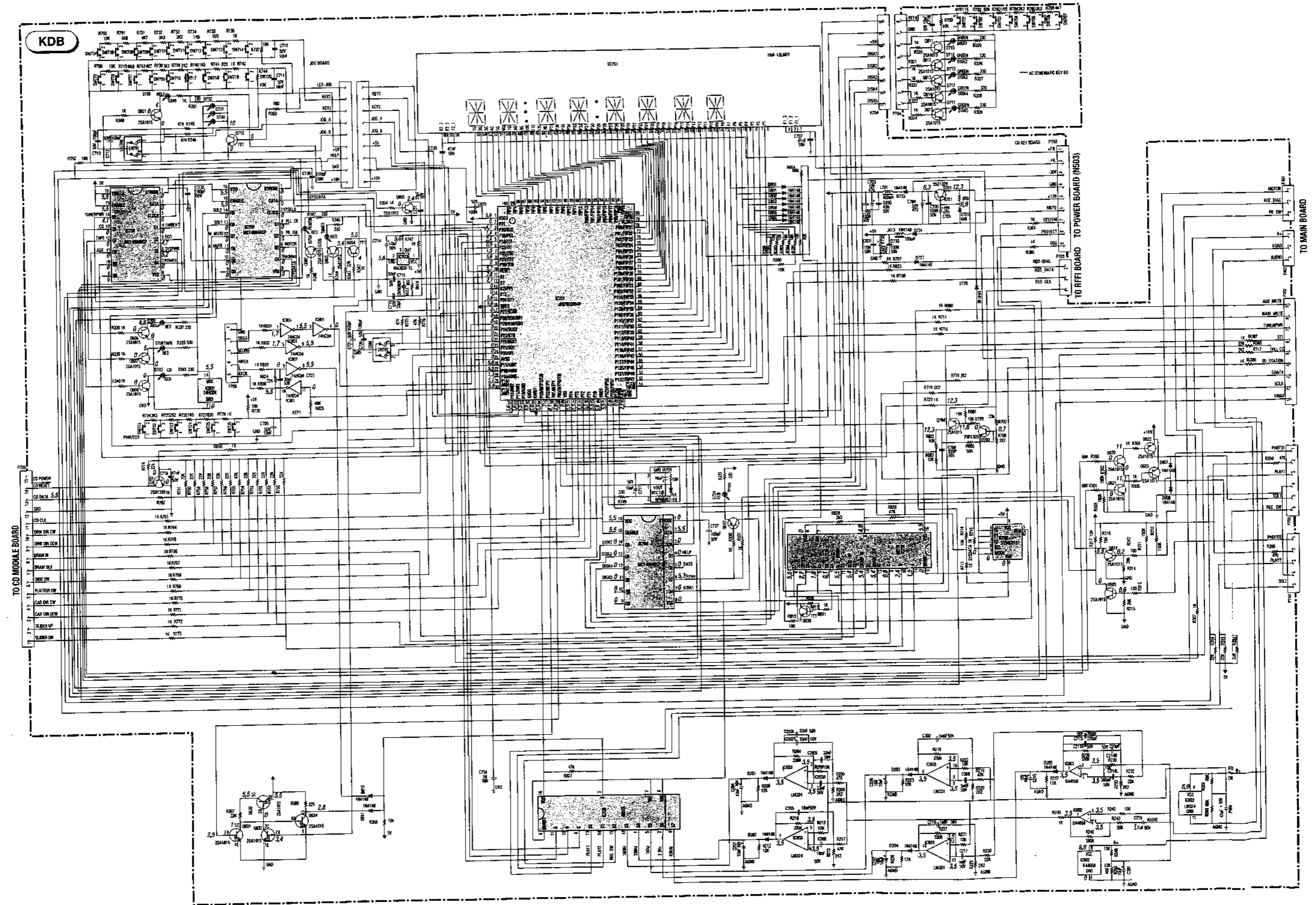
**DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL -
SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE -
ESQUEMA DEL TRATAMIENTO DIGITAL**

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 :

