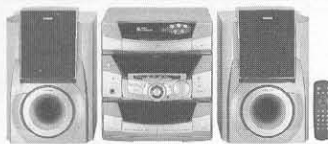


**SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA**

**THOMSON ALTIMA 3600
ALTIMA 3800**

Version (PC*): A

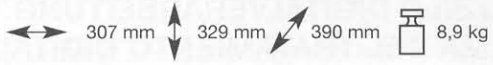




ALTIMA 3600



ALTIMA 3800

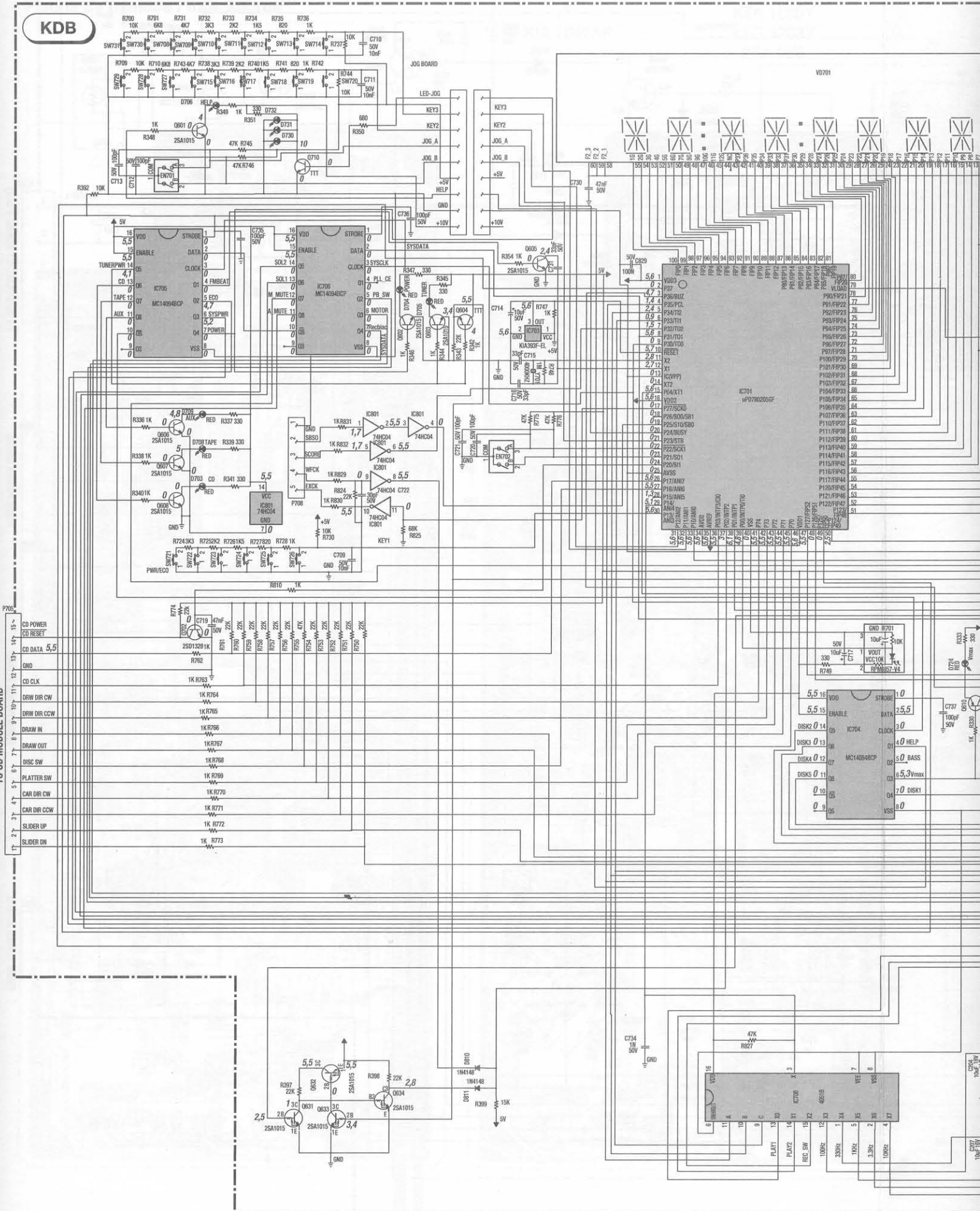
**Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Características del aparato**

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 : Klirrfaktor : 1 % (f = 1 kHz) Distorsión armónica : Distorsione armonica :	Signal to noise ratio : Rapport signal / bruit : Geräuschspannungsabstand : 65 dB Rapporto segnale / disturbo : Relación señal / ruido :

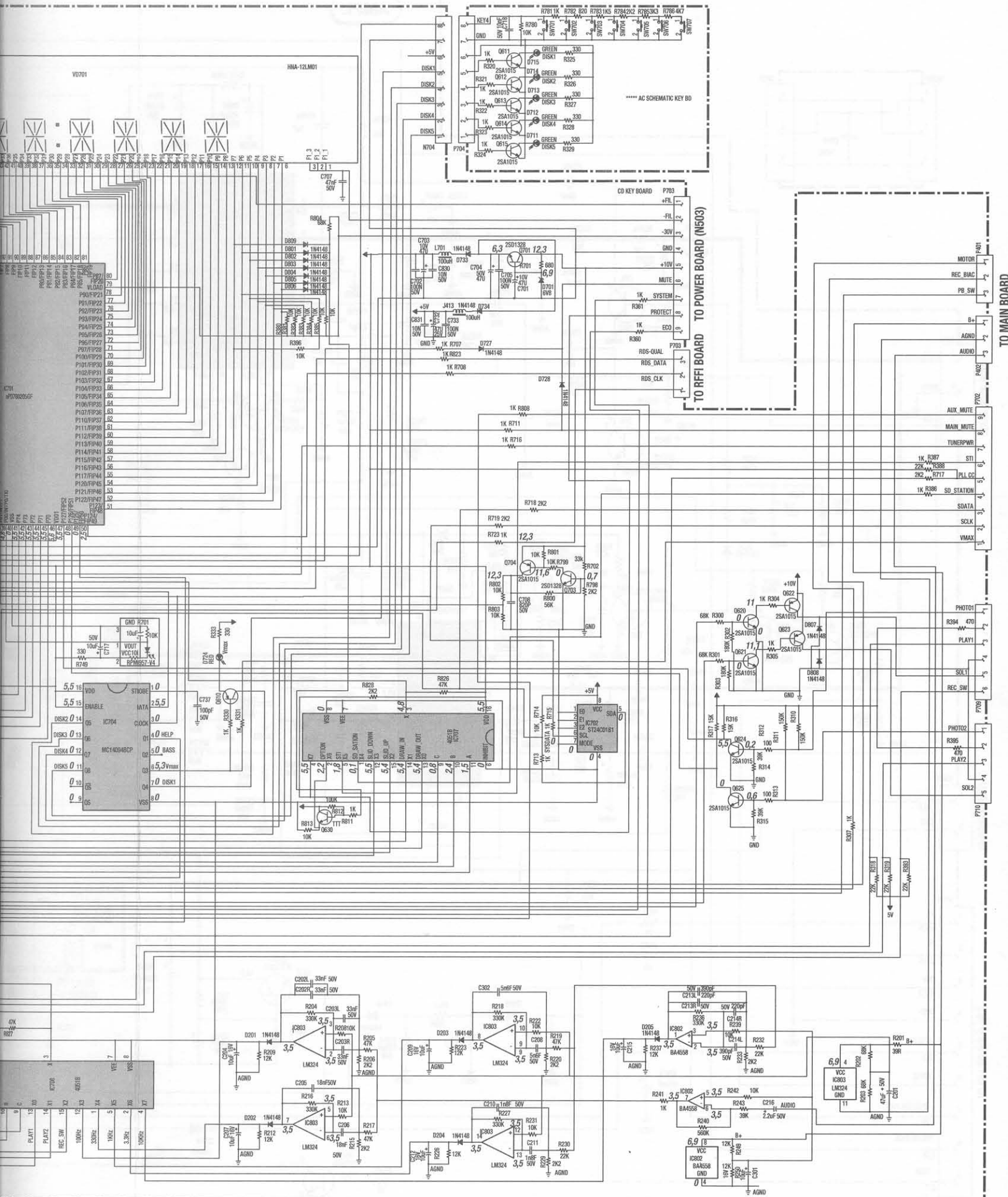


WARNING : Before servicing this chassis please read the safety recommendations.
ATTENTION : Avant toute intervention sur ce châssis, lire les recommandations de sécurité.
ACHTUNG : Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.
ATTENZIONE : Prima di intervenire sullo chassis,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

