

## **téléviseur format 4/3 nicam**

Chassis ICCI7  
85 cm  
Tube MP  
Masque METAL  
Procédé Black Matrix  
Navilight  
Son stéréo  
NICAM 2 x 20W  
Télétexte intégré  
Standard : PAL / SECAM  
NTSC par péritélévision  
Normes : PanEuro-LL'BGIDKK'



image

son

particularités

connectique /  
généralités



### **image**

Tube 85 cm MP au format 4/3  
Masque METAL  
Procédé Black Matrix pour un meilleur contraste S-VHS  
Fonction zoom : permet d'adapter les émissions 4/3 au format 16/9 ème  
Diagonale verrerie 85 cm  
Diagonale image 80 cm  
Standard : PAL / SECAM / NTSC par Vidéo  
Normes : PanEuro-LL'BGIDKK'  
Videotext / Fastext / Toptext : 6 pages



### **son**

Son stéréo NICAM L/BG(DKK')/I  
Puissance : 2 x 20 W musicaux  
2 haut-parleurs medium  
Effet spacial / pseudo  
Limitation du volume sonore en mode hotel  
Menu multi langues (14)



### **particularités**

Mise en veille automatique en l'absence d'émission au bout de 5 mn  
Verrouillage enfant  
Affichage du numéro de programme  
Système Navilight  
99 programmes mémorisables + 3 programmes AV  
Tuner à synthèse de fréquence  
Compatible réseaux câblés  
Hyperbande 8 MHz  
Télécommande MBI00



### **connectique / généralités**

1 prise antenne  
Façade ou côté : Prise casque (jack 3,5 mm)  
2 prises AUDIO entrée /  
1 prise CVBS entrée /  
1 prise S-VIDEO entrée  
Arrière : 2 PERITEL compatible S-VHS et HI-8  
Alimentation : 180 - 265 V; 50 Hz  
Consommation : 55 W/h - en veille 2 W/h  
Poids : 21 kg  
Dimensions (L x H x P) : 666 x 757 x 539 mm  
Pied en option : STTH3350

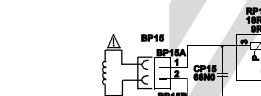


POWER SUPPLY - ALIMENTATION - NETZTEIL - ALIMENTAZIONE - ALIMENTACIÓN

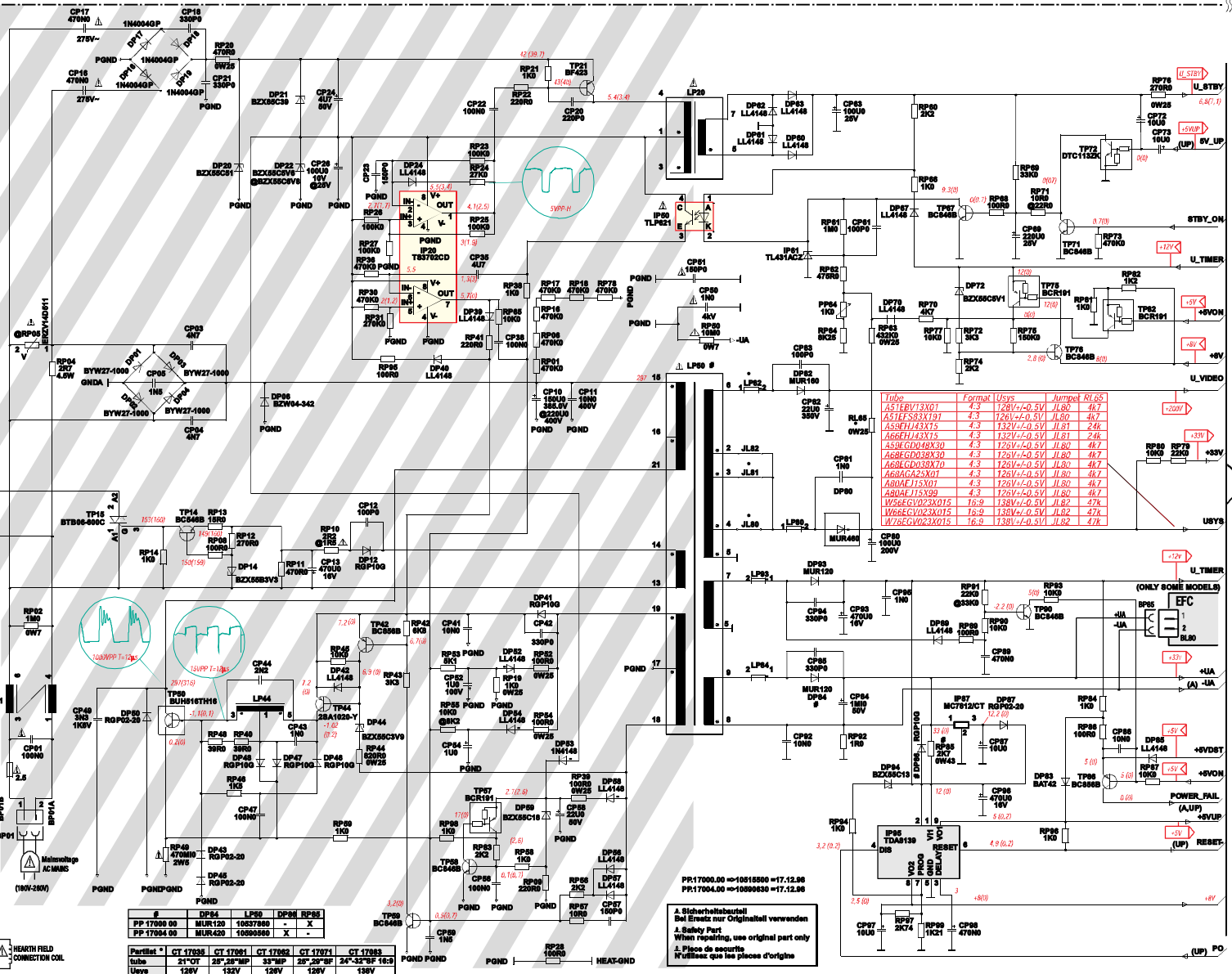
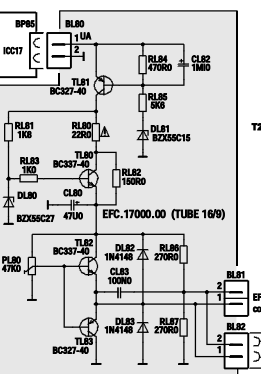
(5) : standby