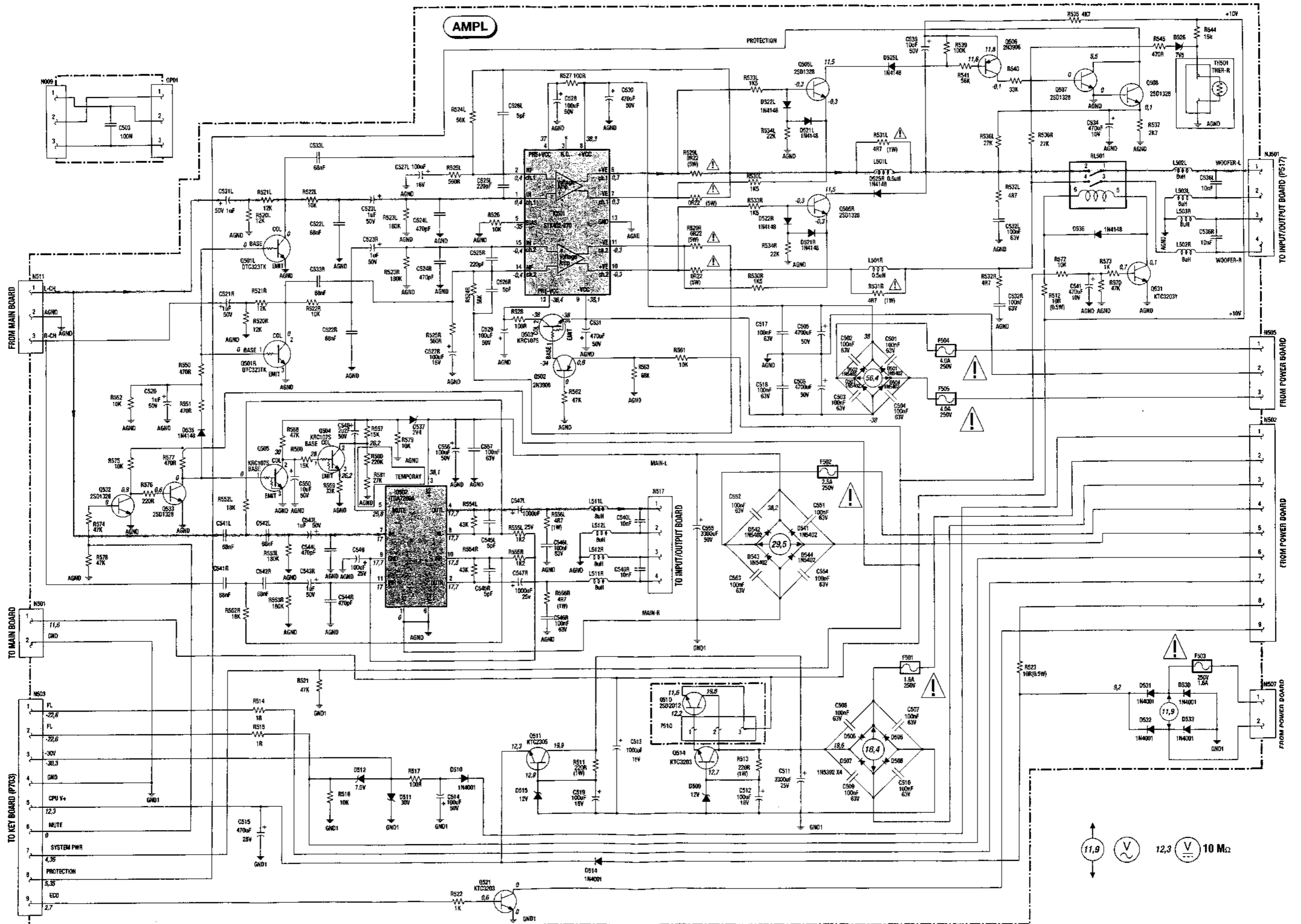
106 694 10



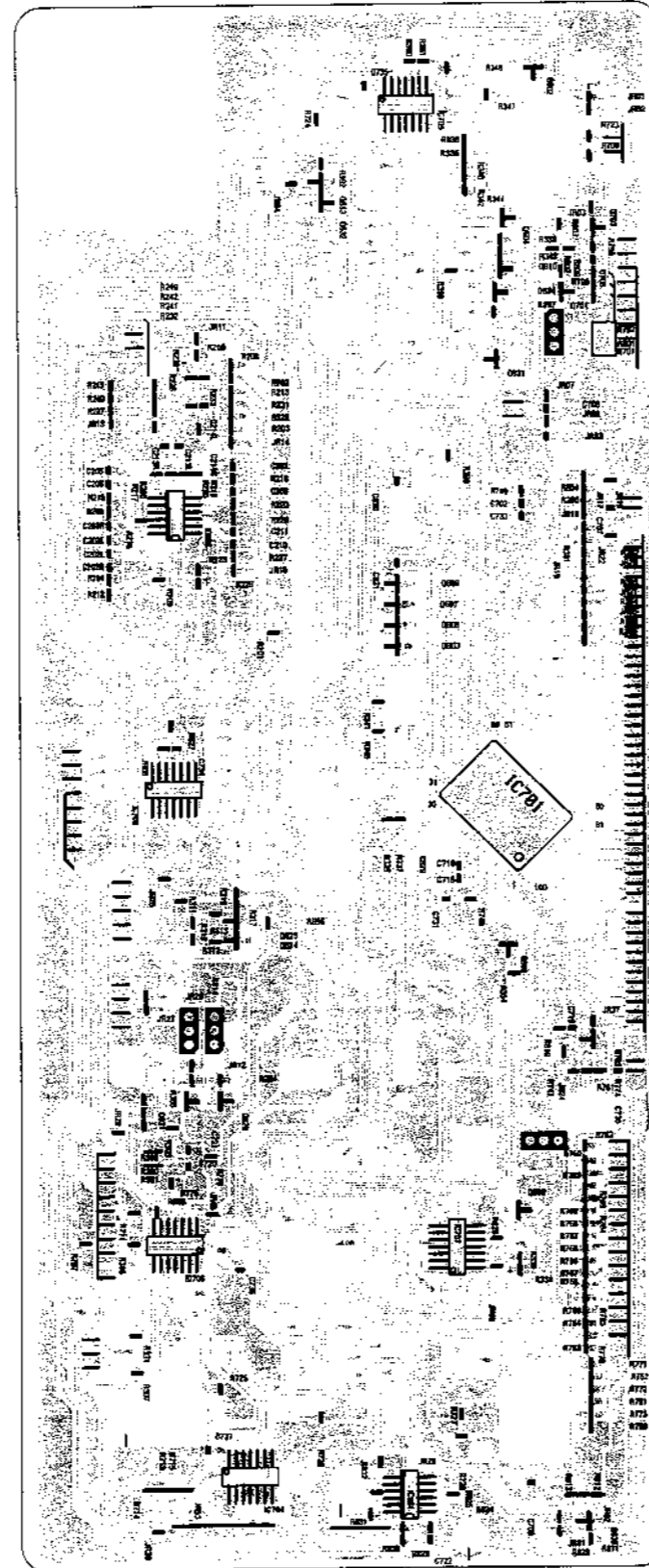
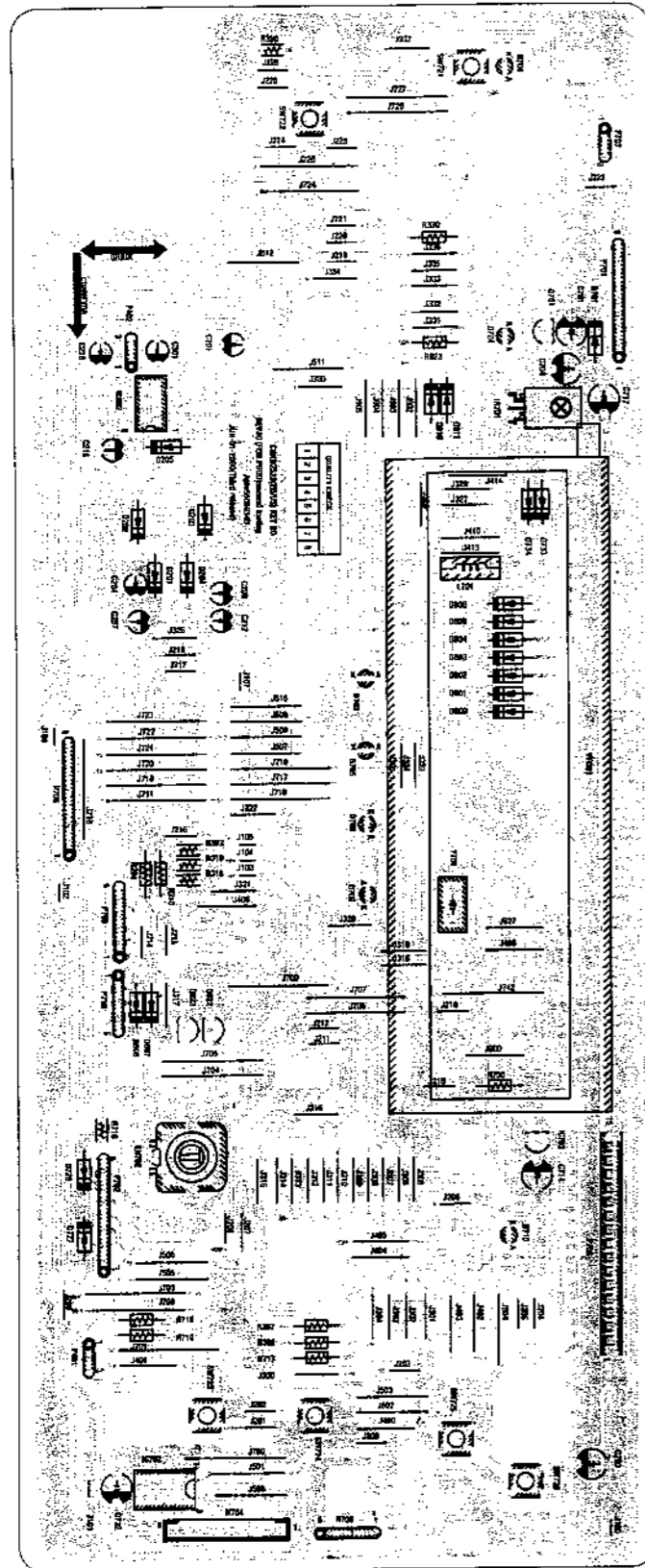
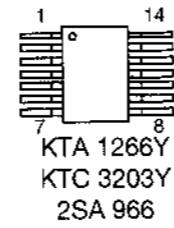
CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - SCHALTBILD BEDIENTEIL / ANZEIGE - SCHEMA COMANDI / INDICATORE - ESQUEMA MANDOS / INDICADOR