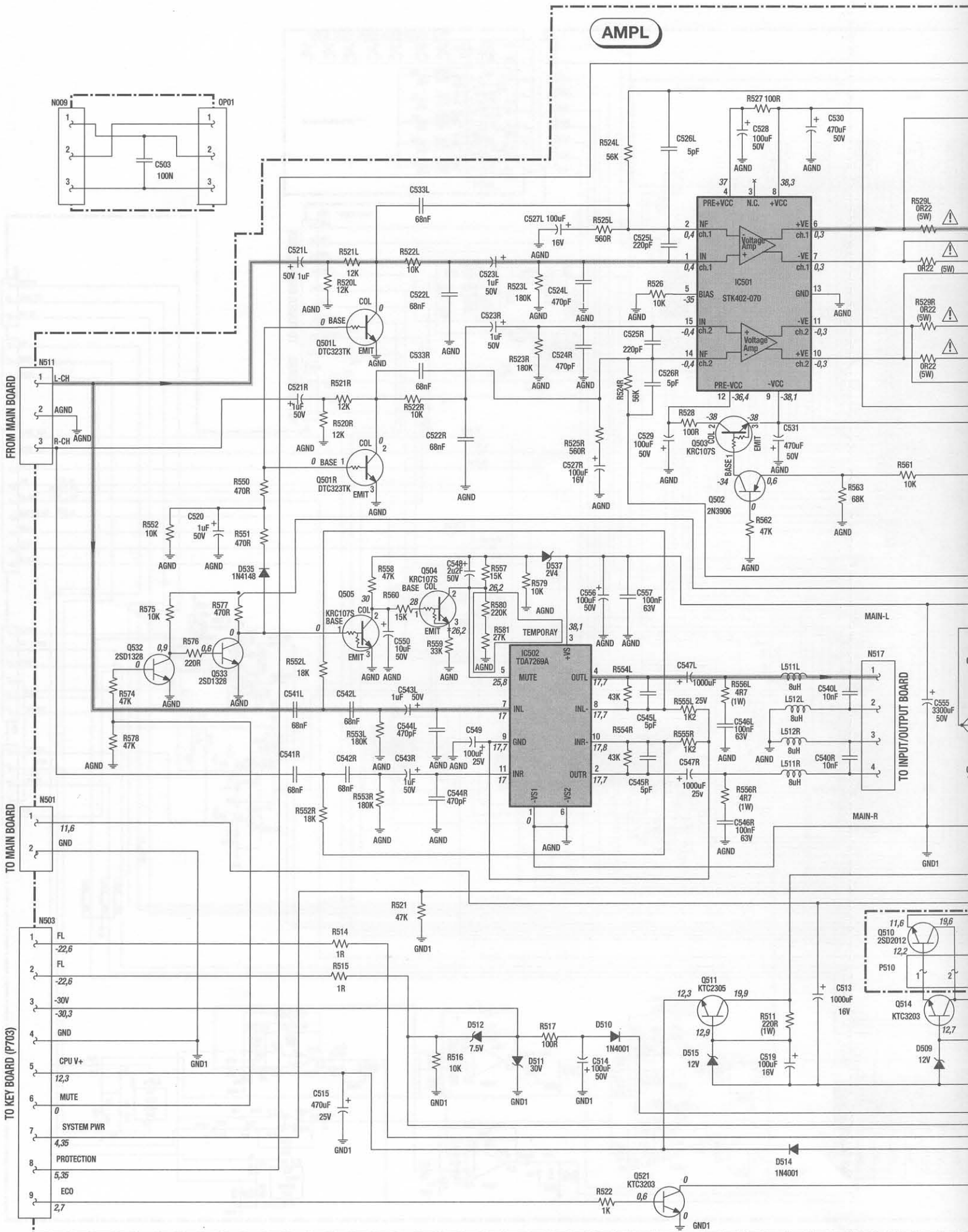
CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - SCHALTBILD BE
 ESQUEMA MANDOS / INDICADOR



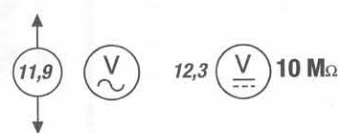
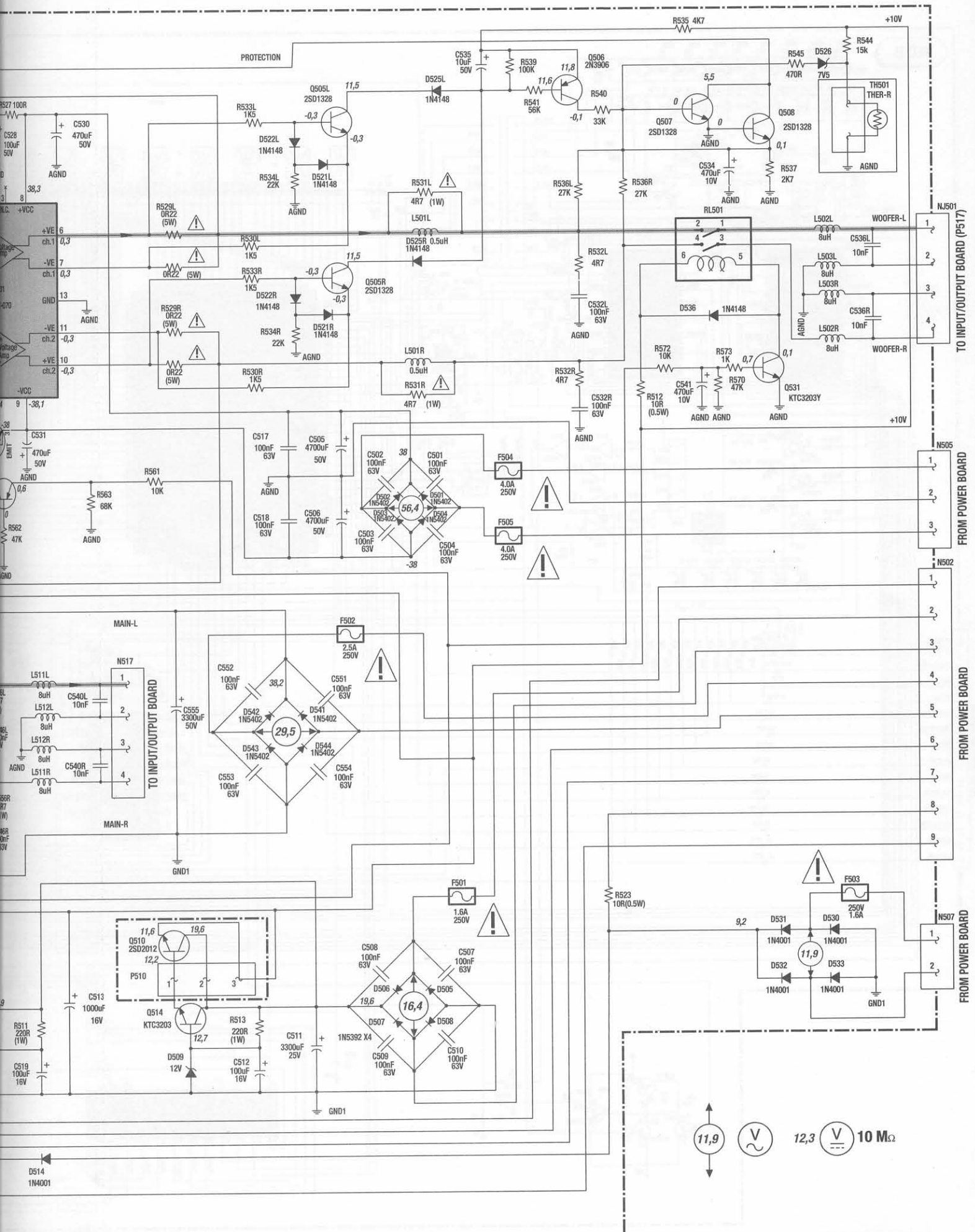
SCHEUR - SCHALTBILD BEDIENTEIL / ANZEIGE - SCHEMA COMANDI / INDICATORE -



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 LA ALIMENTACION



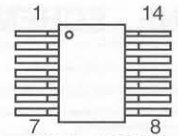
AMPLIFICATEUR ET DE L'ALIMENTATION - SCHALTBILD ENDVERSTÄRKER UND NETZTEIL -
 AMPLIFICADOR Y DE LA ALIMENTACIÓN



