THOMSON

AUDIO

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

CS600 / CS600B
CS700 / CS700B / CS700U

Version (PC*): A / B

*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 indicado 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 - Caracteristicas del aparato

Type of set: **Type d'appareil:** **Geräteart:** **Tipo d'apparecchio:** **Tipo de aparato:**	Two-in-one horizontale combination/DAD Ensemble compact stéréophonique DAD-2er Horizontal Kompaktanlage Compatto Hifi/CD Equipo compacto estereofónico/DAD		250mm ↕ 280 mm ↗ 310 mm 8kg
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 70W (rms) 2 x 150W (music)
FM - MF: **MW - PO:** **LW - GO:**	87.5 - 108 MHz 522 - 1611 kHz 150 - 283 kHz	**Sensitivity:** **Sensibilité:** **FM - MF:** **Empfindlichkeit:** **MW - PO:** **Sensibilità:** **LW - GO:** **Sensibilidad:**	48µV (S/N = 50 dB) 1000µV/m (S/N = 20 dB) 2500µV/m (S/N = 20 dB)
DAD **Disc rotation speed:** **Vitesse de rotation du disque:** **CD-Drehgeschwindigkeit:** **Velocità di rotazione del disco:** **Velocidad de rotación del disco:**	200 ➡ 500 tr/mn	**Frequency response:** **Courbe de réponse:** **Frequenzgang:** **Curva di risposta:** **Curva de respuesta:**	60 Hz - 16 kHz (-3 dB)
Stereo separation : **Diaphonie :** **Übersprechdämpfung :** **Diafonia :** **Diafonía :**	40 dB	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** **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.***

0805 - CRKD2154 - CRKD2155

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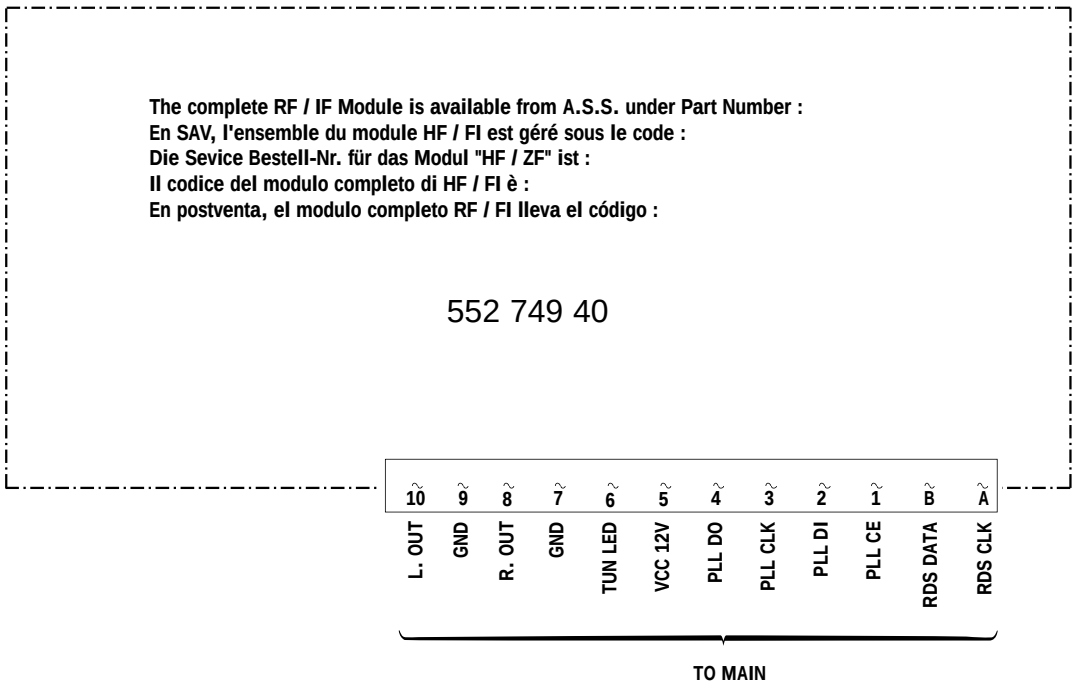
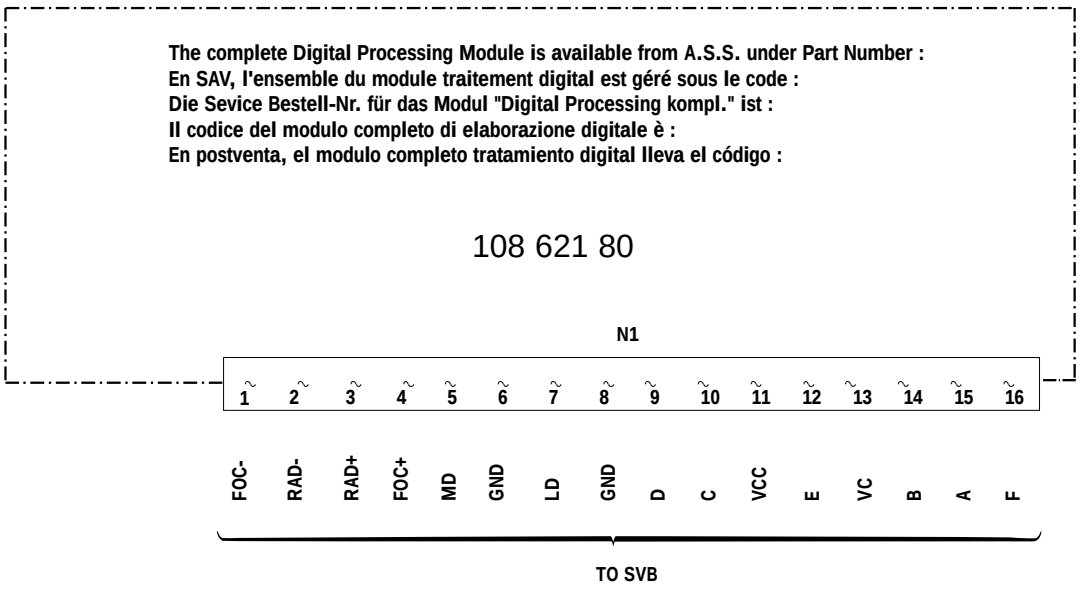
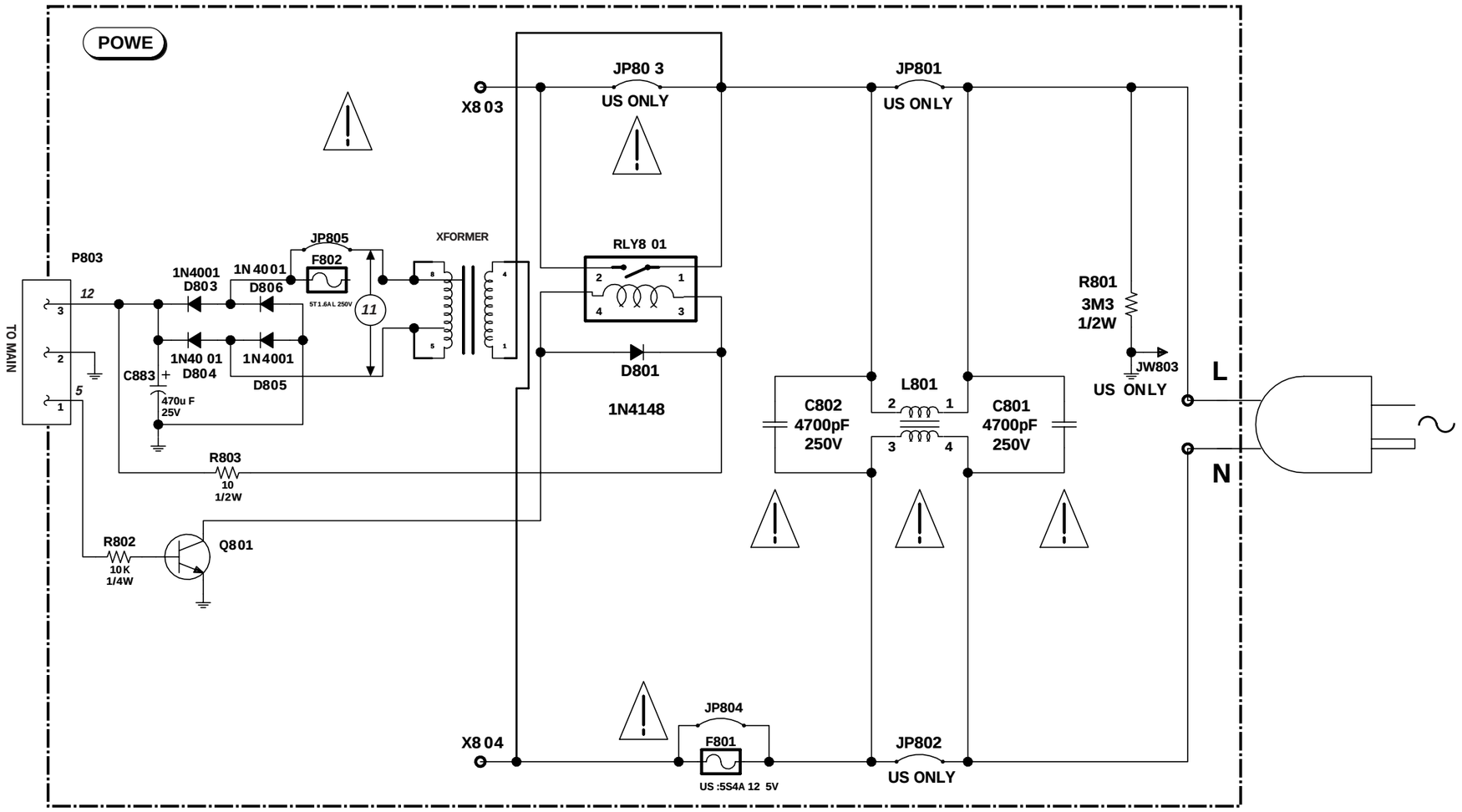
RF / IF SCHEMATIC DIAGRAM - SCHEMA HF / FI - SCHALTBILD HF / ZF SCHEMA HF / FI - ESQUEMA RF / FI