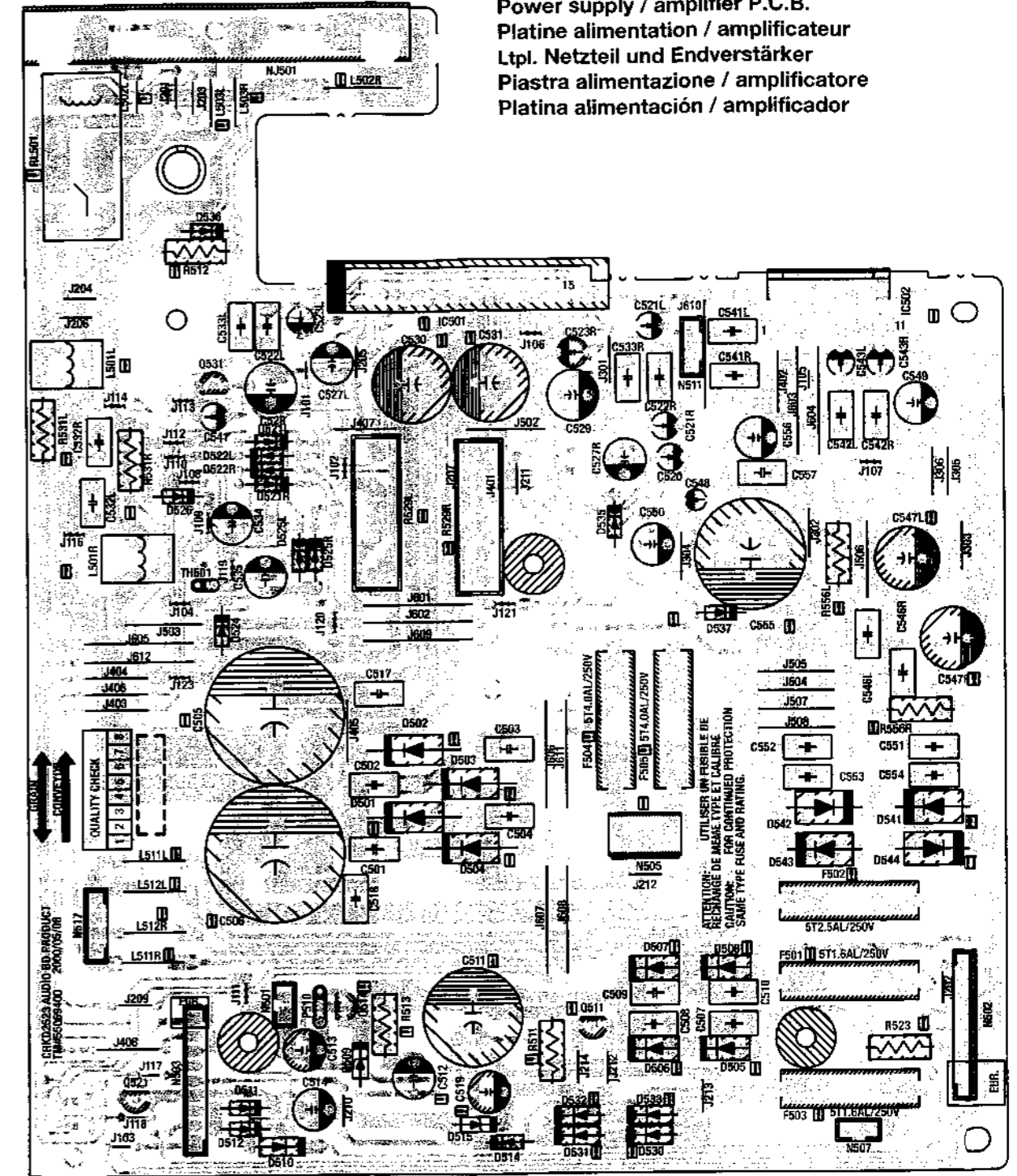
AMPLIFIER AND POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR ET DE L'ALIMENTATION - SCHALTBILD ENDVERSTÄRKER UND NETZTEIL - SCHEMA DELL'AMPLIFICATORE E DELL'ALIMENTAZIONE - ESQUEMA DEL AMPLIFICADOR Y DE LA ALIMENTACIÓN



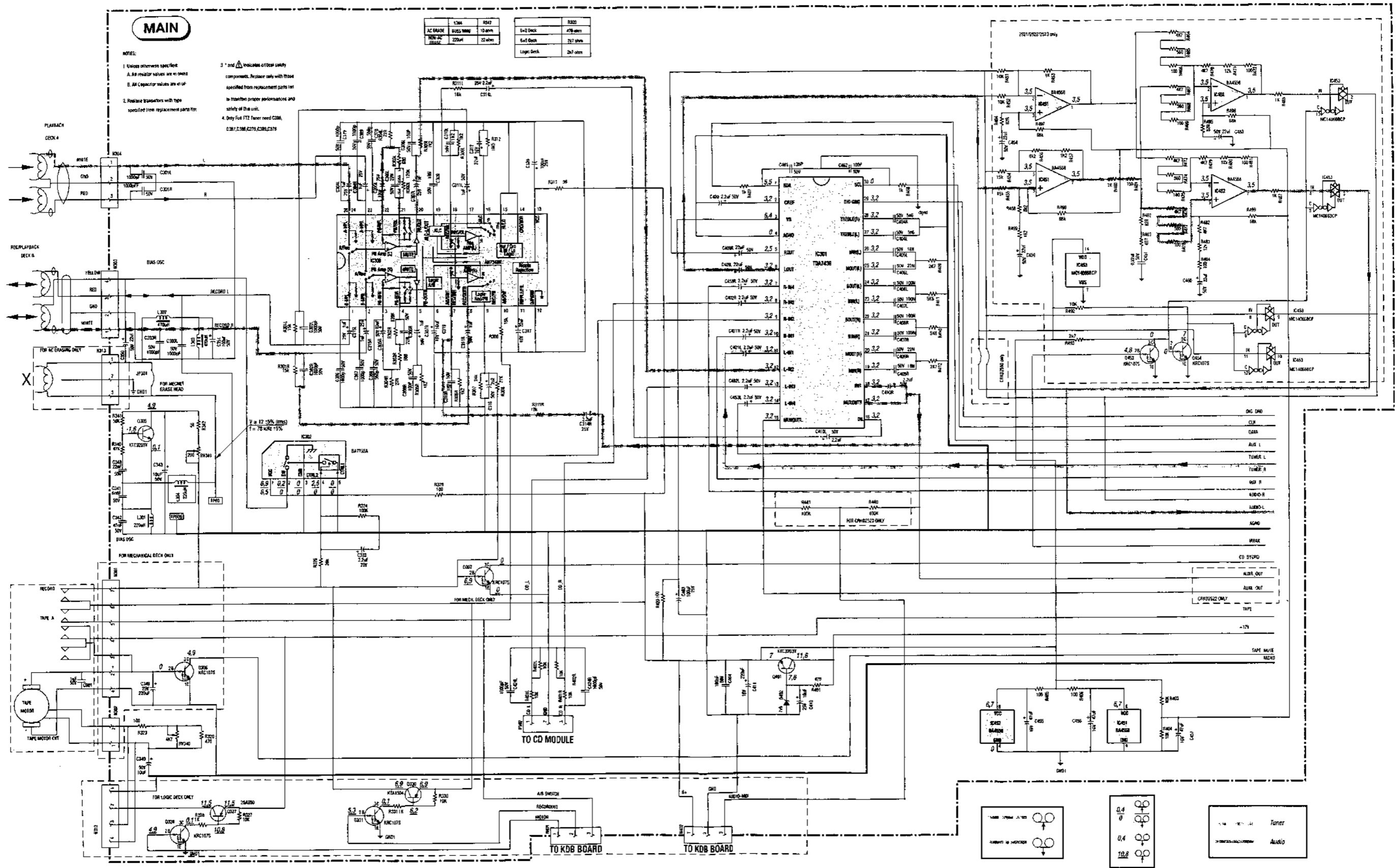
Controls / display P.C.B.
 Platine commandes / afficheurs
 Ltpl. Bedienteil / Anzeige
 Piastra comandi / indicatore
 Platina de mandos / indicadores