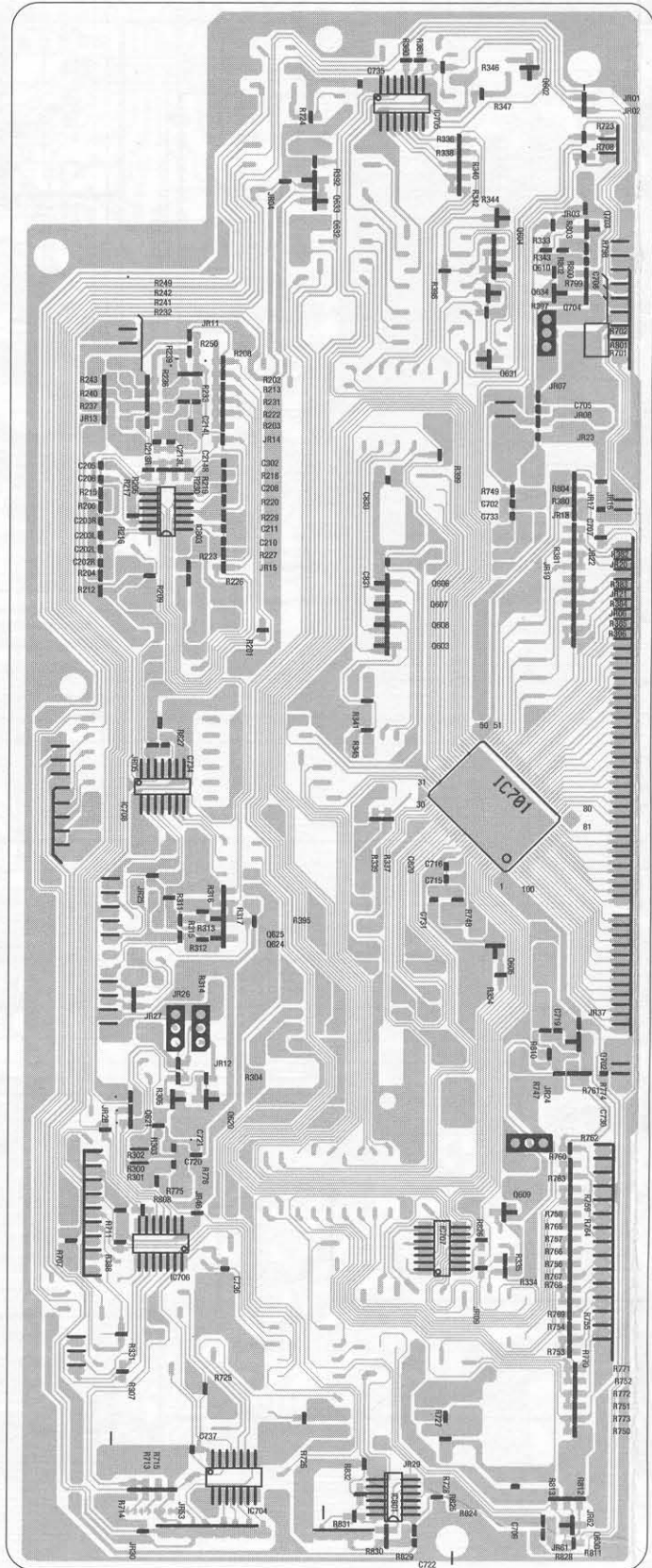
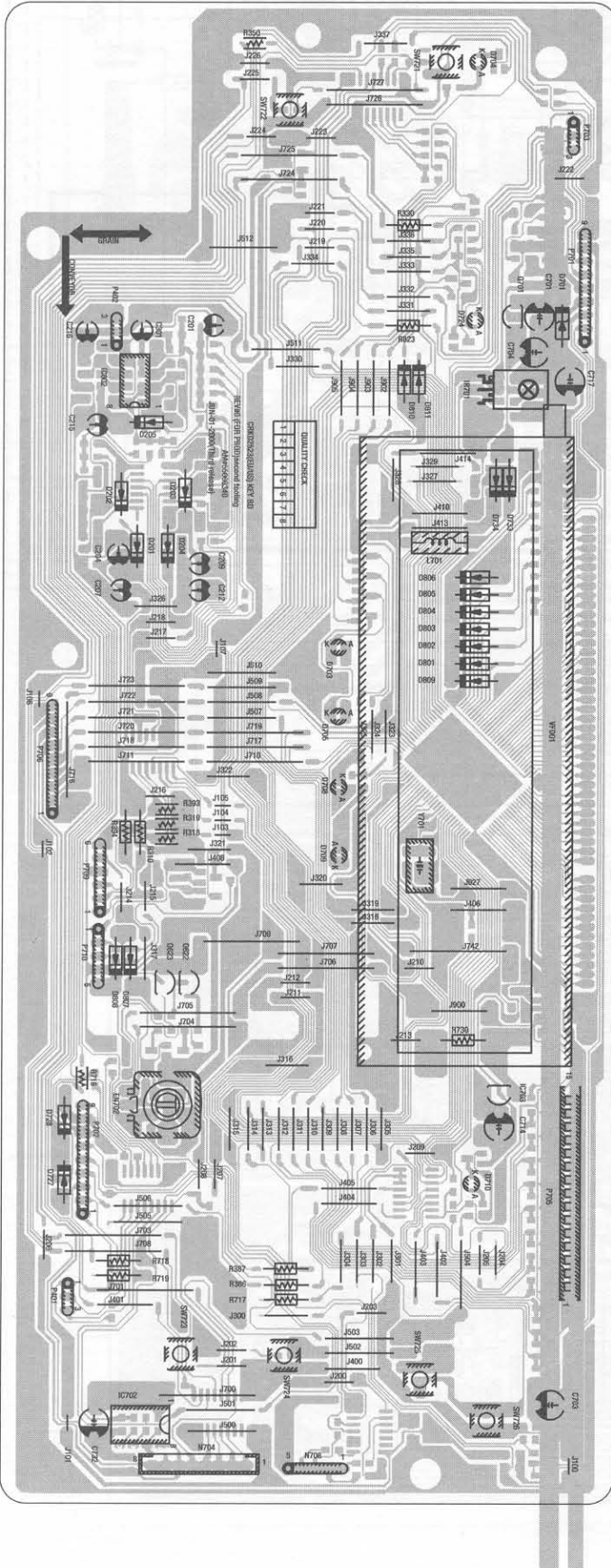
Controls / display P.C.B.
 Platine commandes / afficheurs
 Ltpl. Bedienteil / Anzeige
 Piastra comandi / indicatori
 Platina de mandos / indicadores



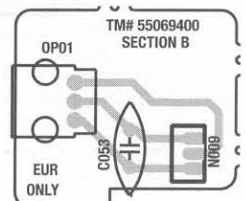
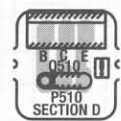
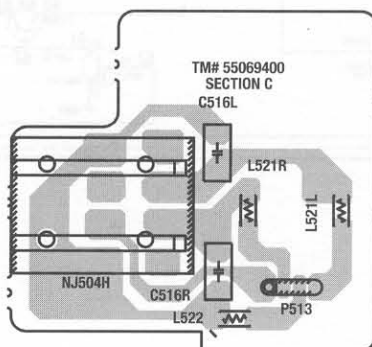
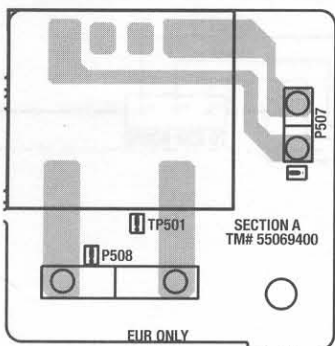
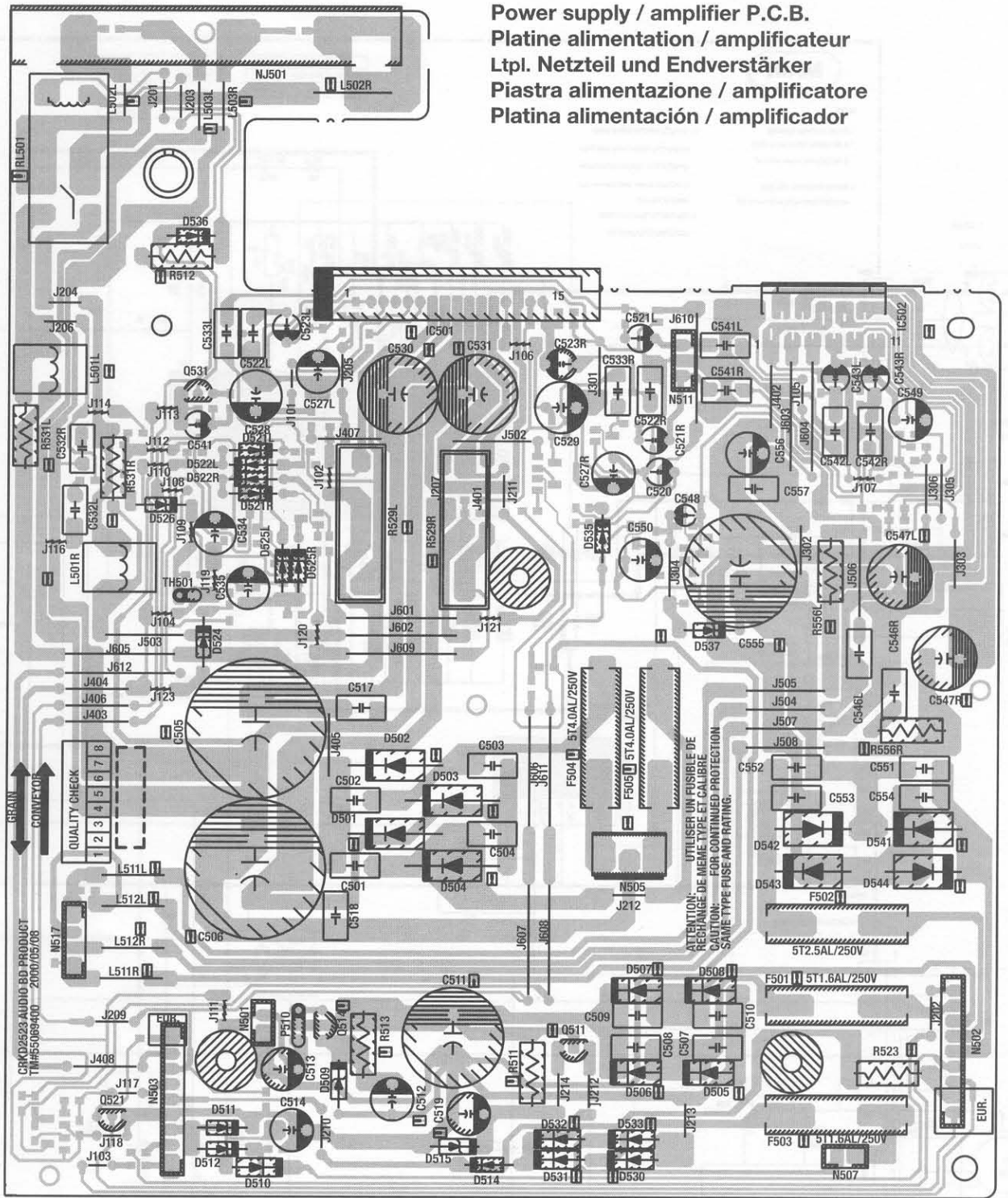
KIA 7042AP