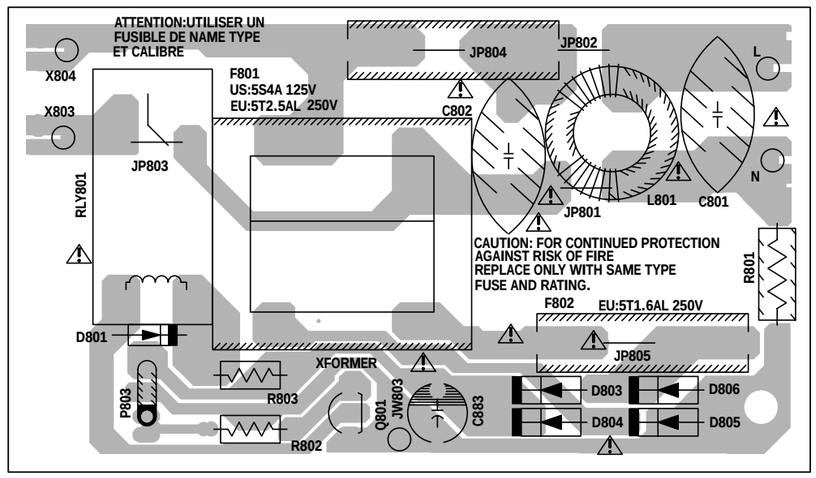
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE ESQUEMA DEL TRATAMIENTO DIGITAL



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



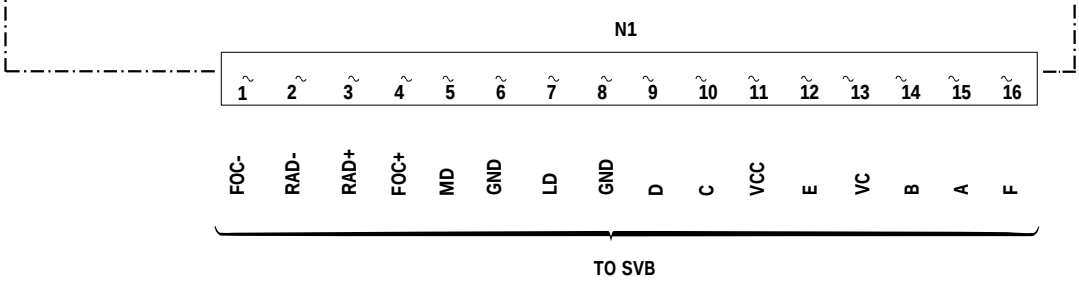
Power unit P.C.B.
Platine secteur
Ltpl. Netzanschluss
Piastra di rete
Platina de red



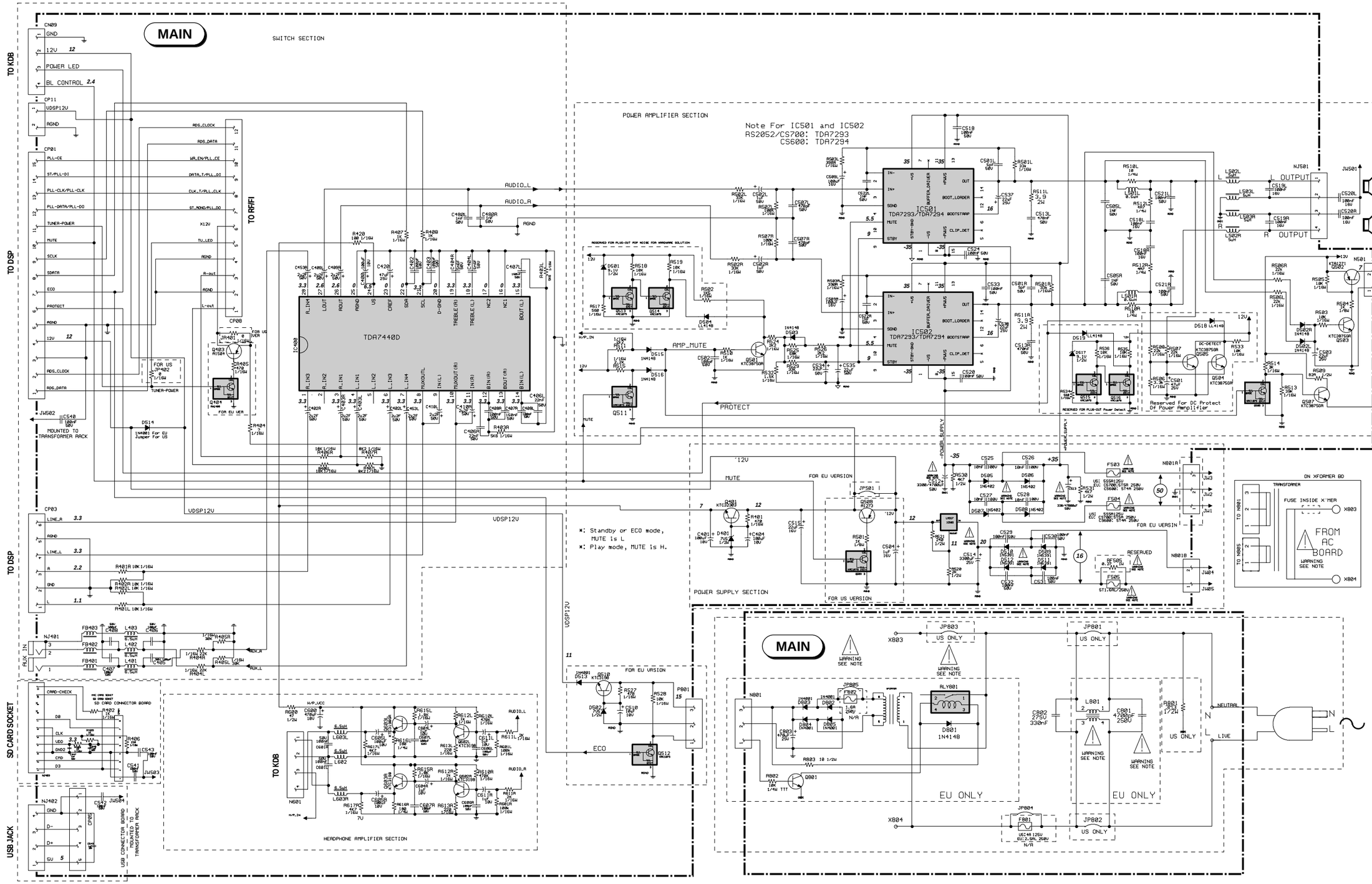
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE ESQUEMA DEL TRATAMIENTO DIGITAL

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 Sevice 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 :