Note :  
 During measurements in the power supply unit  
 - Use the primary power unit ground (PGND)  
 Attention :  
 Mesure dans le bloc alimentation  
 - Utiliser la masse du bloc alimentation (PGND)  
 Achtung :  
 Bei Messungen im Primärnetzteil  
 - Primärnetzteilmasse verwenden (PGND)  
 Attenzione :  
 - misure nell'alimentatore primario  
 - usare massa alimentazione primario (PGND)  
 Cuidado :  
 Medida en el bloque de alimentación  
 - Utilizar la masa del bloque de alimentación (PGND).

Part of board connected to mains supply.  
 Partie du châssis reliée au secteur.  
 Primärseite des Netzteils.  
 Parte dello chassis collegata alla rete.  
 Parte del chassis conectar a la red.



(MAIN)  
 (PP)  
 17000  
 17004  
 17900



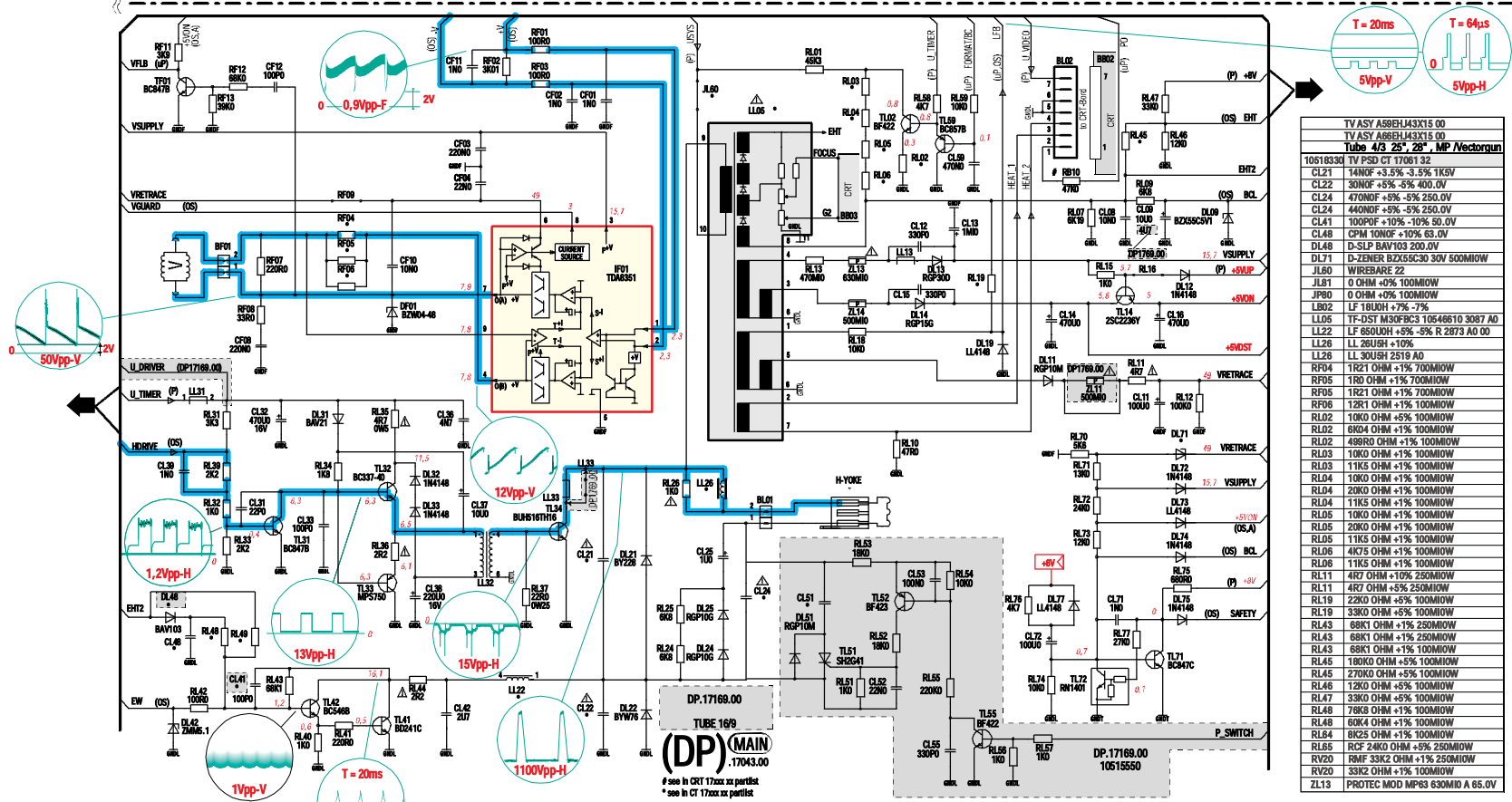
Partlist	CT 17000	CT 17001	CT 17003	CT 17071	CT 17900
Tube	24CT	28P/28MP	33MP	25P/25MP	24P/24MP 16.9
Usys	128V	128V	128V	128V	128V
JL80-82	JL80	JL81	JL80	JL80	JL82
RL85	4K7	24K	4K7	4K7	47K

Tube	Format	Usys	Jumpet	RL85
A51EBV13X01	4.3	128V±0.5V	JL80	4K7
A51FSS33X191	4.3	128V±0.5V	JL80	4K7
A53FH143X15	4.3	132V±0.5V	JL81	24K
A53FGD048X30	4.3	120V±0.5V	JL80	4K7