KTA 1266Y
 KTC 3203Y
 2SA 966



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



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

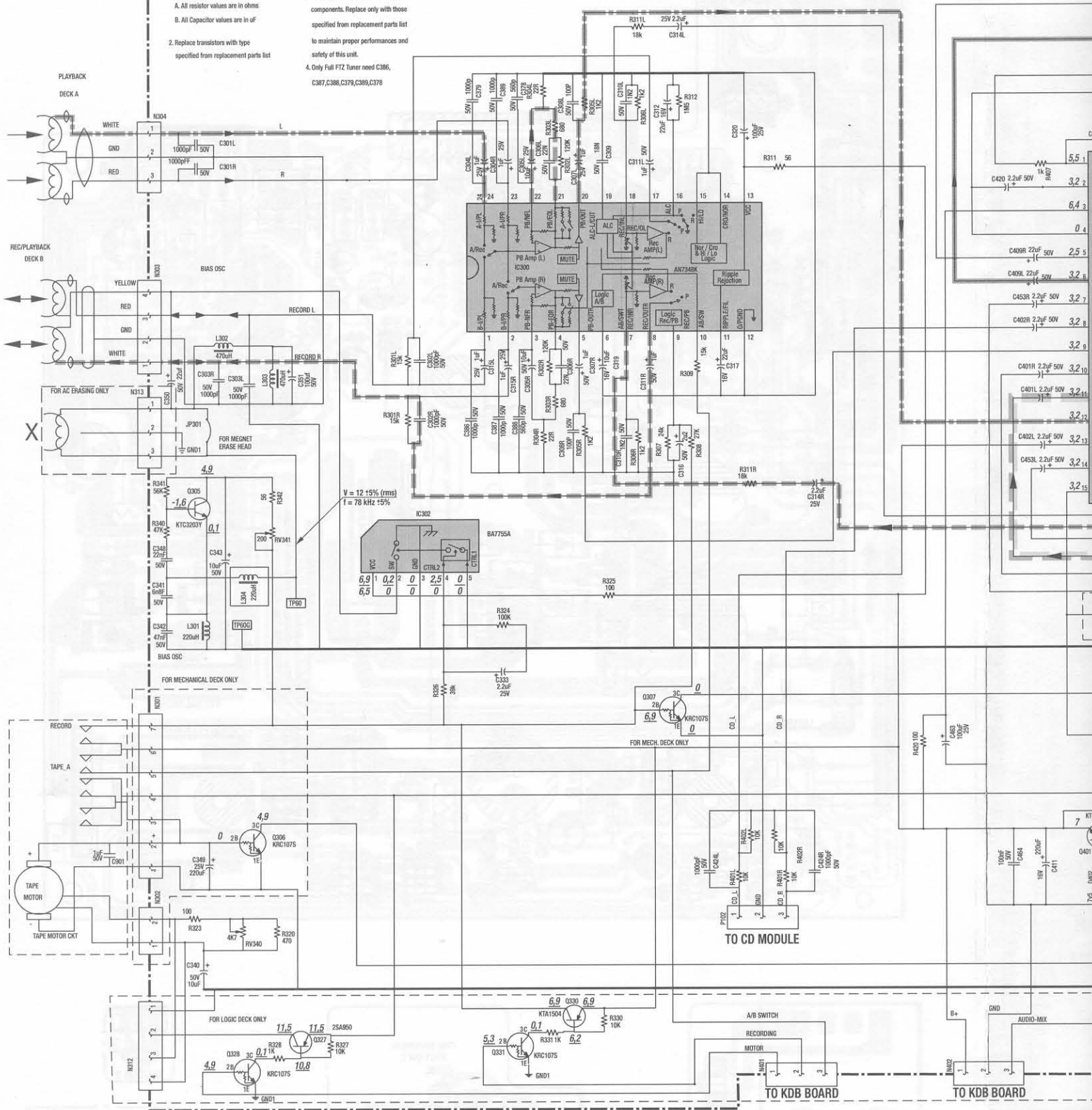
MAIN

NOTES:

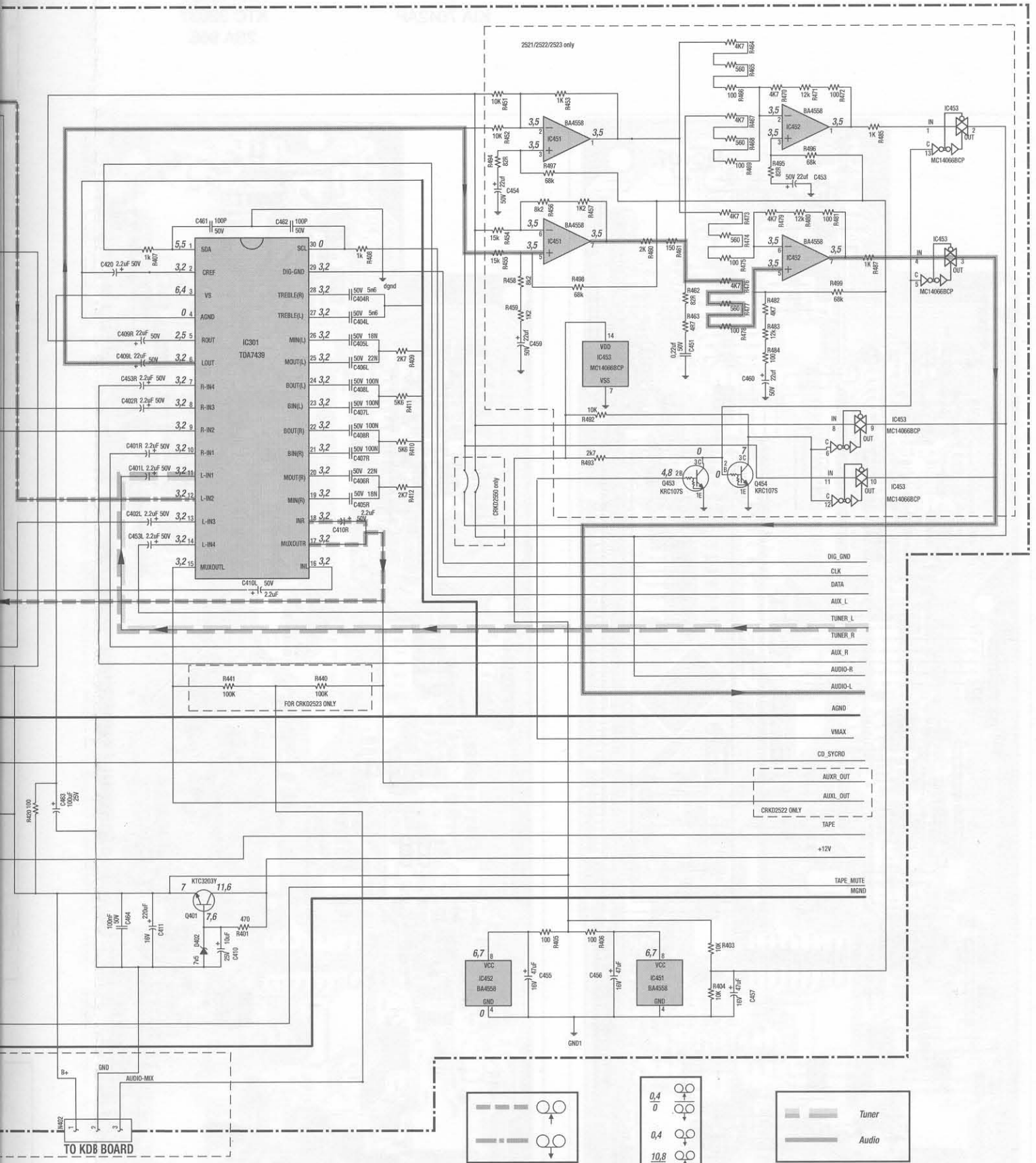
- Unless otherwise specified:
 - All resistor values are in ohms
 - All Capacitor values are in uF
- Replace transistors with type specified from replacement parts list
- * and Δ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performance and safety of this unit.
 - Only Full FTZ Tuner need C386, C387, C388, C379, C389, C378