108 621 80

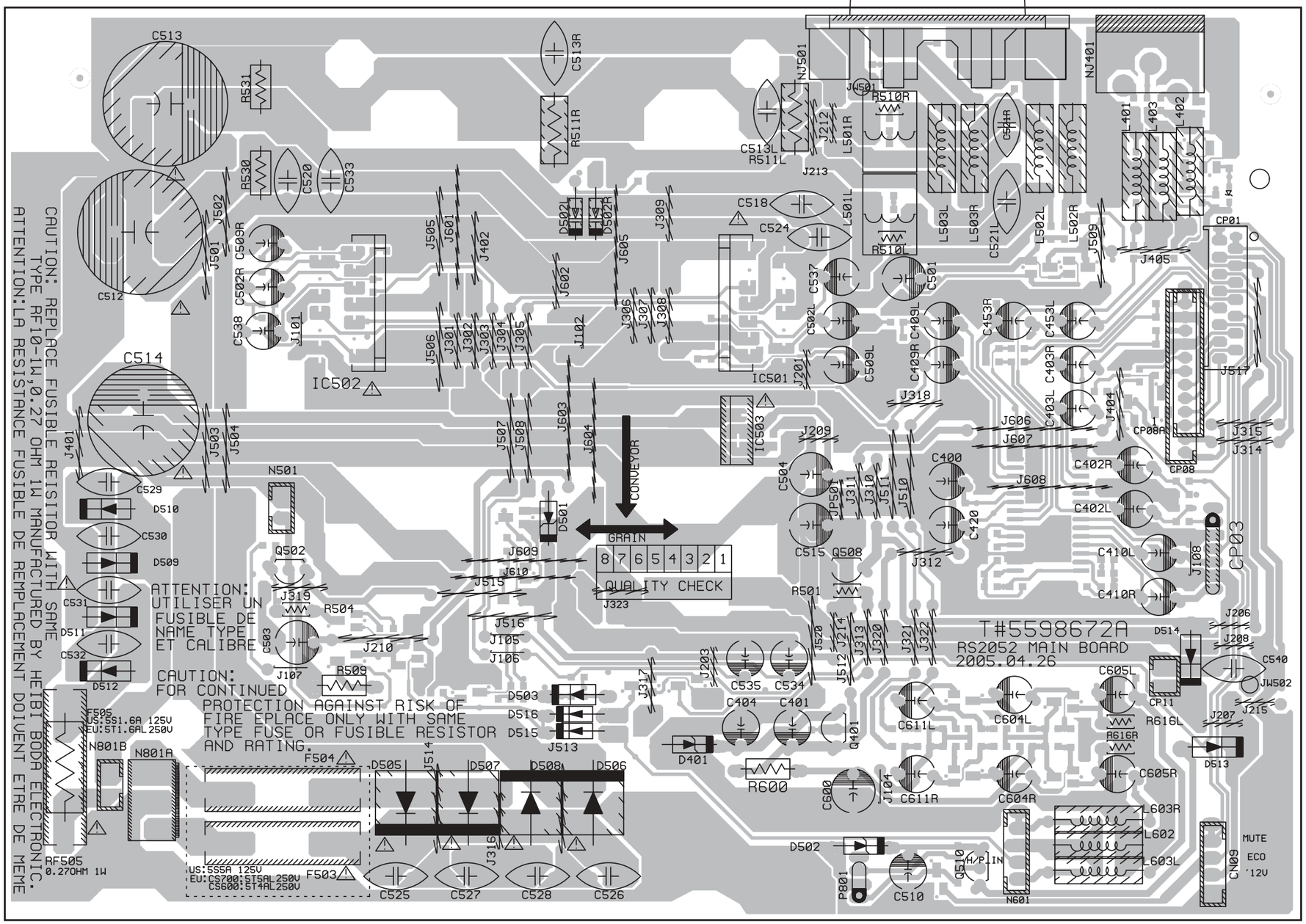


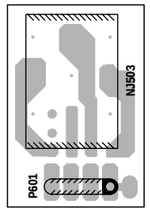
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL

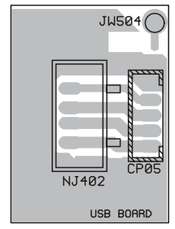


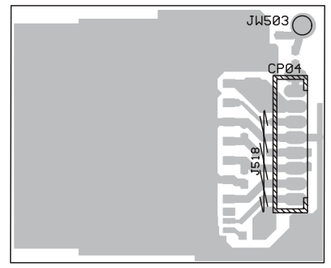
Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



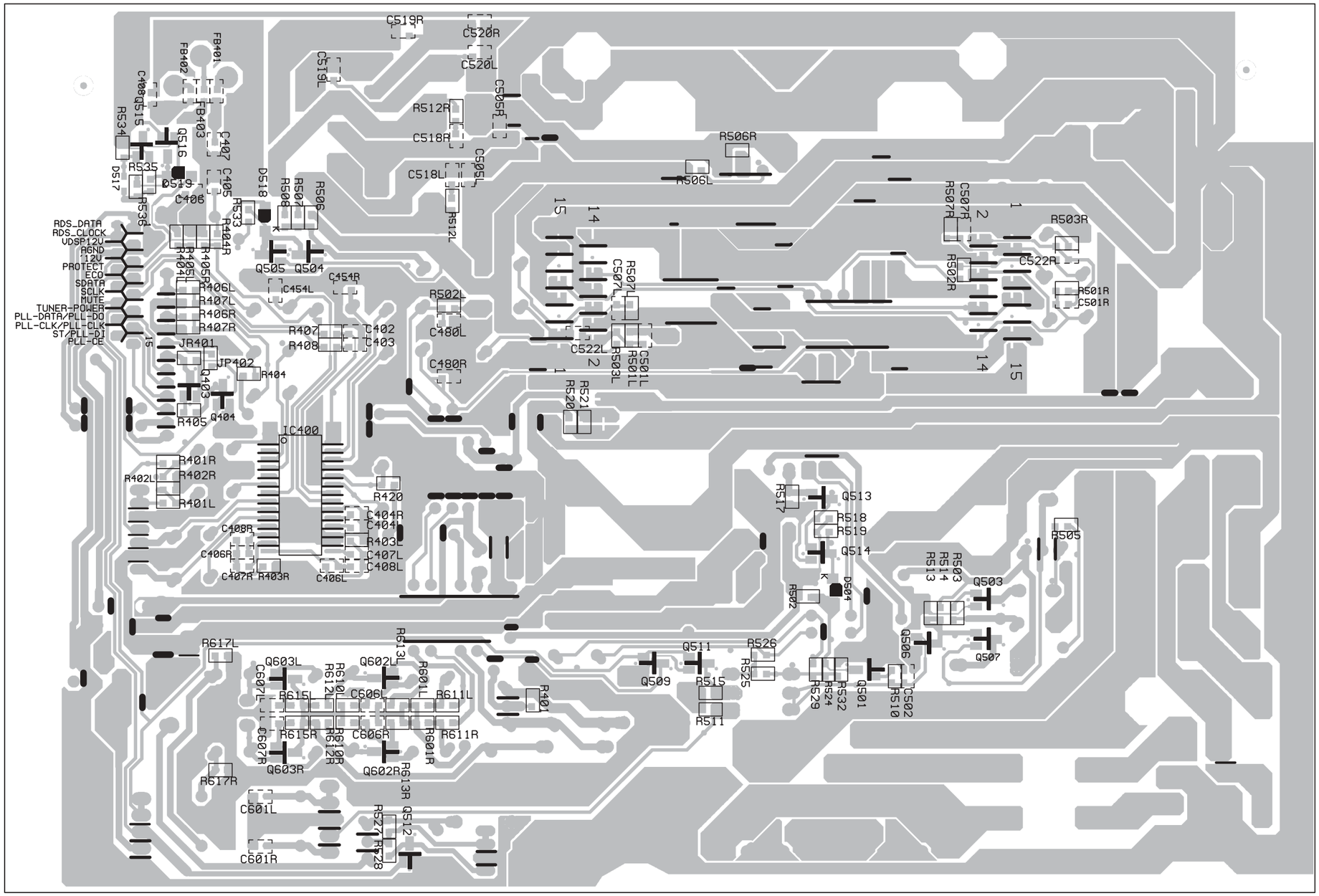


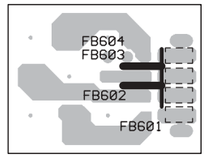


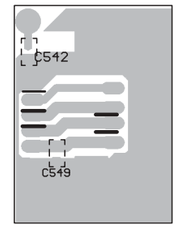


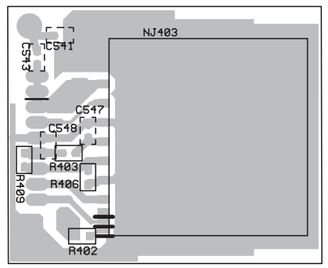
Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre