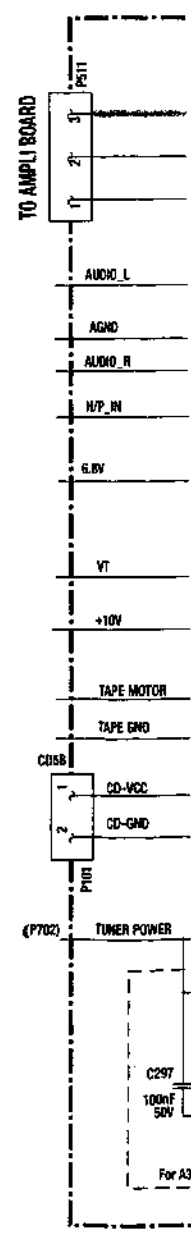
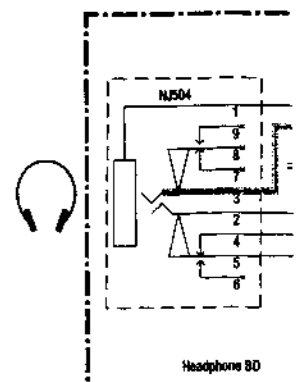
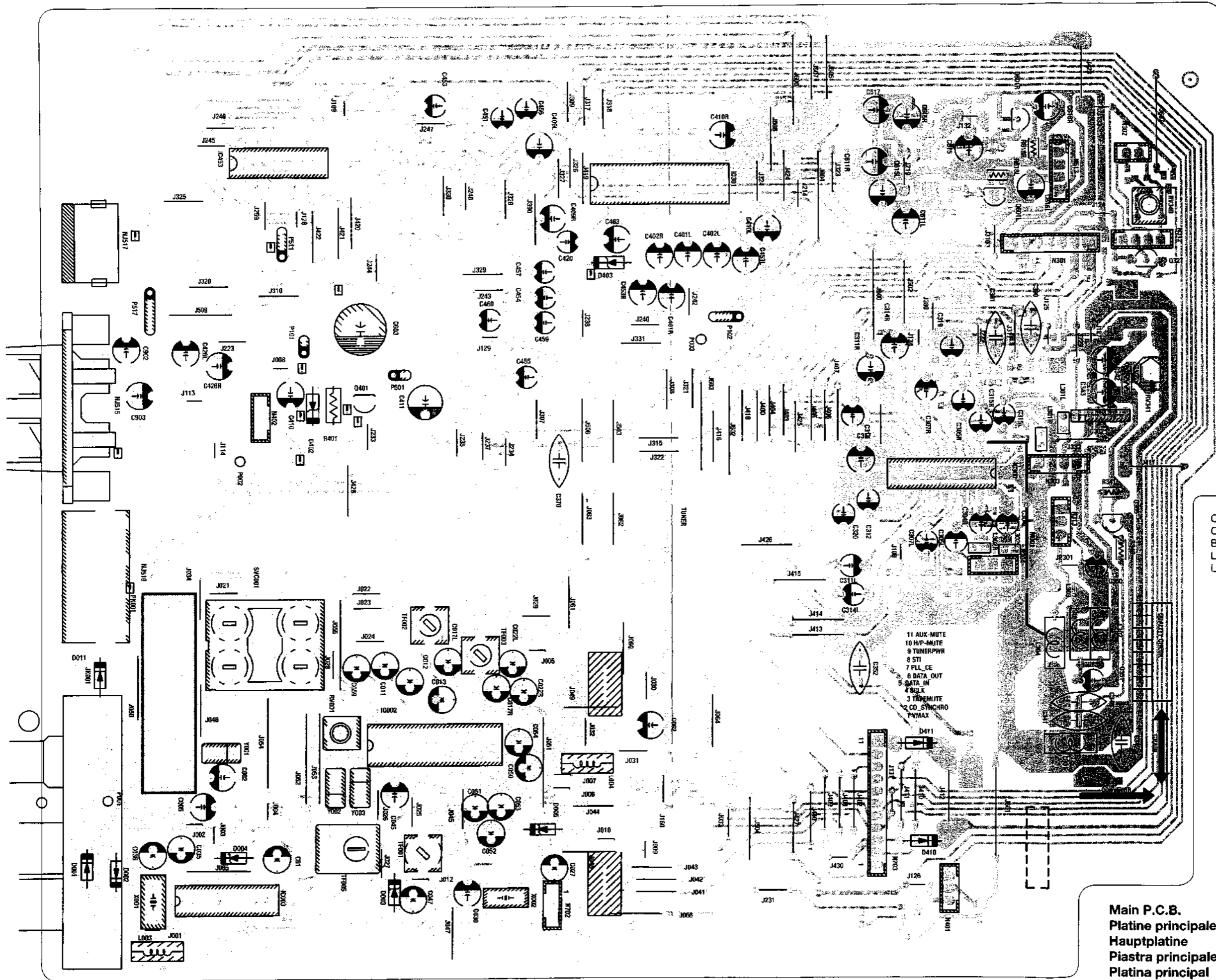
Power supply / amplifier P.C.B.
 Platine alimentation / amplificateur
 Ltpl. Netzteil und Endverstärker
 Piastra alimentazione / amplificatore
 Platina alimentación / amplificador