A68GD038X30	4.3	120V±0.5V	JL80	4K7
A68GD033X70	4.3	120V±0.5V	JL80	4K7
A68GA24X01	4.3	120V±0.5V	JL80	4K7
A68AF13X01	4.3	120V±0.5V	JL80	4K7
A68AF13399	4.3	120V±0.5V	JL80	4K7
W56EGV023X015	16.9	138V±0.5V	JL82	47K
W66EGV023X015	16.9	138V±0.5V	JL82	47K
W76EGV023X015	16.9	138V±0.5V	JL82	47K

PP:17000.00 =>10515500 =17.12.86  
 PP:17004.00 =>10509030 =17.12.86

! Sicherheitsbeurteilung  
 Bei Ersatz nur Originalteile verwenden  
 ! Safety Part  
 When repairing, use original part only  
 ! Piece de sécurité  
 N'utilisez que les pièces d'origine

SCANNING - BALAYAGE - ABLENKUNG - BARRIDO - SCANSIONE



△ Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be guaranteed.

Le remplacement des éléments de sécurité (repérés avec le symbole △) par des composants non homologués selon la Norme CEI 65 entraîne la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol △ gekennzeichnet) durch nicht normgerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (contrassegnati con il segno △) con componenti non omologati secondo la norma CEI 65 comporta la non conformità dell'apparecchio. In tal caso è "esclusa la responsabilità" del costruttore.