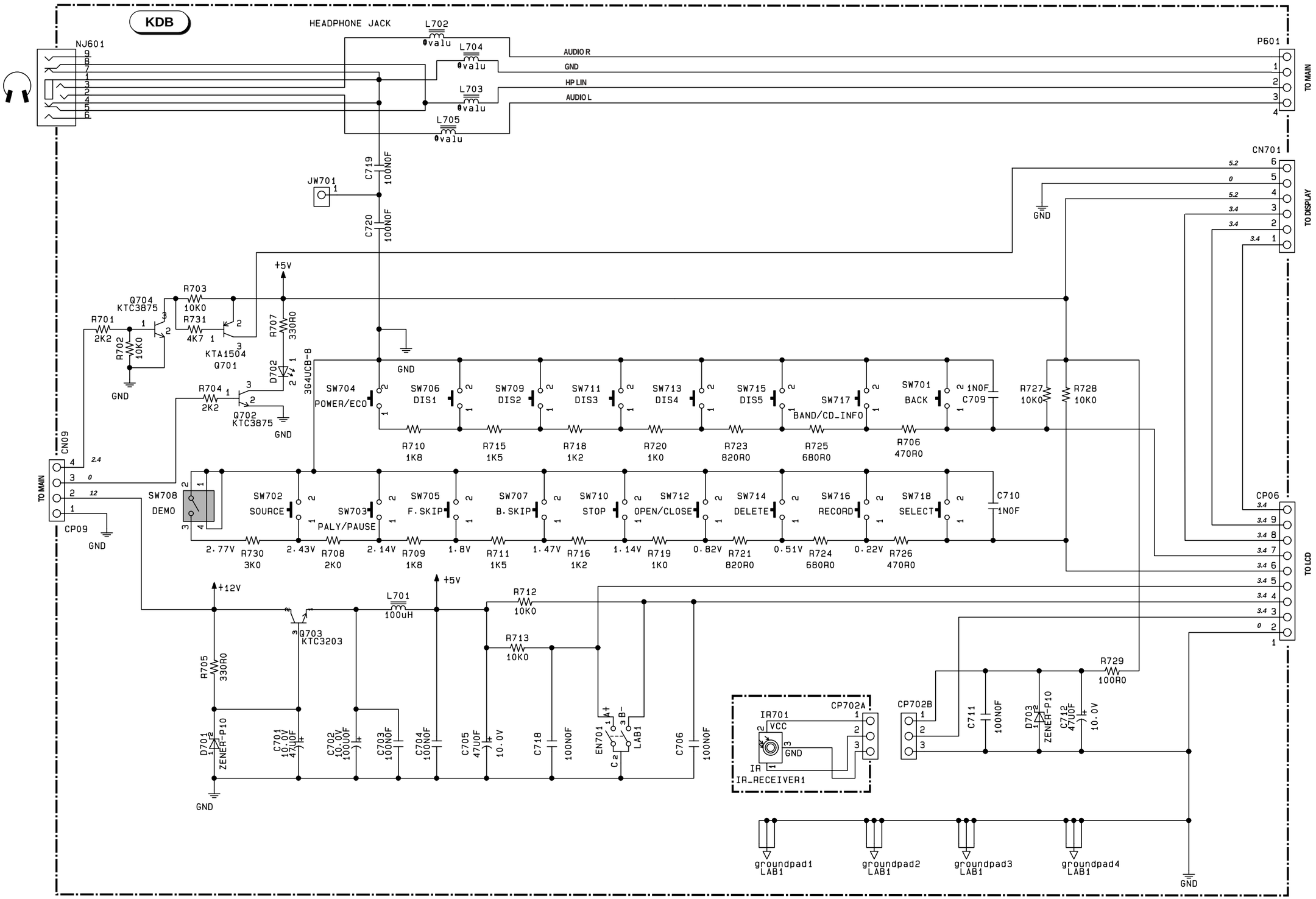




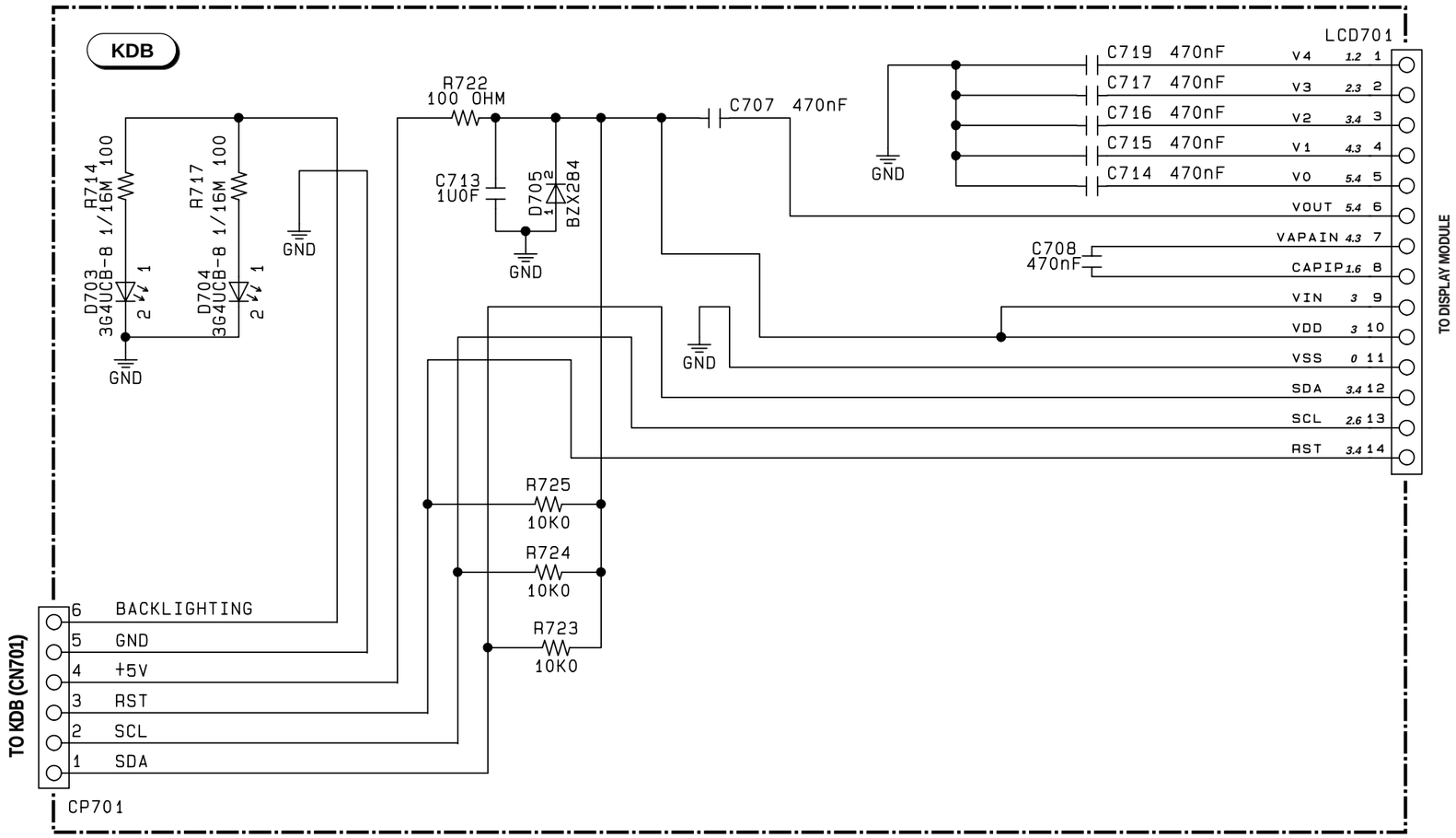




CONTROL SCHEMATIC DIAGRAM - SCHEMA COMMANDES - SCHALTBILD BEDIENTEIL - SCHEMA COMANDI - ESQUEMA MANDOS

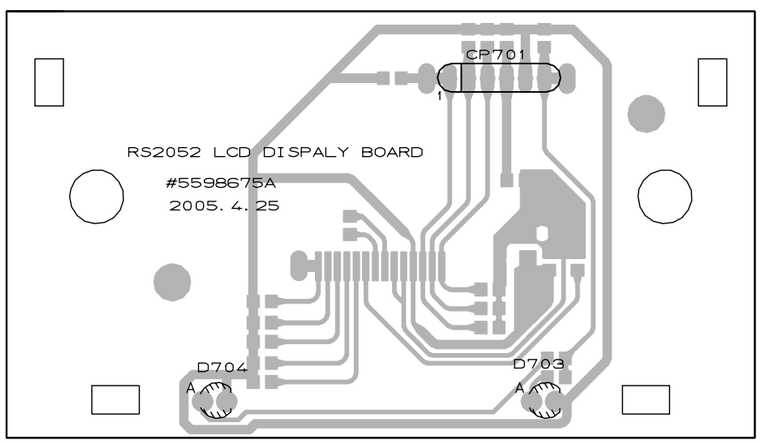


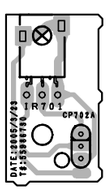
DISPLAY SCHEMATIC DIAGRAM - SCHEMA AFFICHEUR - SCHALTBILD ANZEIGE - SCHEMA INDICATORE - ESQUEMA INDICADOR

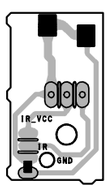


Display P.C.B.
Platine afficheur
Ltpl. Anzeige
Piastra indicatore
Platina indicador

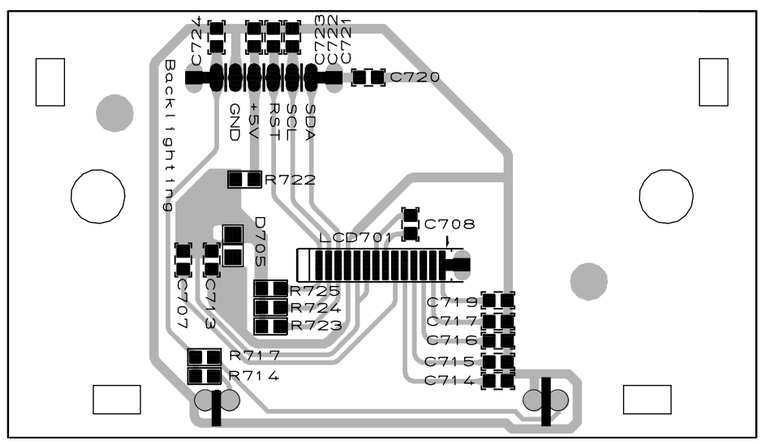
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes