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL

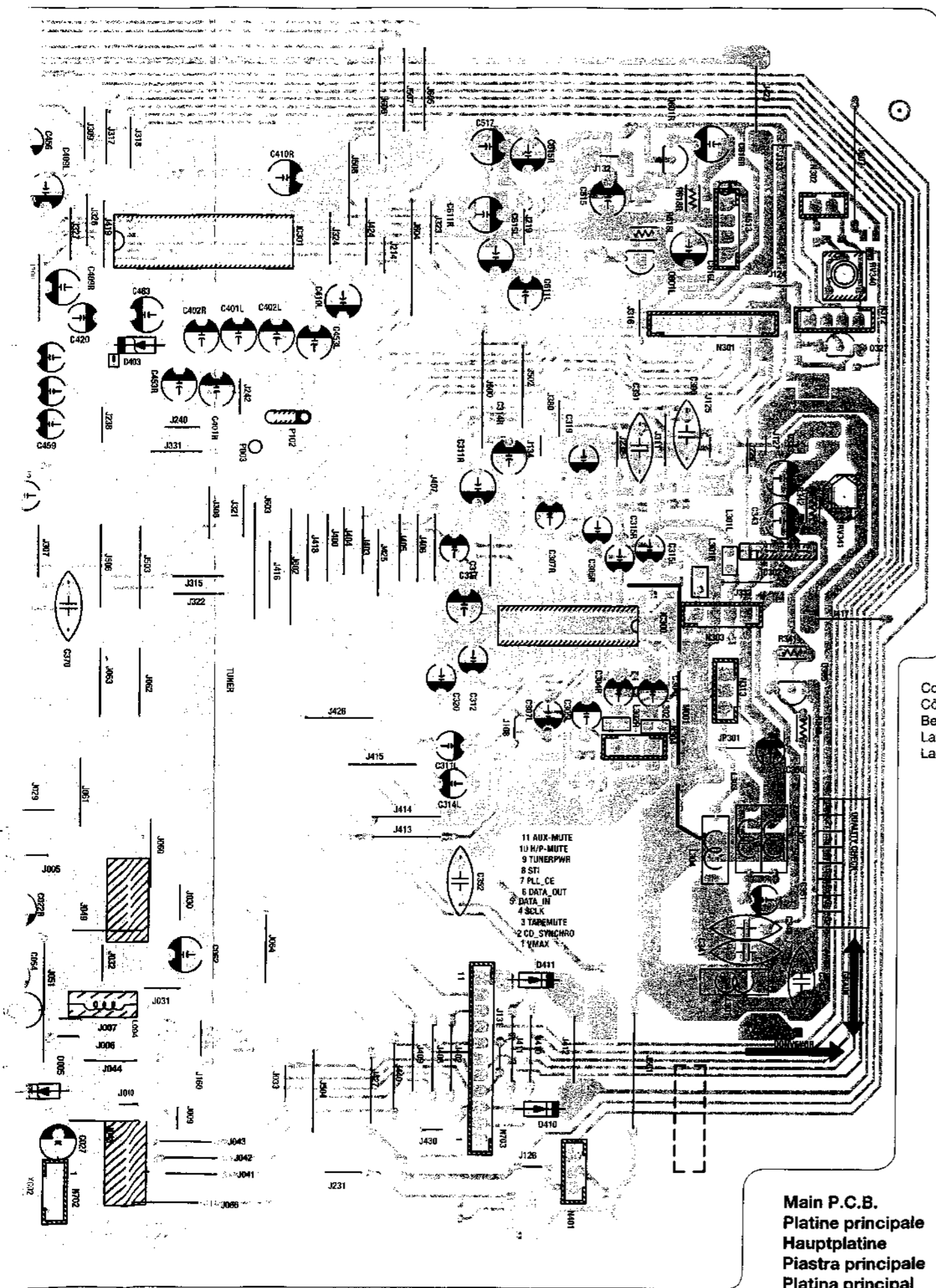


HEADPHONE-JACK
 SCHEMA DE LA PL
 KOPFHÖRERBUCH
 SCHEMA DELLA PI
 ESQUEMA DE LA P



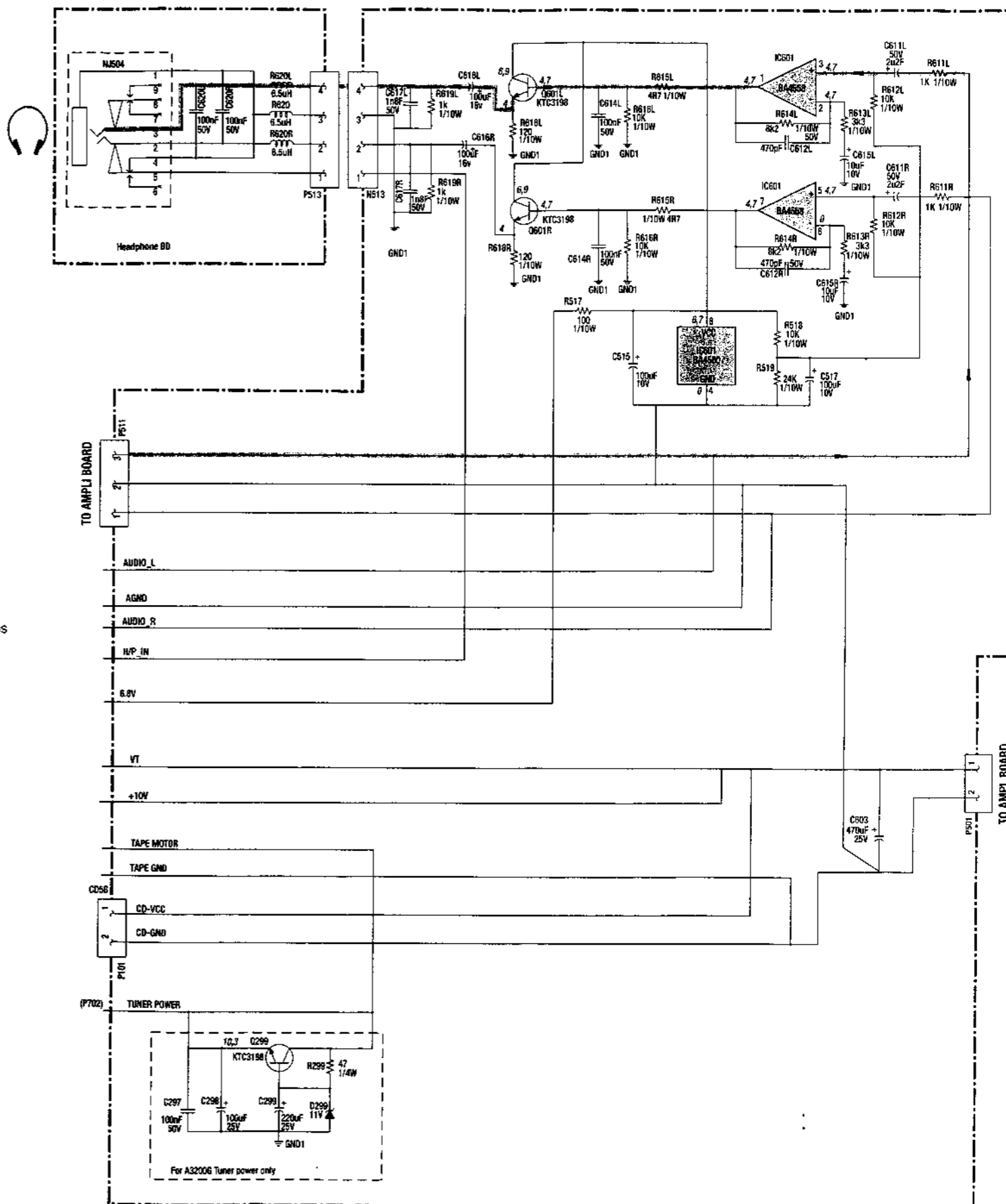
Component side
 Côté composants
 Bestückungsseite
 Lato componenti
 Lado componentes

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

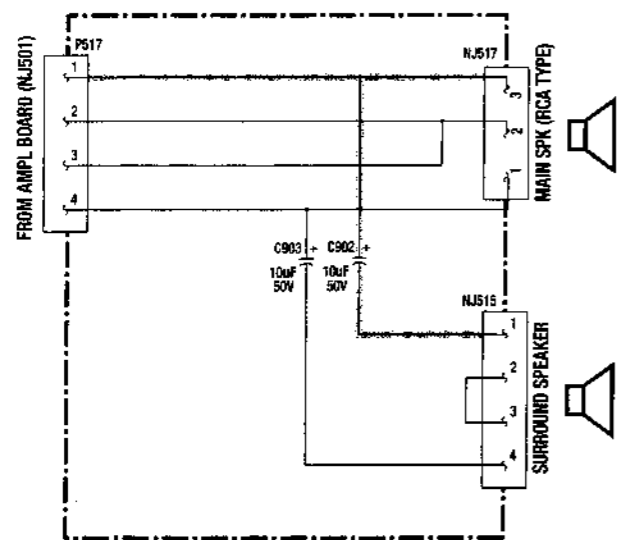
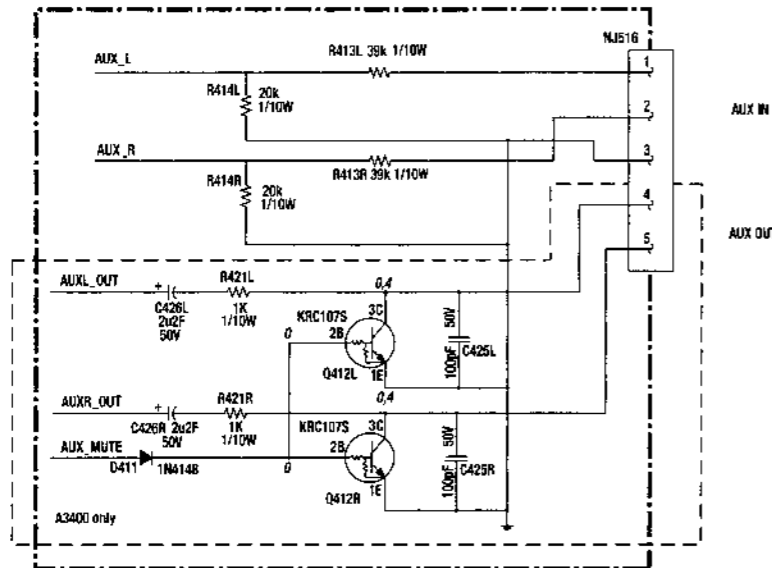


Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

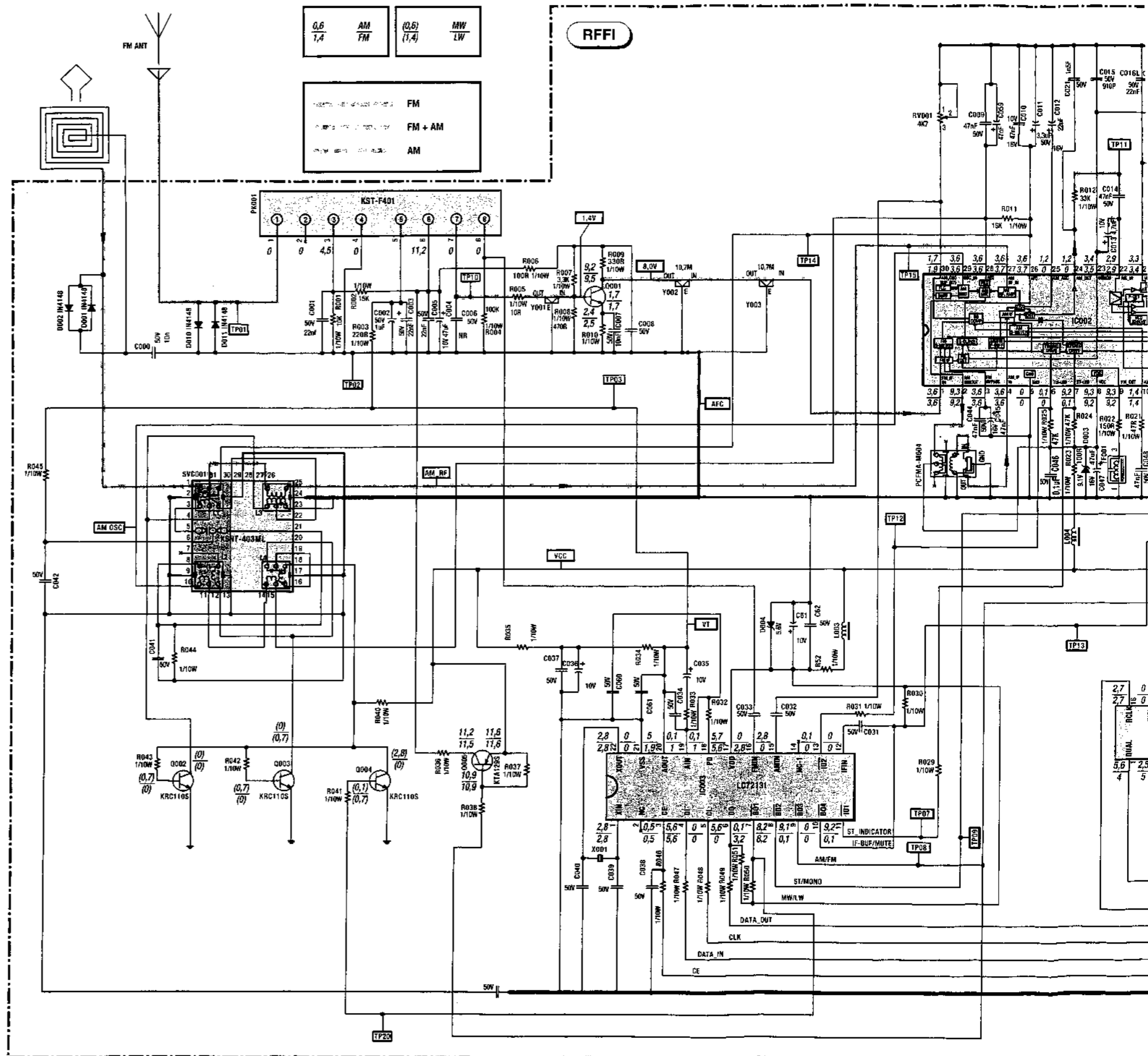
HEADPHONE-JACK AND REC-LEVEL SCHEMATIC DIAGRAM -
SCHEMA DE LA PLATINE CASQUE ET REC-LEVEL -
KOPFHÖRERBUCHSE UND REC-LEVEL SCHALTBIKD -
SCHEMA DELLA PIASTRA PER CUFFIA E REC-LEVEL -
ESQUEMA DE LA PLATINA AURICULARES Y REC-LEVEL

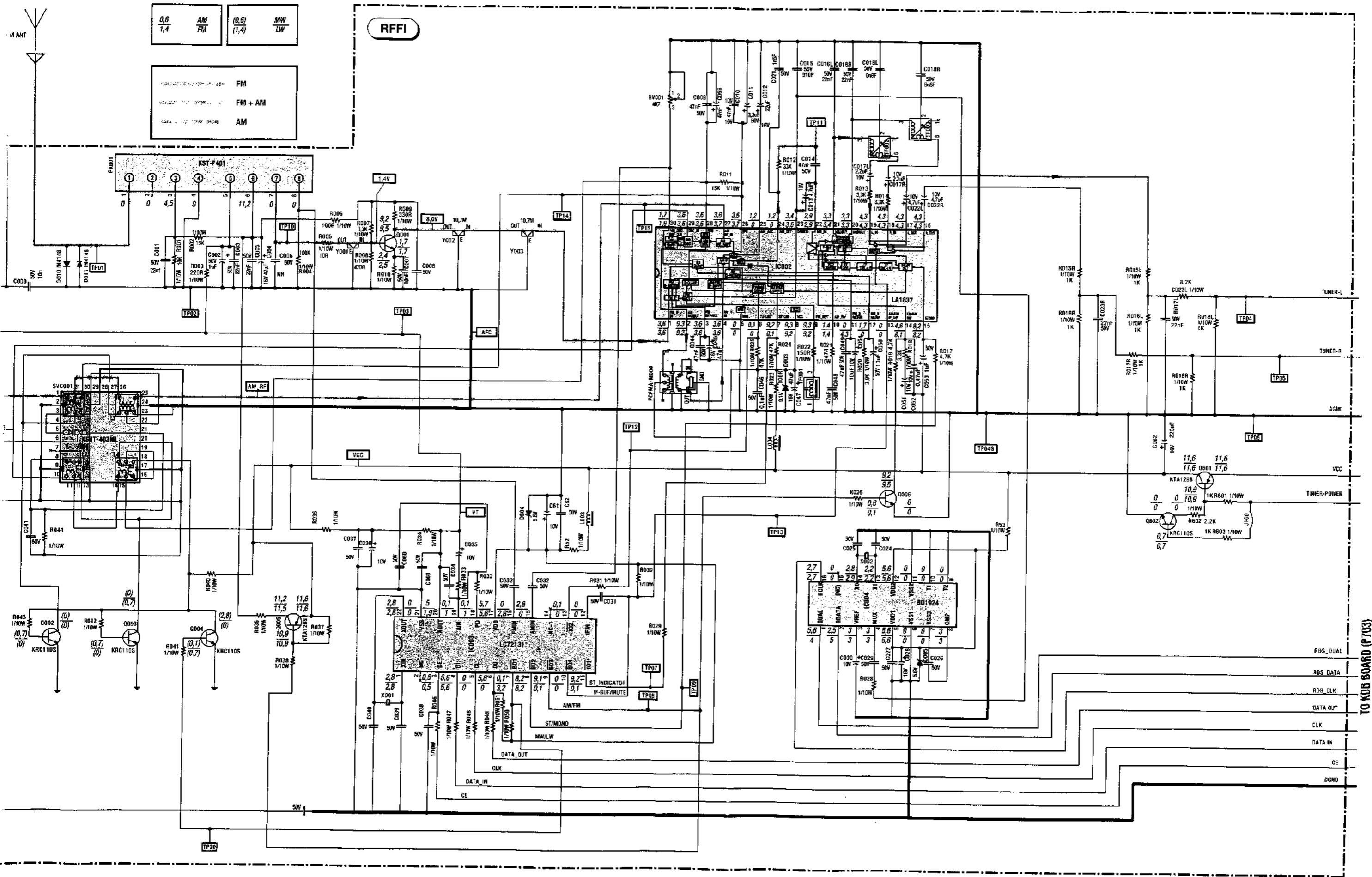


**INPUT / OUTPUT SOCKETS SCHEMATIC DIAGRAM -
SCHEMA DES ENTREES / SORTIES -
SCHALTBILD EINGÄNGE / AUSGÄNGE -
SCHEMA INGRESSO / USCITÀ -
ESQUEMA ENTRADA / SALIDA**



RF / FI SCHEMATIC DIAGRAM - SCHEMA HF / FI - SCHALTBILD HF / ZF - SCHEMA HF / FI - ESQUEMA RF / FI





TO KUB BOARD (P703)

ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

AM alignment						
	Gf		f	18888 KHZ		
Osc	1	LW	150 kHz	150 kHz		TP03 V = 1,8V ±0,4V
	2	LW	283 kHz	283 kHz		TP03 V = 7,5V ±0,5V
	3	MW	522 kHz	522 kHz		TP03 V = 1,2V ±0,4V
	4	MW	1611 kHz	1611 kHz		TP03 V = 7,5V ±0,5V

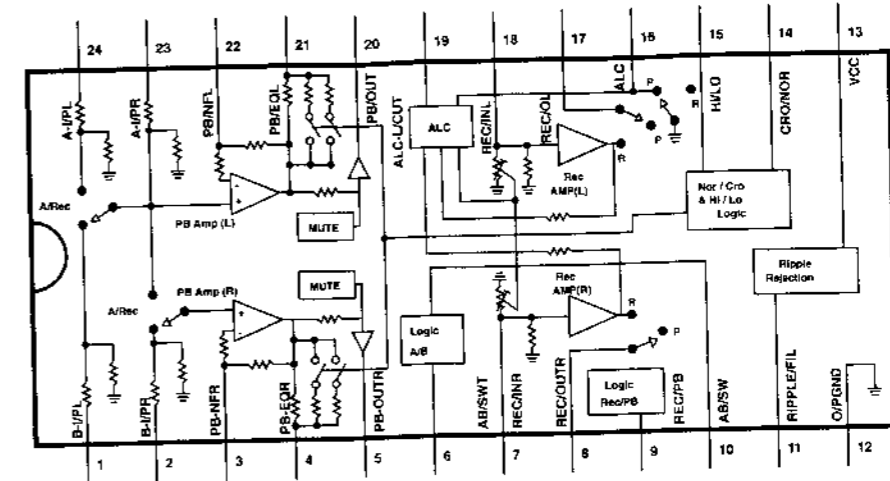
FM alignment						
	Gf		f	18888 KHZ		
VT	1		87,5 MHz	87,5 MHz		TP3 V = 1,3V ±0,2V
	2		108,7 MHz	108,7 MHz		TP3 7,2 < V < 9,0
IF	3		10,7 MHz	10,7 MHz	TF001	TP11