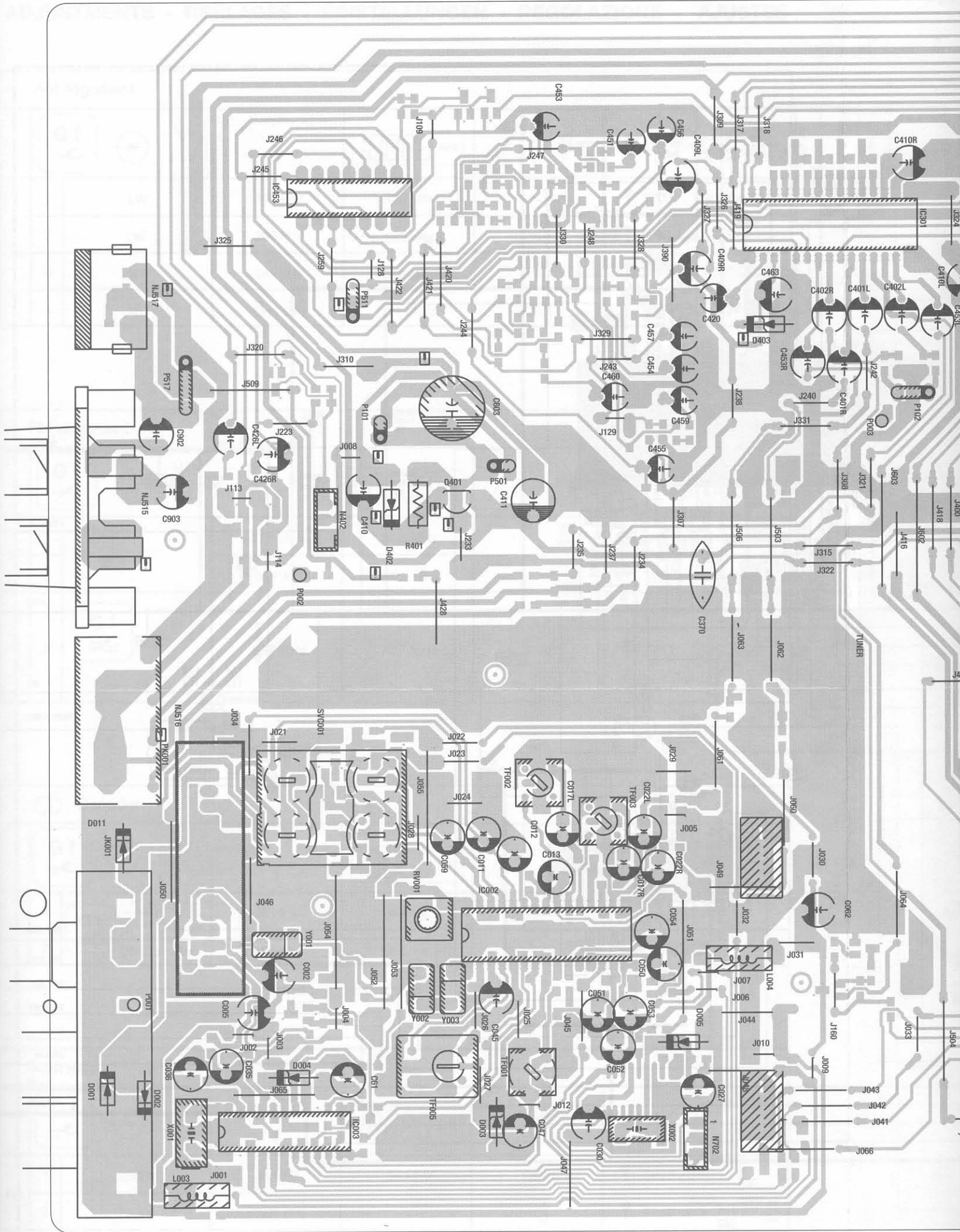
L304	R342
AC ERASE	BISS WIRE
220uH	10 ohm
	22 ohm

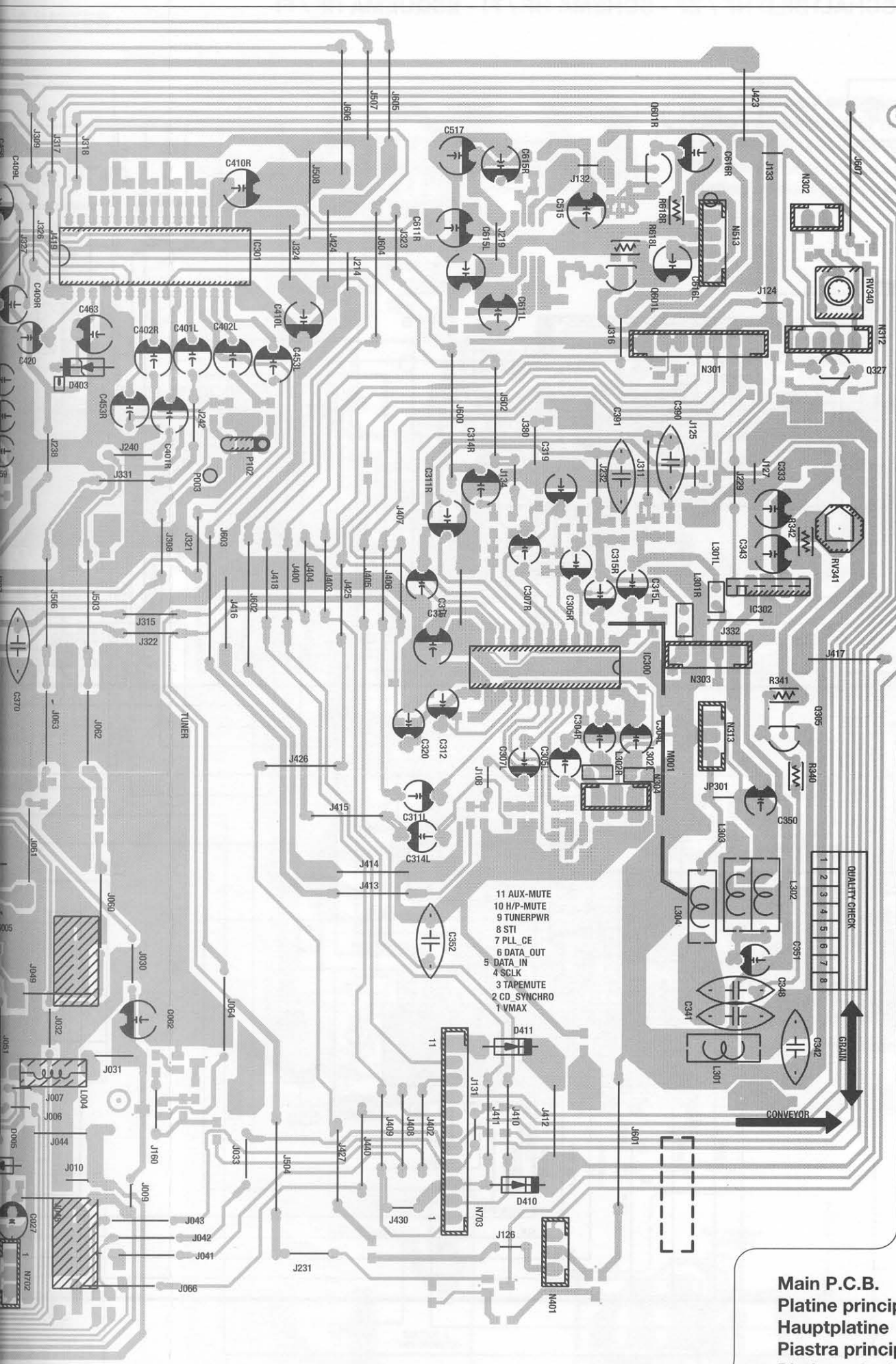
R320
6+2 Deck
470 ohm
6+5 Deck
2K7 ohm
Logic Deck
2K7 ohm



ILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL





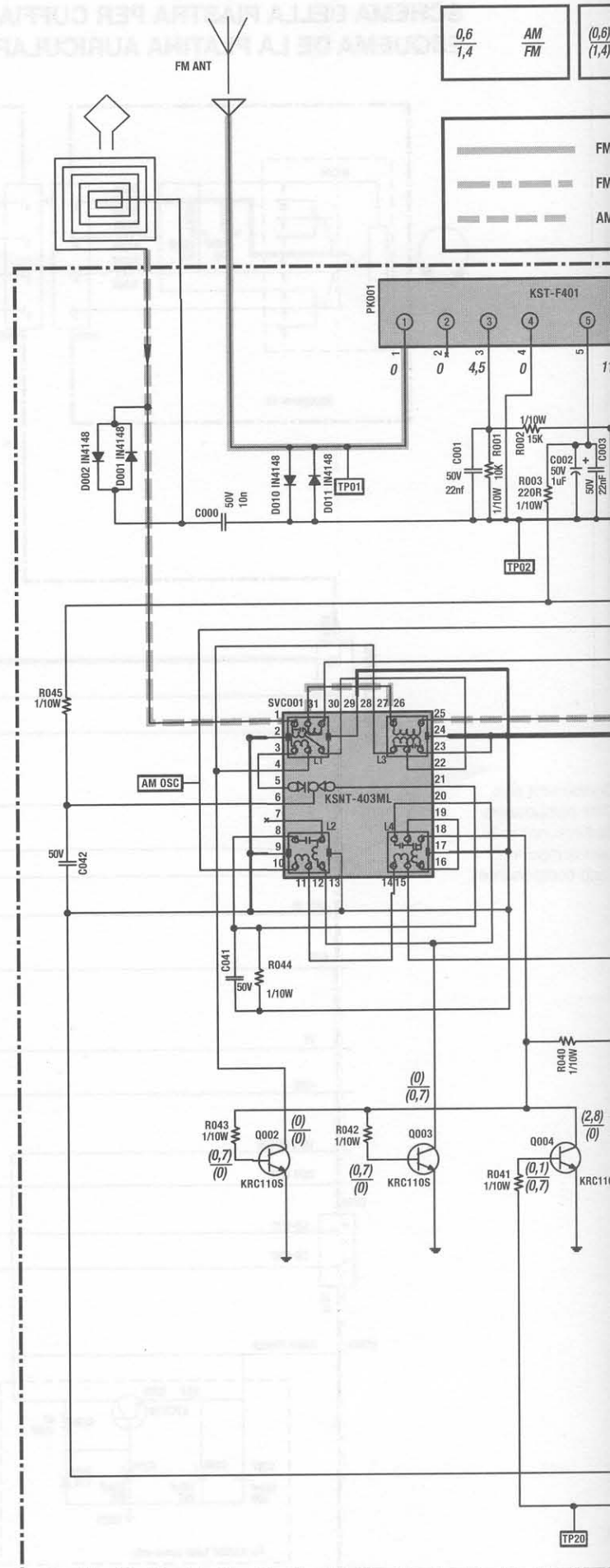
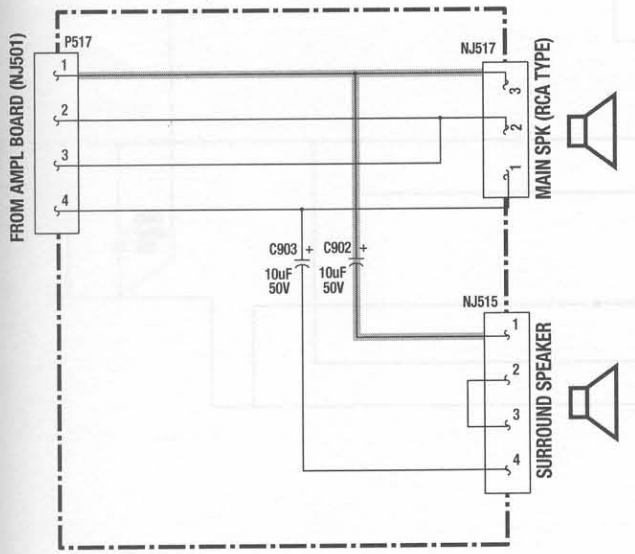
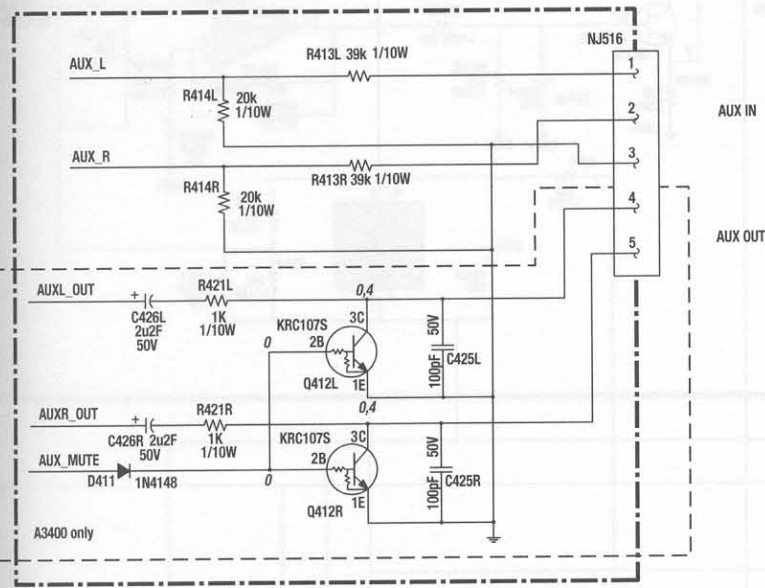


Component side
 Côté composants
 Bestückungsseite
 Lato componenti
 Lado componentes

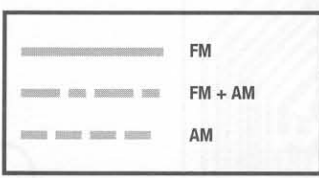
Main P.C.B.
Platine principale
Hauptplatine
Piastra principale
Platina principal

INPUT / OUTPUT SOCKETS SCHEMATIC DIAGRAM -
 SCHEMA DES ENTREES / SORTIES -
 HALTBILD EINGÄNGE / AUSGÄNGE -
 SCHEMA INGRESSO / USCITA' -
 SCHEMA ENTRADA / SALIDA

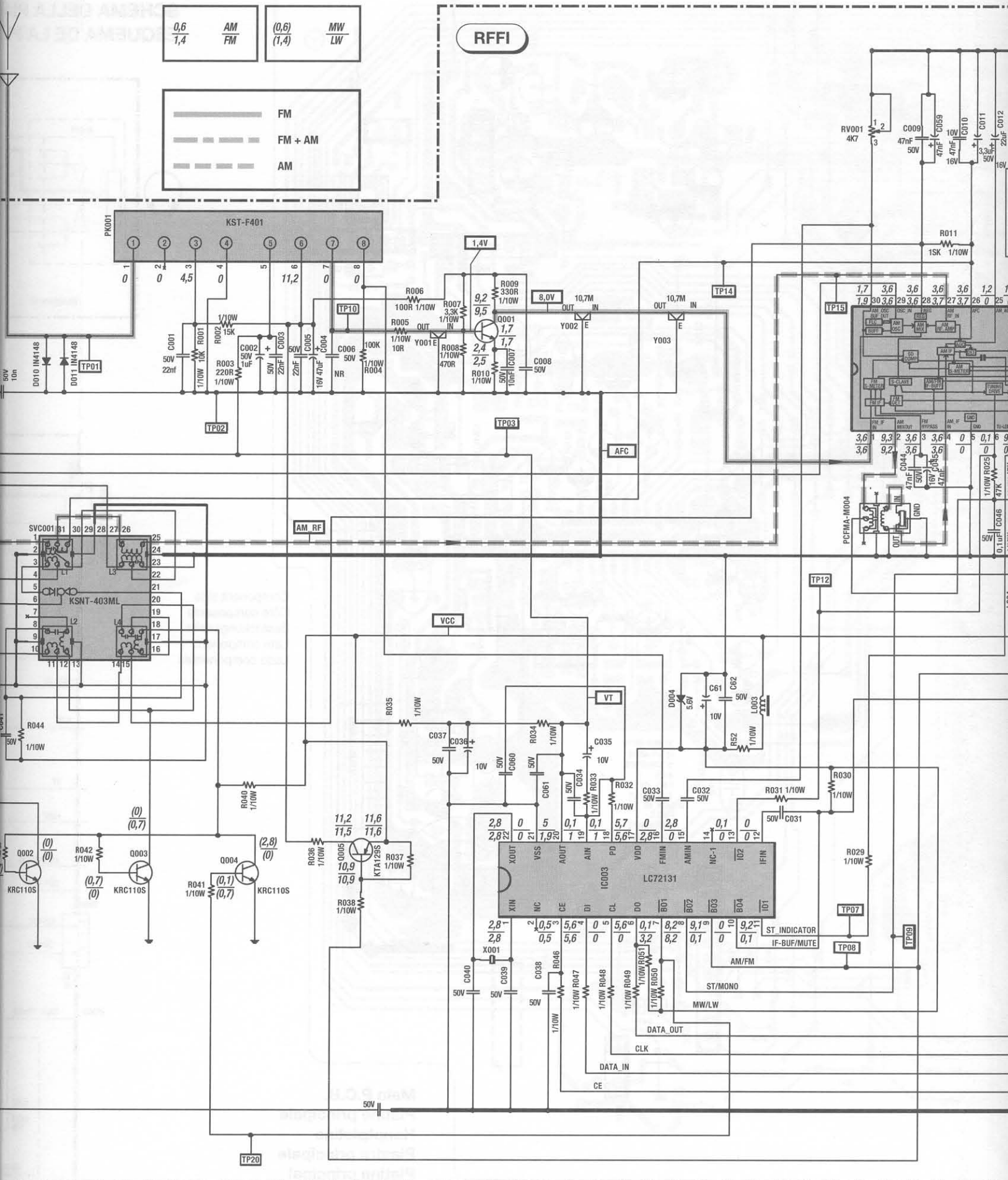
RF / FI SCHEMATIC DIAGRAM - SCHEMA HF / F