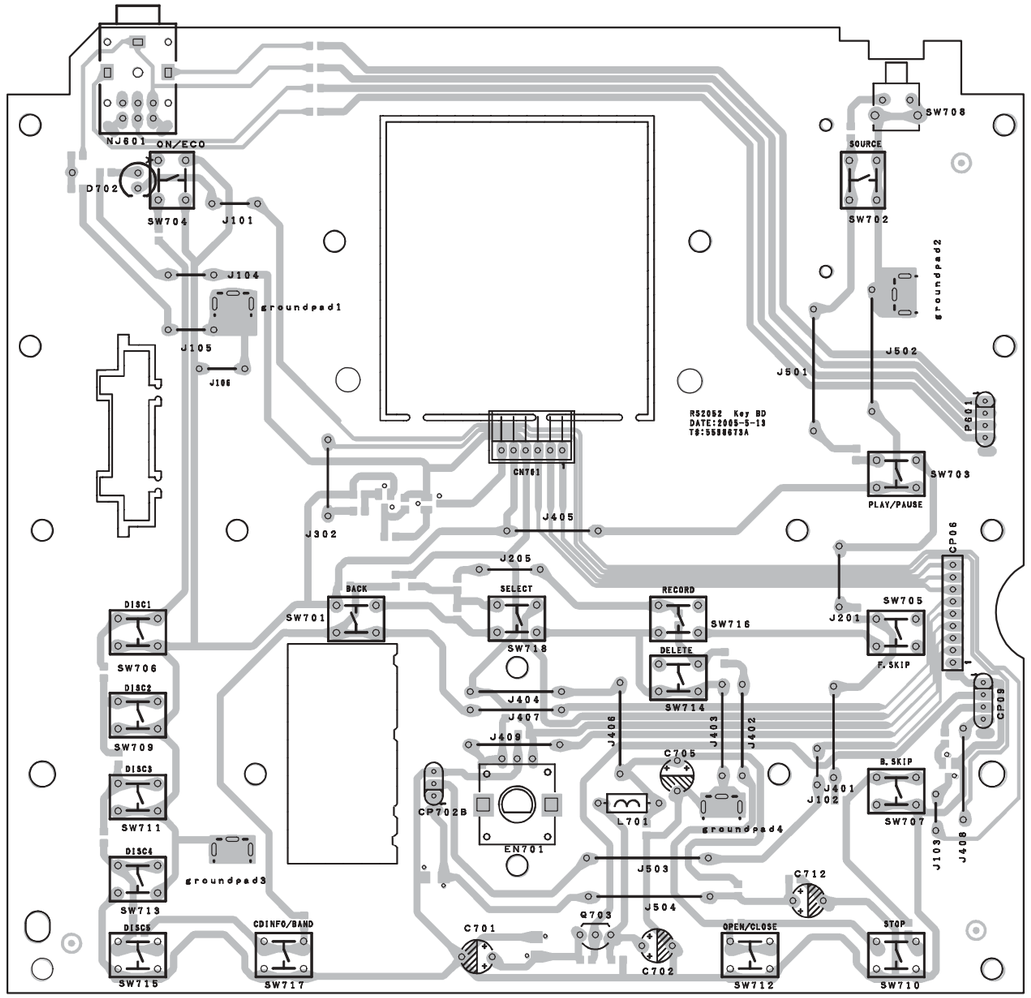
Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre

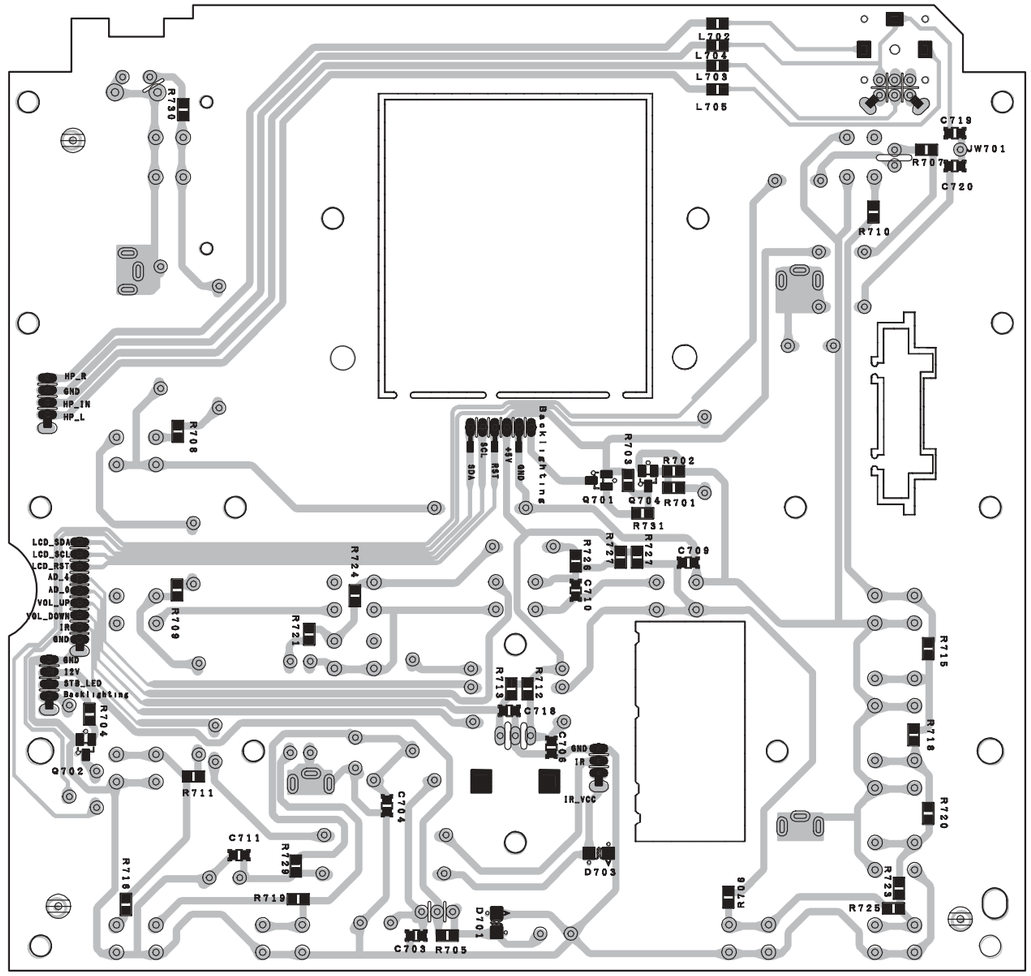


Control P.C.B.
Platine commandes
Ltpl. Bedienteil
Piastra comandi
Platina de mandos

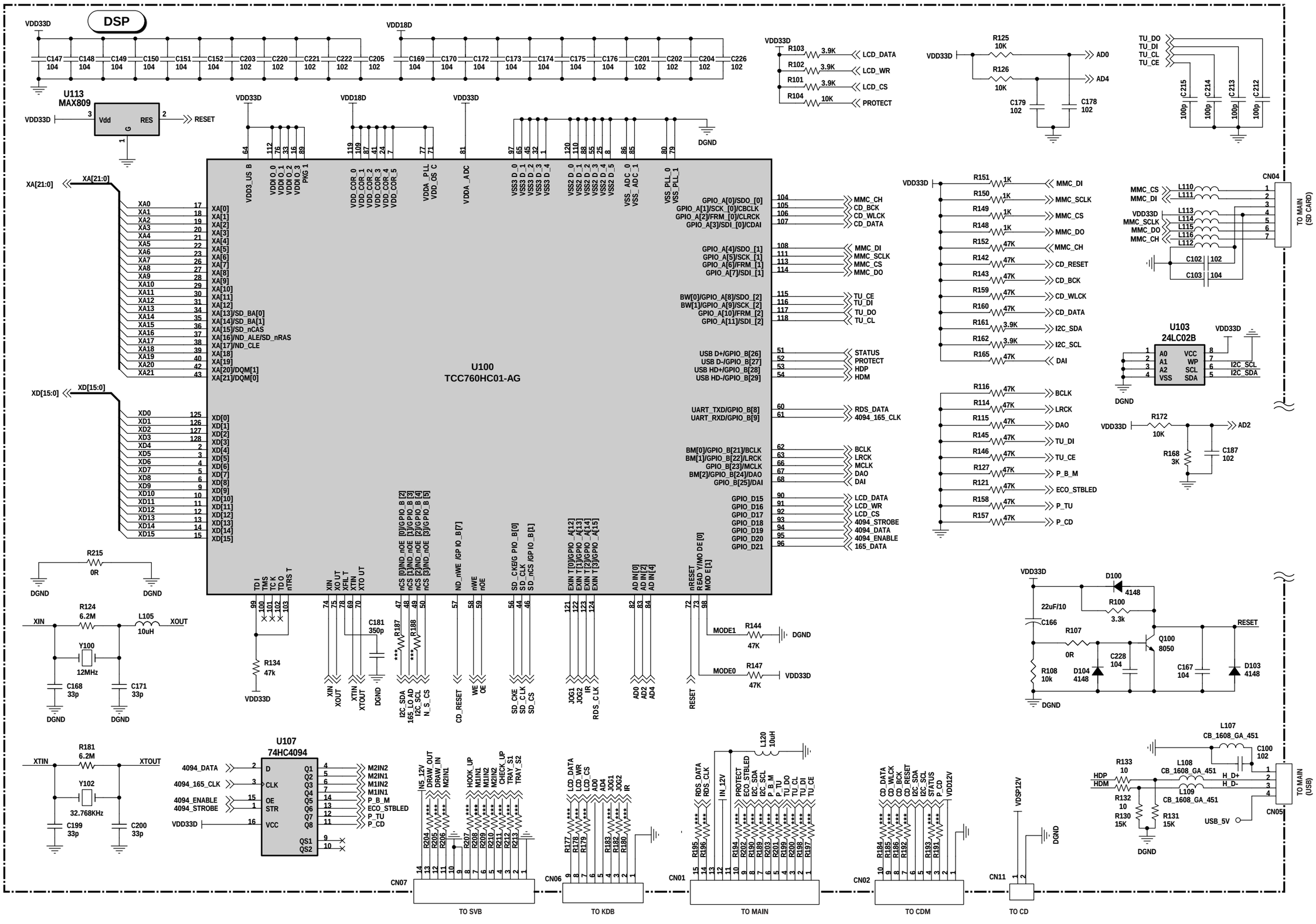
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