Va = 10 mV

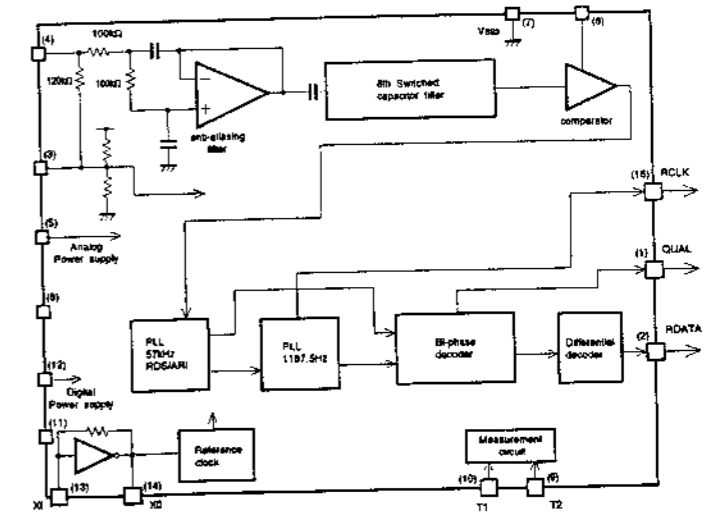
Decoder						
	Gf		f	18888 KHZ		
	1	Lch	98 MHz	98 MHz	TF003	Rch min
	2	25dBu Rch	98 MHz	98 MHz	TF002	Lch min

Scan stop						
	Gf		f	18888 KHZ		
FM	1	25dBf	98 MHz	98 MHz	TV001	TP12
	2	25dBf	89,95 kHz			TP12

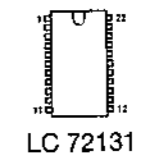
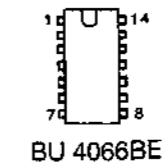
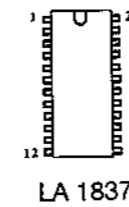
IC 300 AN 7348K



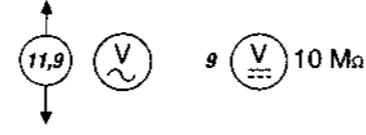
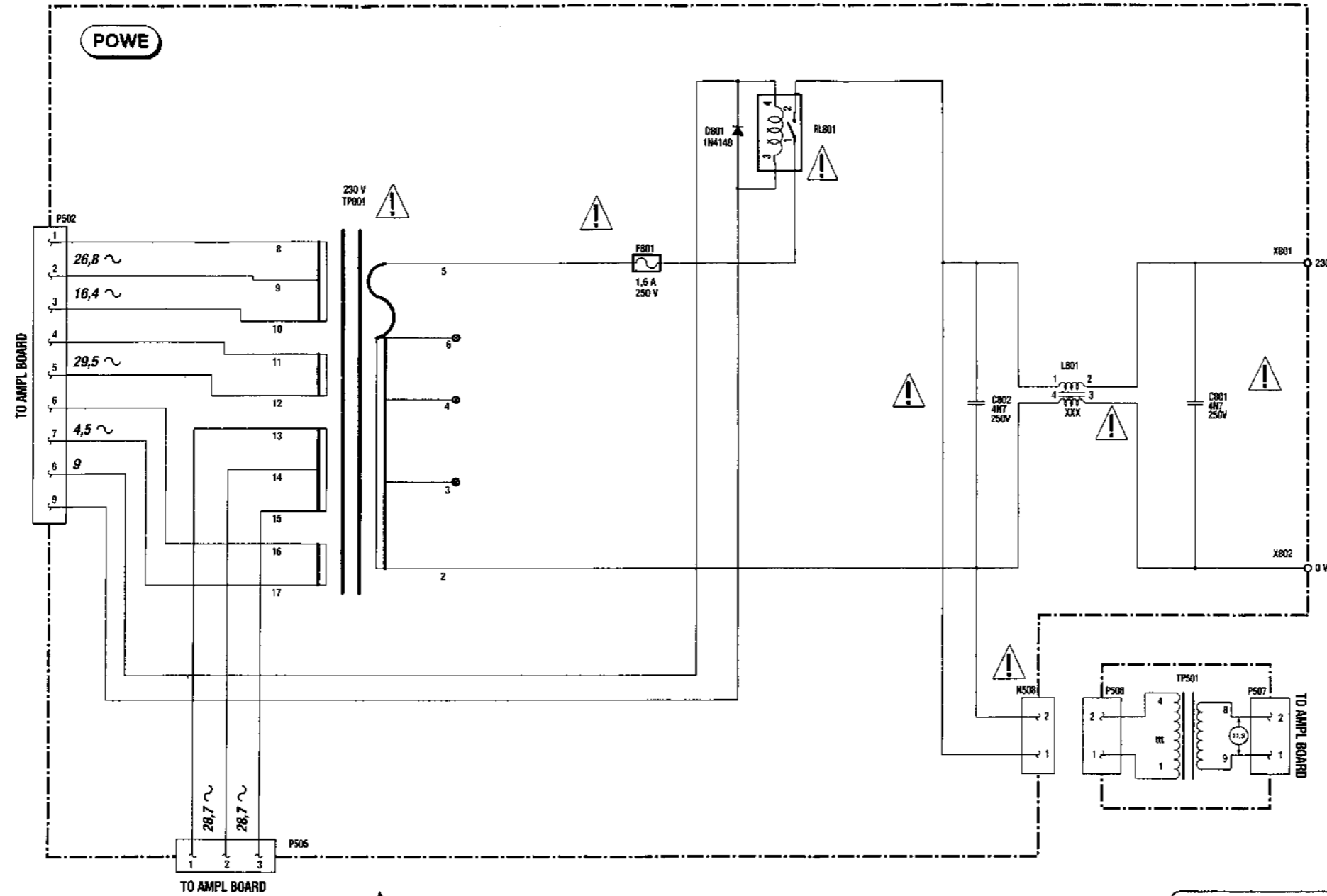
IC 004 BU 1924



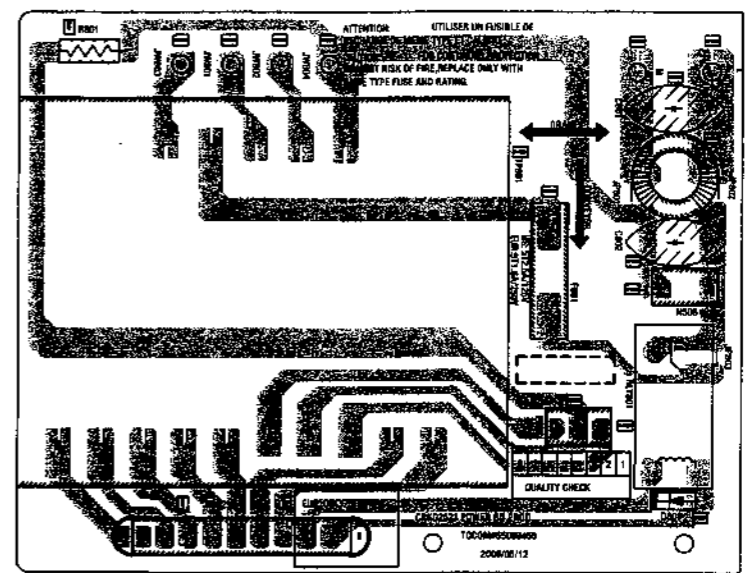
KTC 3203Y
KTA 1505GR
2SA 1266Y
KTC 3198Y