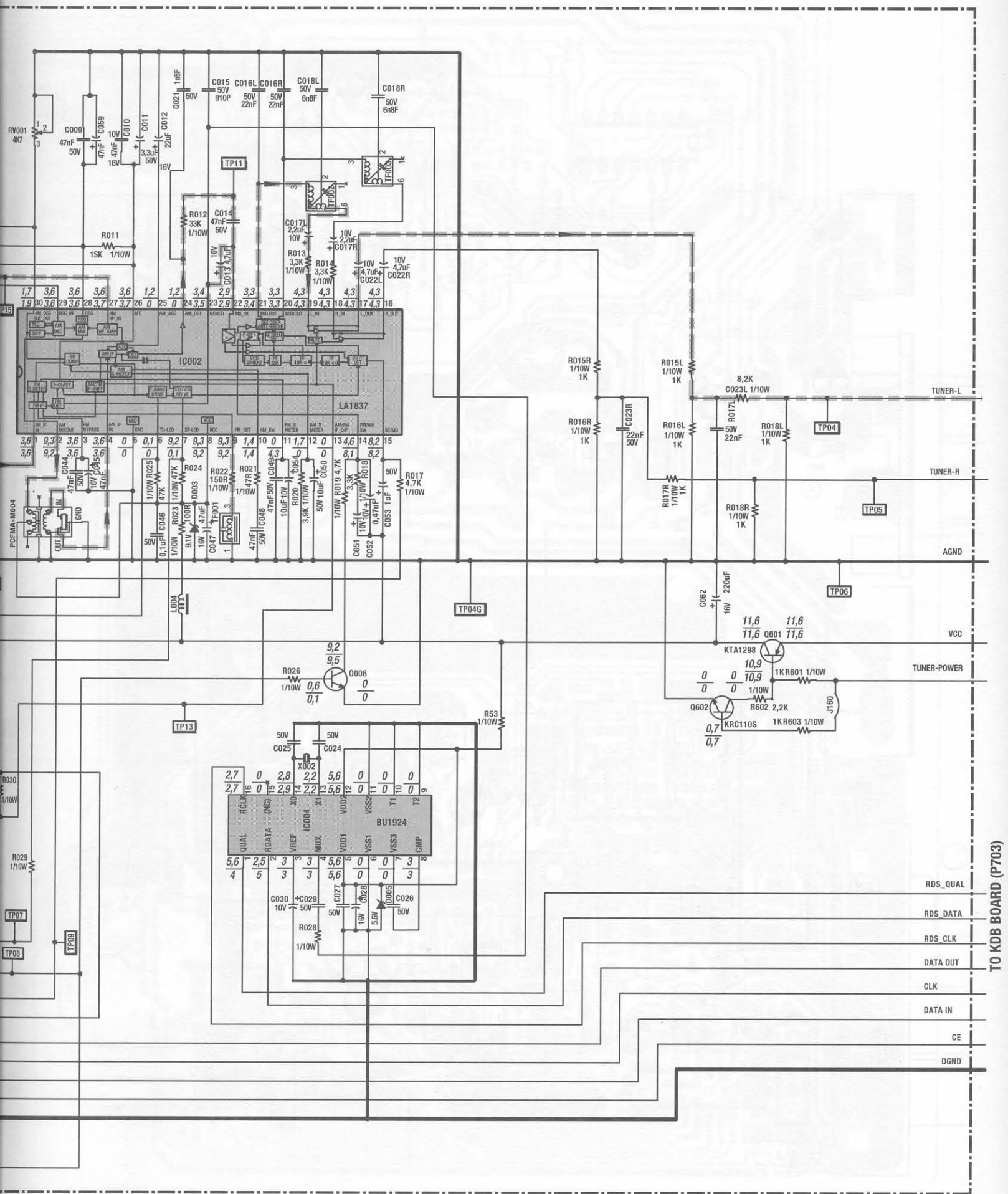


0,6	AM	(0,6)	MW
1,4	FM	(1,4)	LW




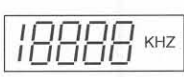





















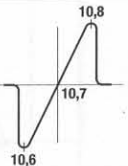
RFFI


























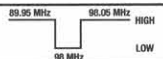
ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

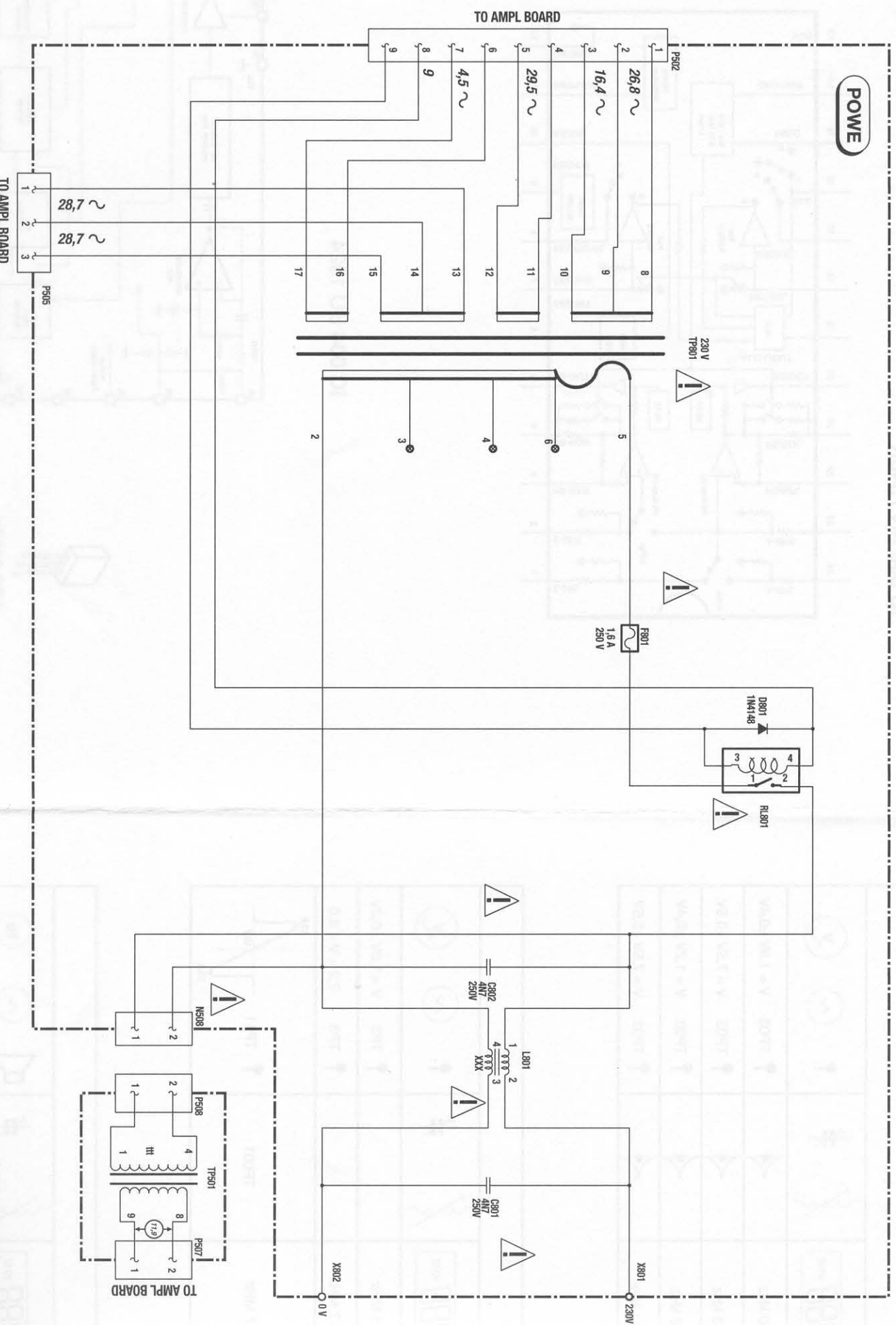
AM alignment										
				f						
Osc	1		LW	150 kHz	150 kHz			TP03	V = 1,8V ±0,4V	
	2		LW	283 kHz	283 kHz			TP03	V = 7,5V ±0,5V	
	3		MW	522 kHz	522 kHz			TP03	V = 1,2V ±0,4V	
	4		MW	1611 kHz	1611 kHz			TP03	V = 7,5V ±0,5V	