Solder side
Côté soudure
Lötseite
Lato saldature
Lado del cobre



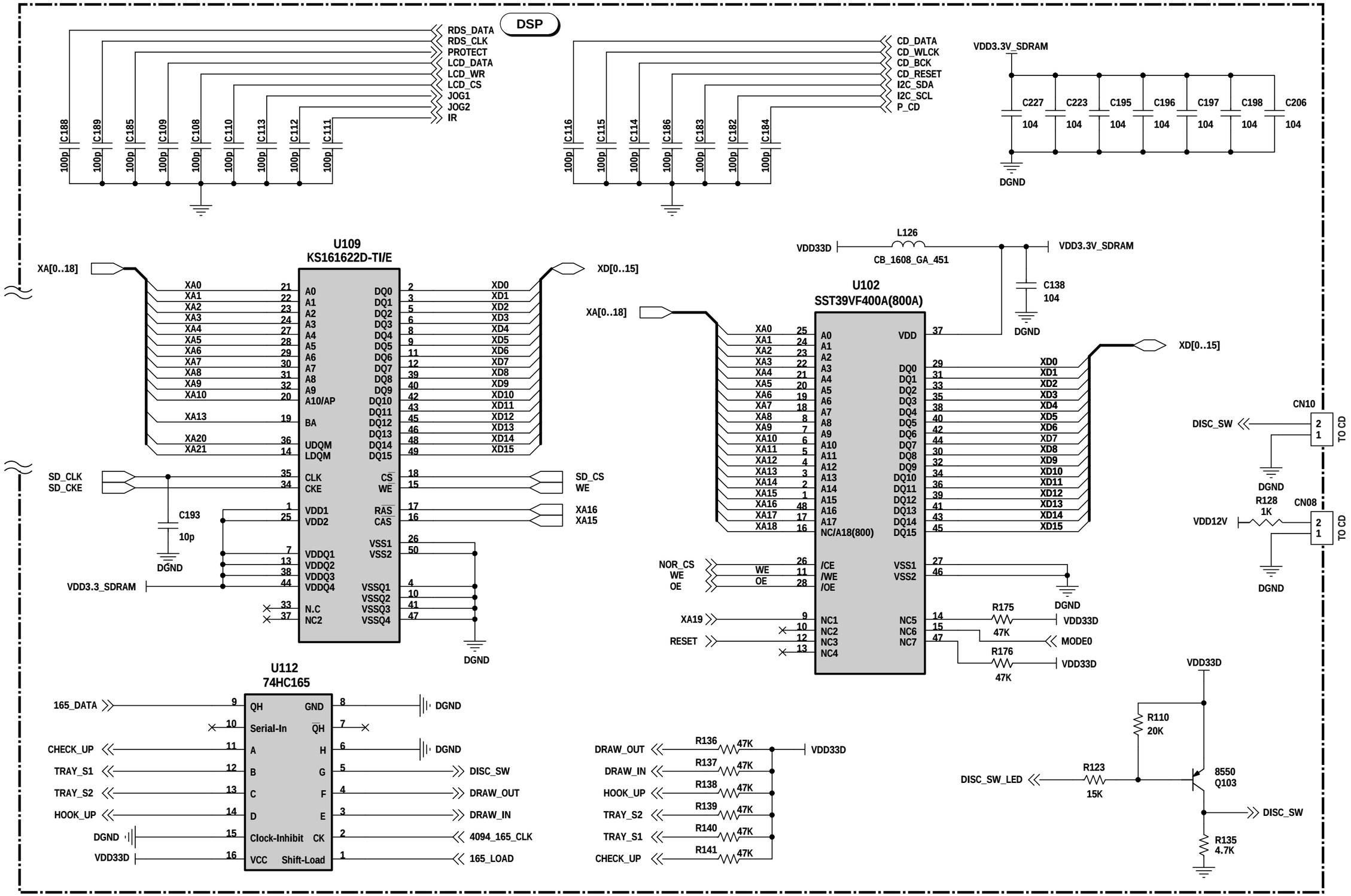


DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE ESQUEMA DEL TRATAMIENTO DIGITAL (1/3)