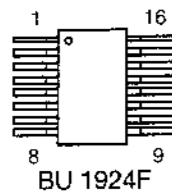
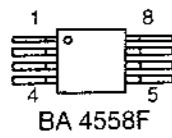
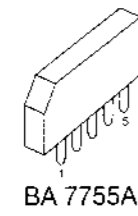
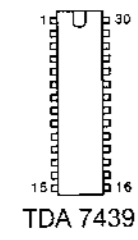
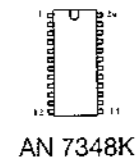
POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL - SCHEMA DELL'ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACIÓN



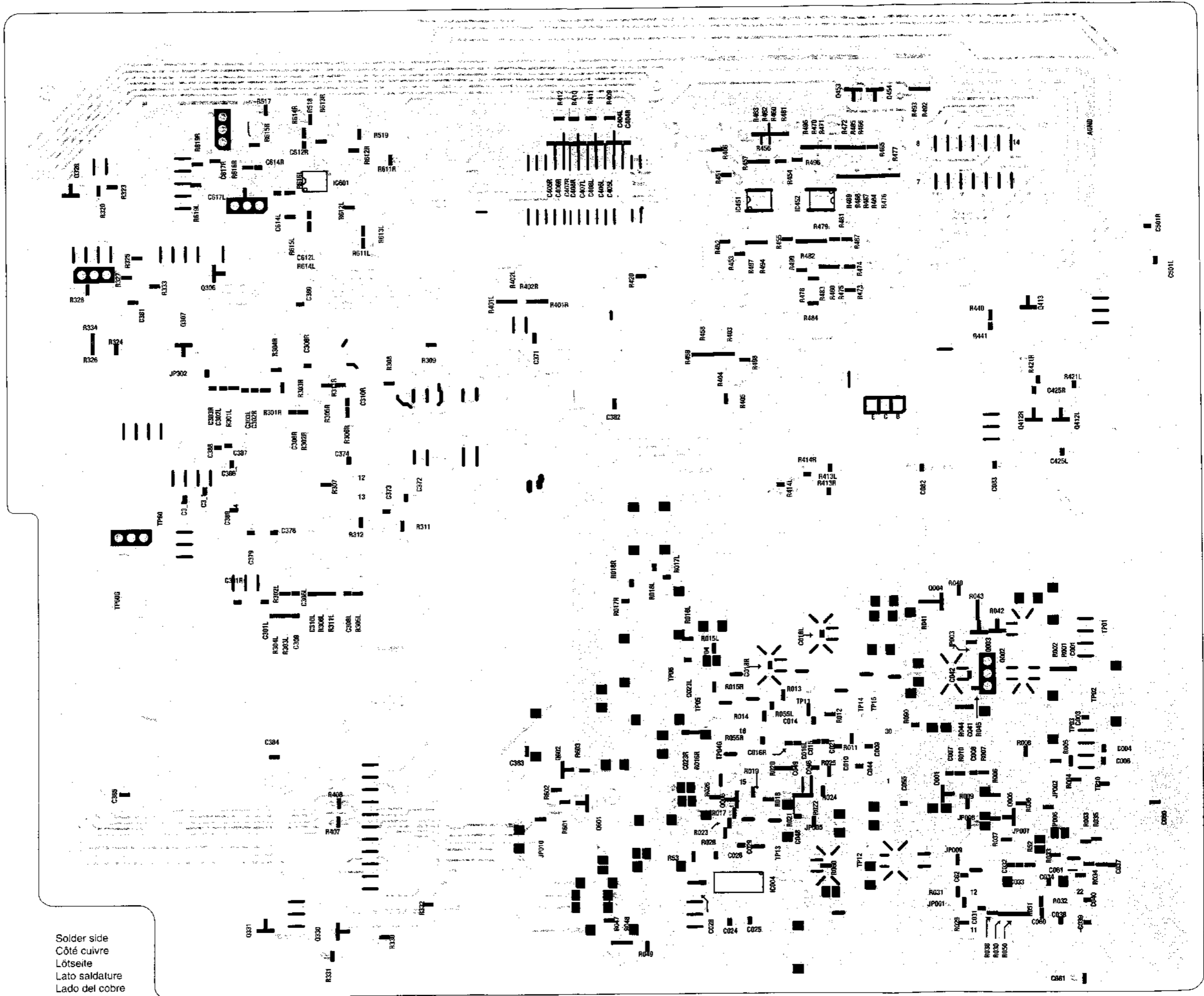
Power supply P.C.B.
 Platine alimentation
 Ltpl. Netzteil
 Piastra alimentazione
 Platina alimentación

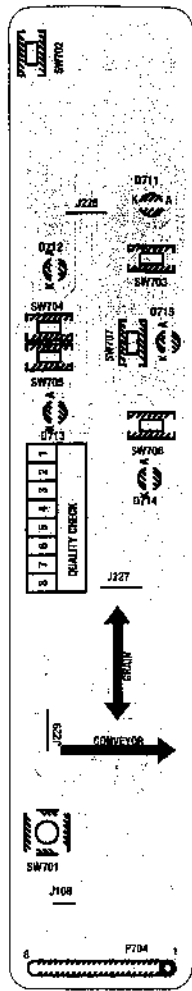
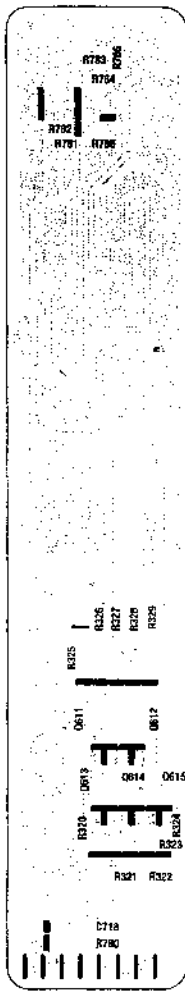


Main P.C.B.
 Platine principale
 Hauptplatine
 Piastra principale
 Platina principal

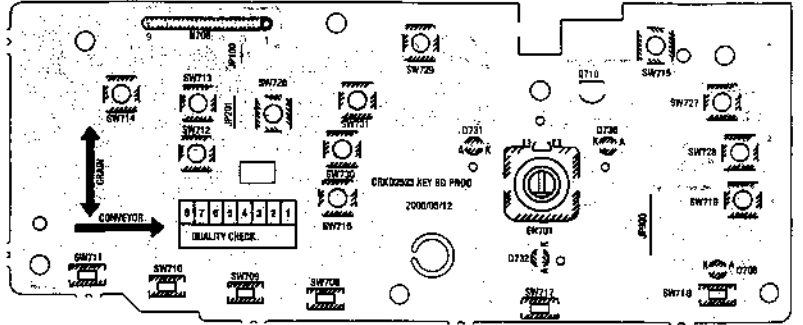


Solder side
 Côté cuivre
 Lötseite
 Lato soldature
 Lado del cobre

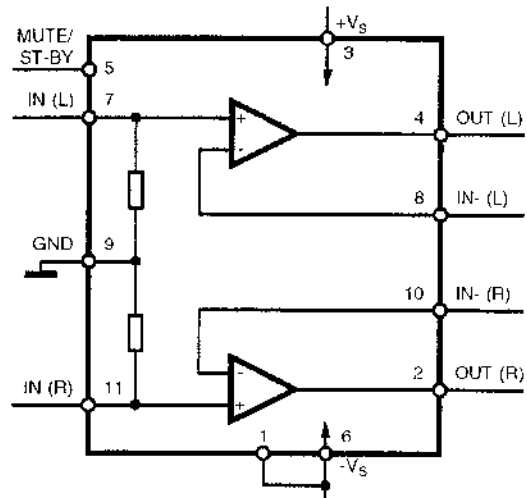




Controls / display P.C.B.
 Platine commandes / afficheurs
 Ltp. Bedienteil / Anzeige
 Piastra comandi / indicatori
 Platina de mandos / indicadores



IC 502 TDA 7269



IC 301 TDA 7439