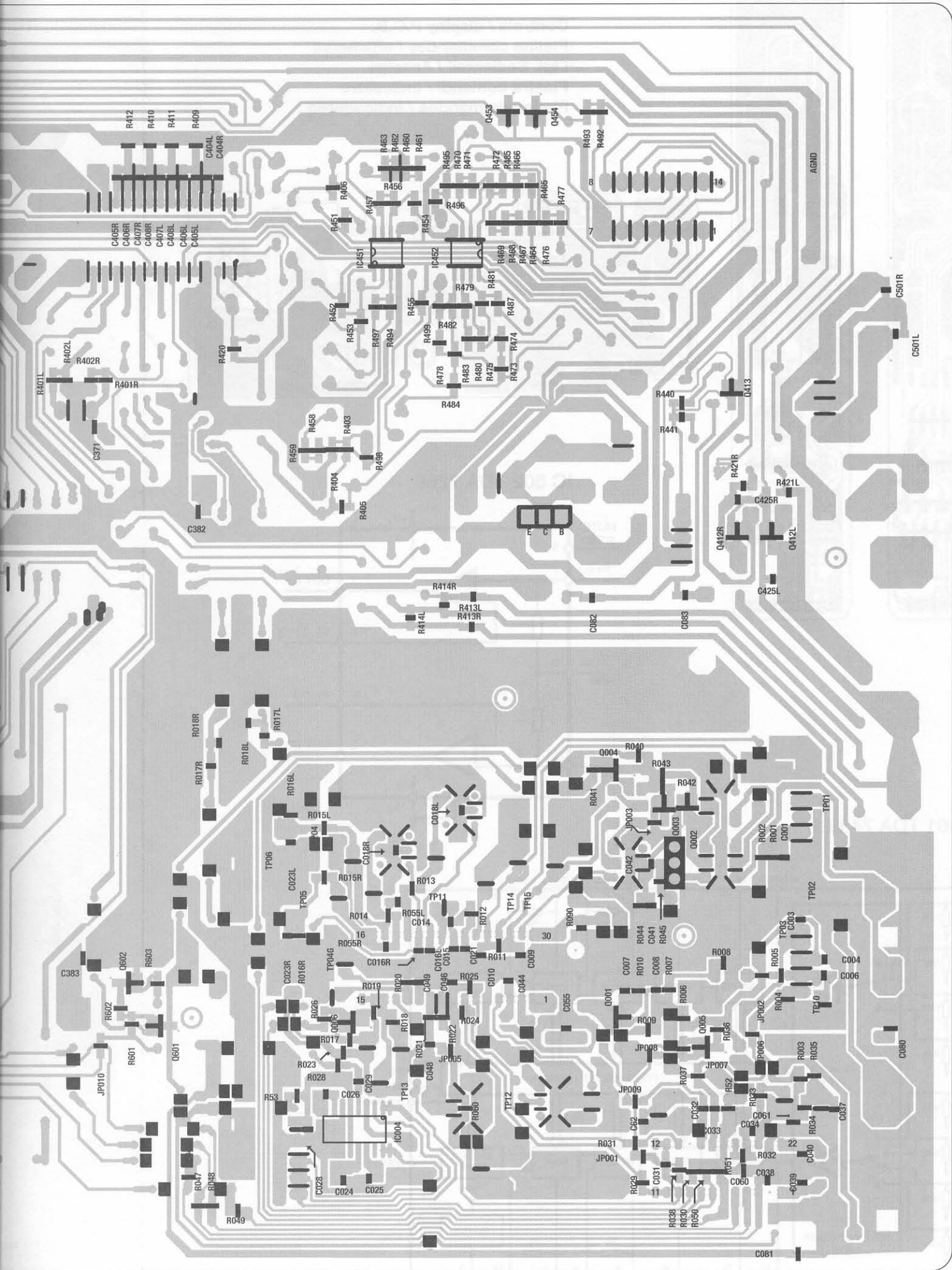
FM alignment										
				f						
VT	1			87,5 MHz	87,5 MHz			TP3	V = 1,3V ±0,2V	
	2			108,7 MHz	108,7 MHz			TP3	7,2 < V < 9,0	
IF	3			10,7 MHz	10,7 MHz		TF001	TP11		

Ve = 10 mV

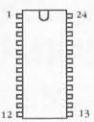
Decoder										
				f						
	1		Lch	98 MHz	98 MHz		TF003			Rch min
	2		Rch 25dBu	98 MHz	98 MHz		TF002			Lch min

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

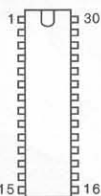




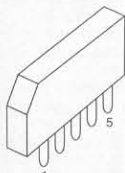
Main P.C.B.
 Platine principale
 Hauptplatine
 Piastra principale
 Platina principal



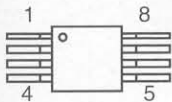
AN 7348K



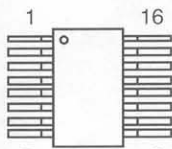
TDA 7439



BA 7755A

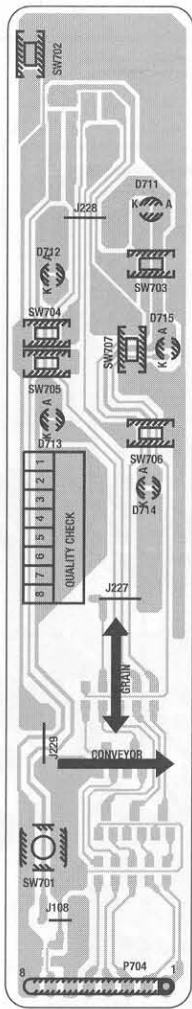
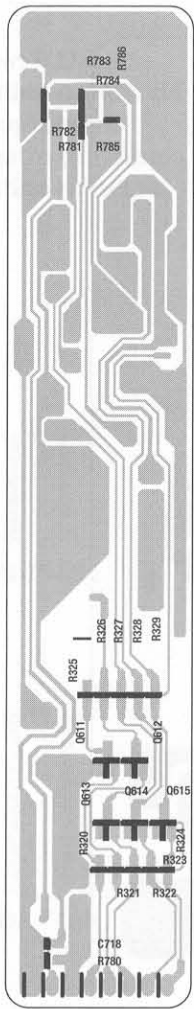


BA 4558F

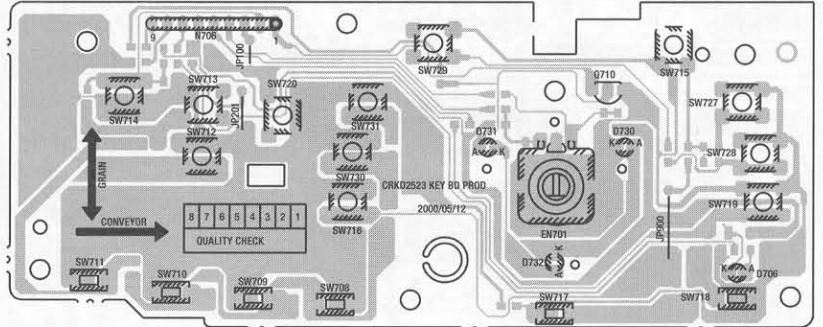


BU 1924F

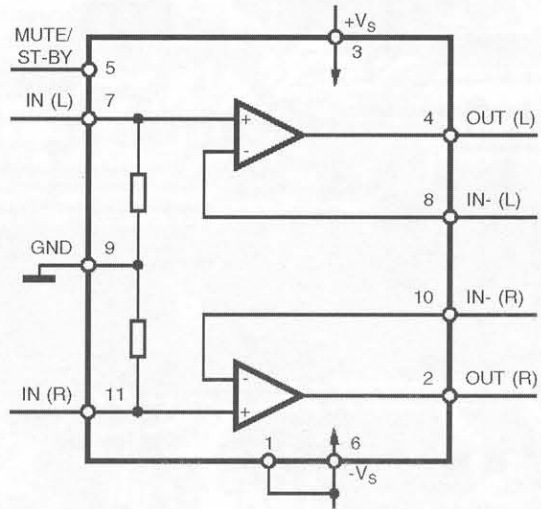
Solder side
 Côté cuivre
 Lötseite
 Lato saldature
 Lado del cobre



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



IC 502 TDA 7269



IC 301 TDA 7439