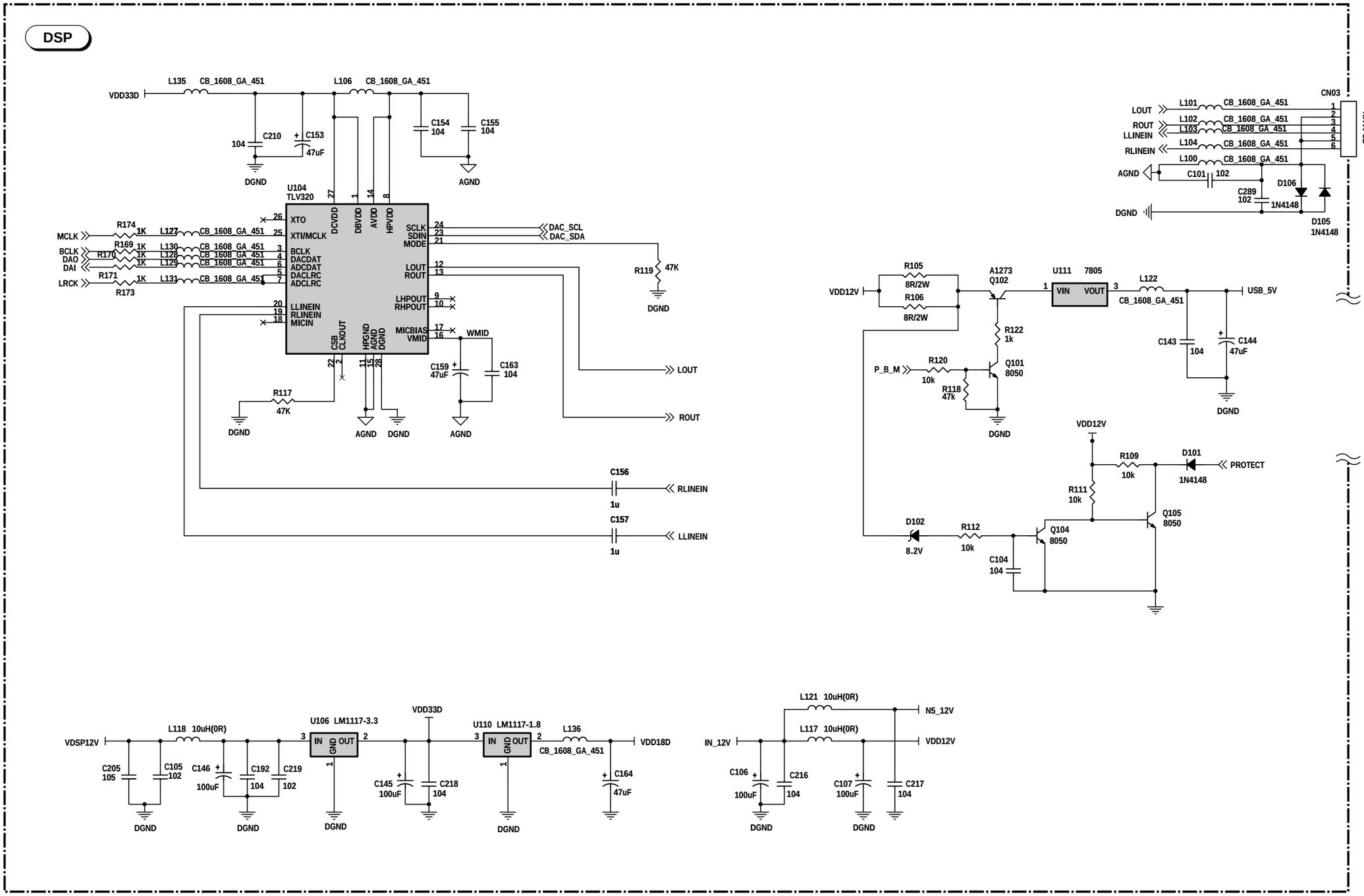


CRKD2154 / CRKD2155
First issue 08/05

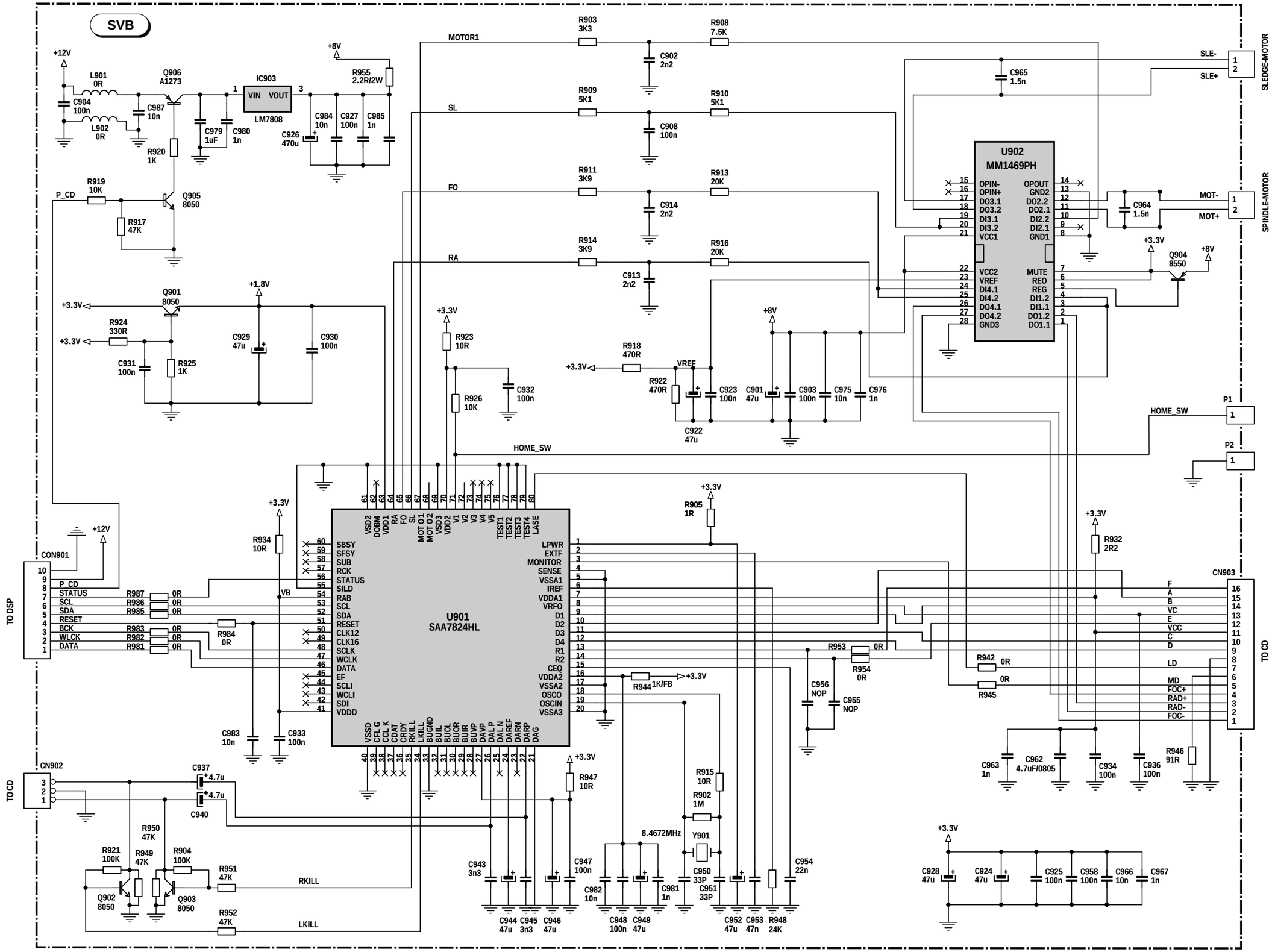
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE ESQUEMA DEL TRATAMIENTO DIGITAL (2/3)



DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE ESQUEMA DEL TRATAMIENTO DIGITAL (3/3)

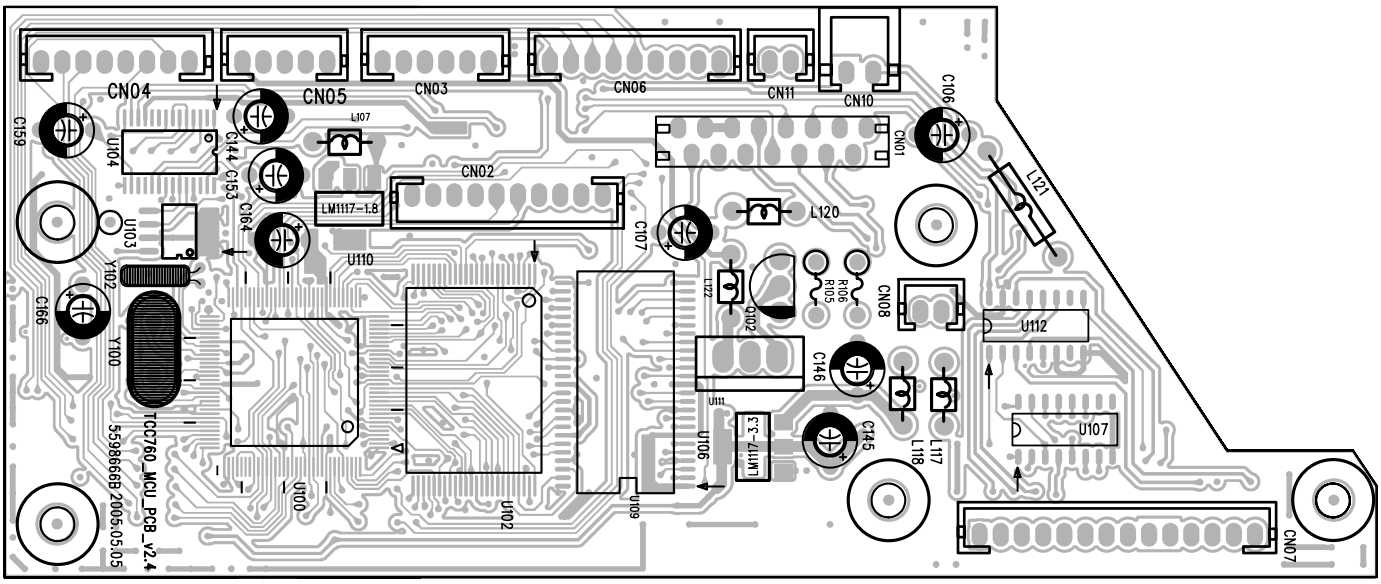


MICROCONTROLLER SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE MICROCONTROLEUR - MICROCONTROLLER SCHALTBILD SCHEMA DELLA PIASTRA MICROPROCESSORE ESQUEMA DE LA PLATINA MICROCONTROLADOR

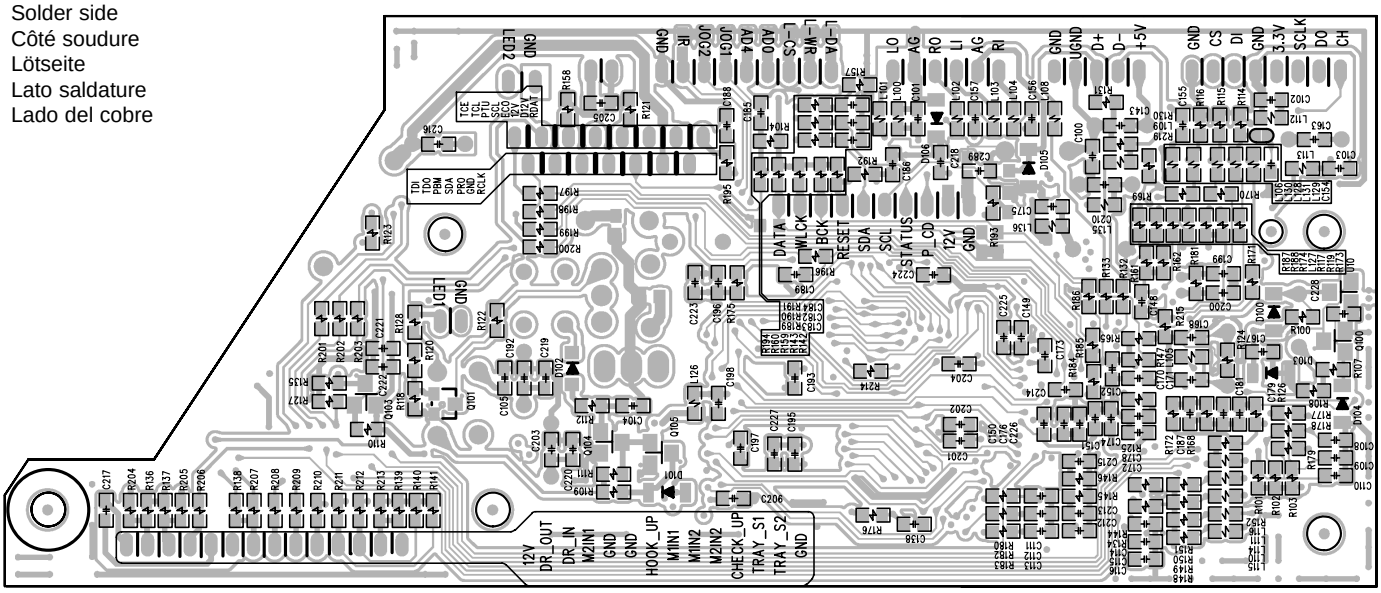


Digital processing P.C.B.
Platine traitement digital
Ltpl. Digitalverarbeitung
Piastra elaborazione digitale
Platina tratamiento digital

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

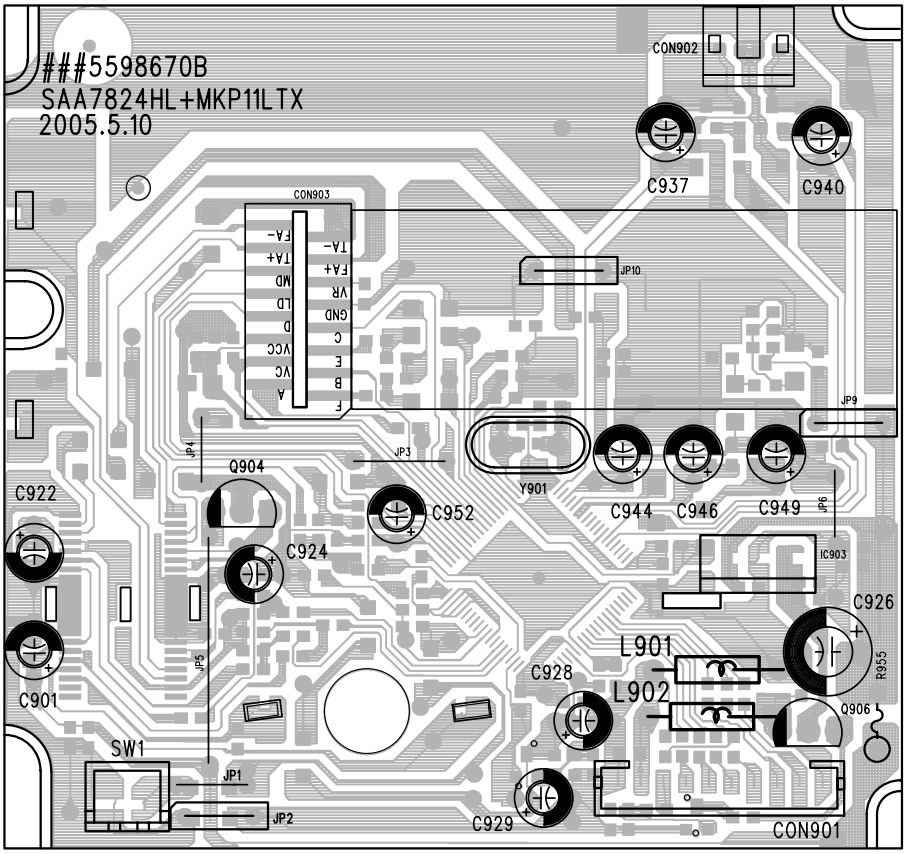


Solder side
Côté soudure
Lötseite
Lato saldatura
Lado del cobre

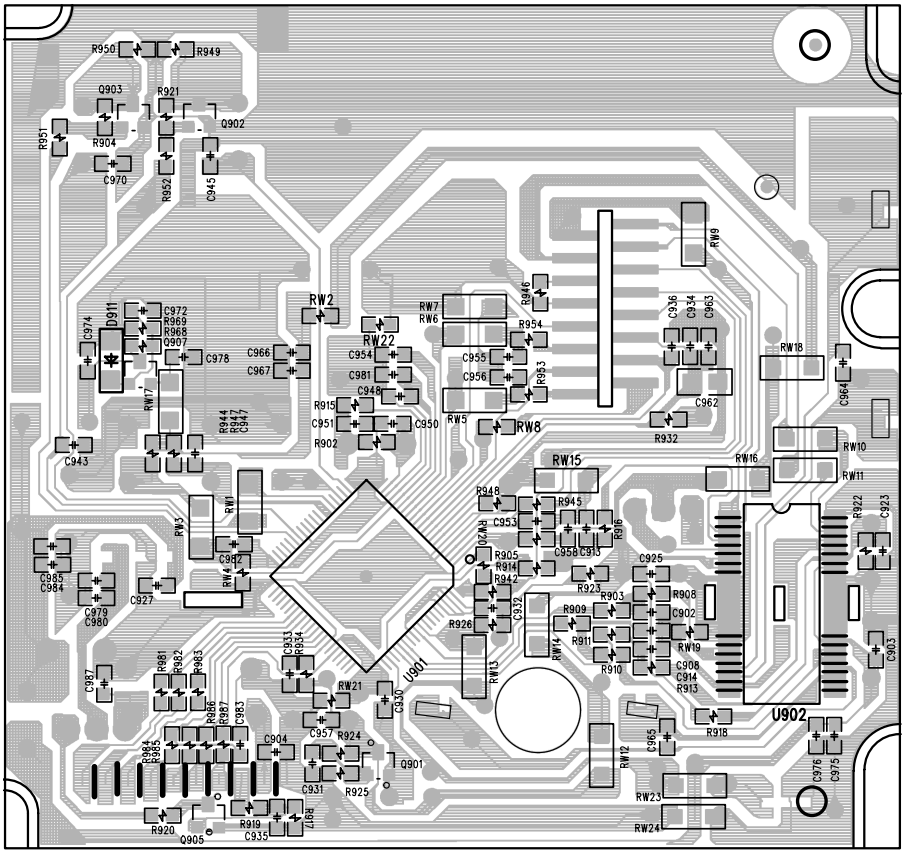


Microcontroller P.C.B.
Platine Microcontroleur
Ltpl Microcontroller
Piastra Microprocessore
Platina Microcontrolador

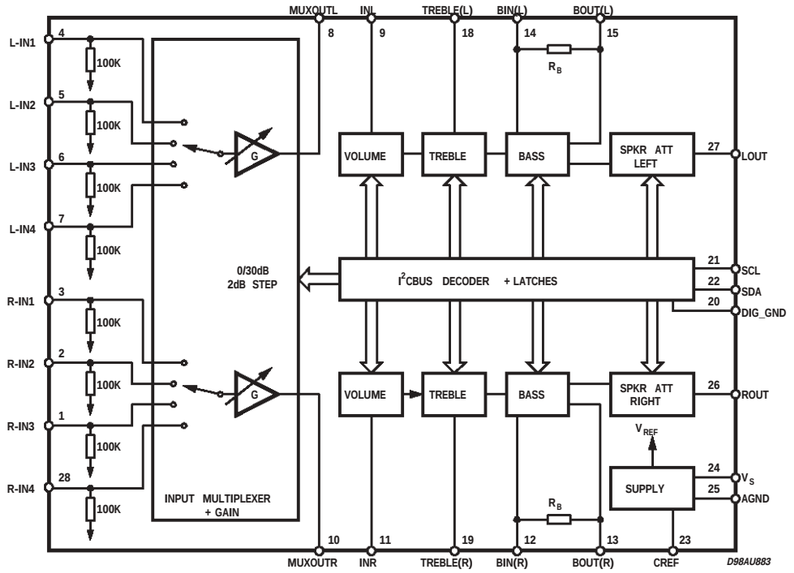
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes



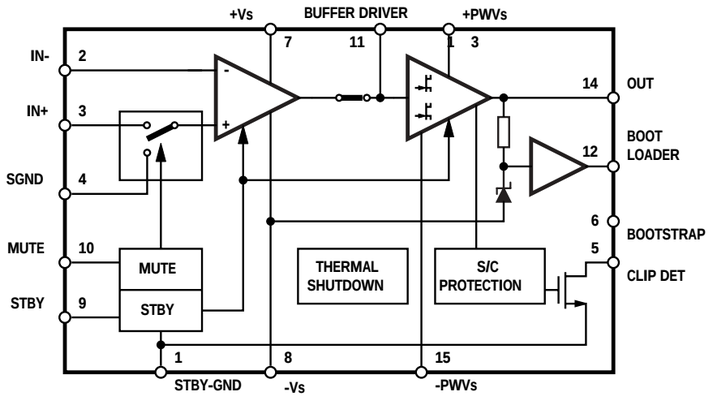
Solder side
Côté soudure
Lötseite
Lato saldatura
Lado del cobre



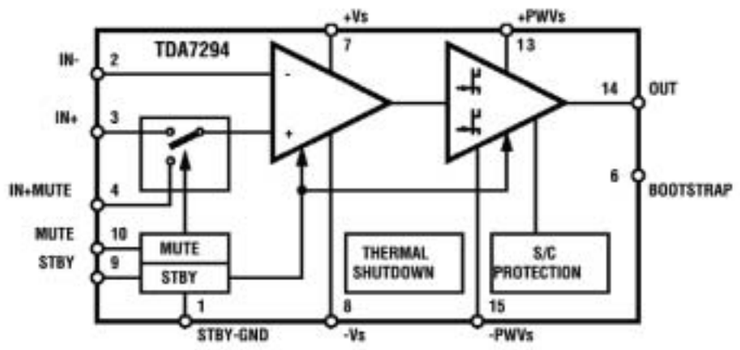
IC400 TDA7440



IC 501 / IC502 TDA7293



IC501 / IC502 TDA7294 - TDA7296



CRKD2005
First issue 08/05

Abbreviations - Abreviations - Abkürzungen - Abbreviazioni - Abreviaciones

AC	Alternating Current
ACC	Automatic Colour Control
AGC	Automatic Gain Control
A_IF	Audio IF
ALC	Automatic Level Control
AMP	Amplifier
APC	Automatic Phase Control
AV	Audio-Video
BPF	Band Pass Filter
CH	Channel
CLK	Clock
COMP	Comparator
CONV	Converter
CSYNC	Composite Synch
CTL	Control
DC	Direct Current
DET	Detector
DIG	Digital
ENV	Envelope
EQ	Equalizer
FG	Frequency Generator
GND	Ground
GCA	Gain Controlled Amplifier
HPF	High Pass Filter
I.R	Infra Red
ID	Identification
INP/IN	Input
KDB	Key Display Board
LIM	Limitter
LPF	Low Pass Filter
PCB	Printed Circuit Board
PG	Pulse Generator
PLL	Phase Locked Loop
PWM	Pulse Width Modulation
SCL	Serial Clock
SDA	Serial Data
SMPS	Switch Mode Power Supply
SW	Switch
VCA	Voltage Controlled Amplifier
VCO	Voltage Controlled Oscillator
VD	Supply Voltage Digital
VE	Voltage (Ever)
VS	Voltage (Switched)

This technical documentation is for use by maintenance technicians only
Documentation technique exclusivement destinée aux professionnels de la maintenance
Diese Angaben und Hinweise sind ausschließlich für den Service des Fachhändlers bestimmt
Documentazione tecnica destinata esclusivamente ai tecnici dell'assistenza
Documentación técnica destinada exclusivamente a los profesionales de mantenimiento

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