La substitución de elementos de seguridad (marcados con el símbolo △) por componentes no homologados según la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

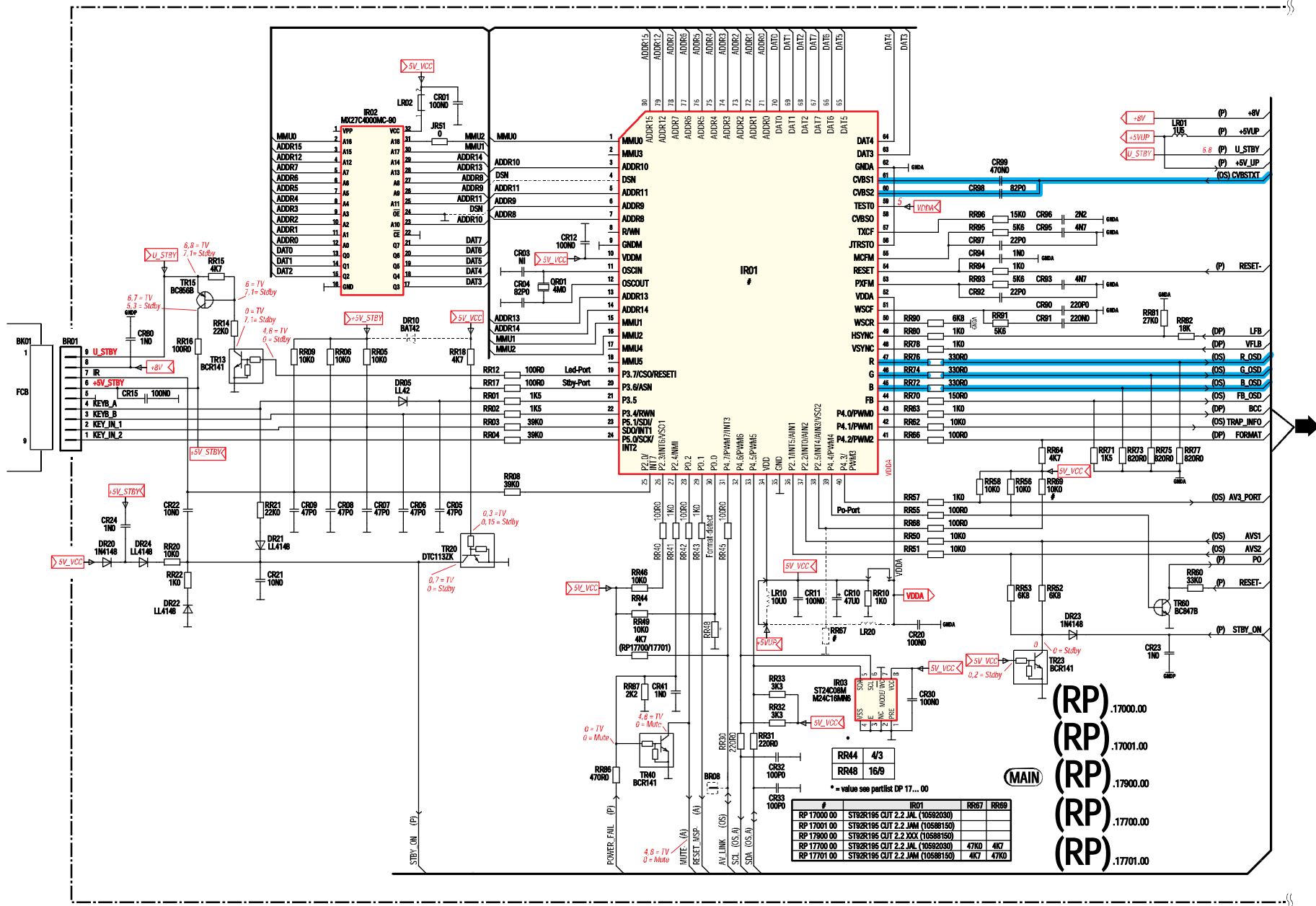
TV ASY A0AE115X01 (A) 00	
Tube 4/3 33' MP	
10575830	TV PSD CT 17062 26
CL21	16N2F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 400.0V
CL24	560N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 63.0V
CL49	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C24 24V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 T8D T1
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 28U5H +10%
RF05	1R21 OHM +1% 700M10W
RF06	10R0 OHM +1% 100M10W
RL02	6K04 OHM +1% 100M10W
RL03	4K75 OHM +1% 100M10W
RL04	4K75 OHM +1% 100M10W
RL05	4K75 OHM +1% 100M10W
RL06	8K81 OHM +1% 100M10W
RL19	13K0 OHM +5% 100M10W
RL45	150K0 OHM +5% 100M10W
RL48	78K9 OHM +1% 100M10W
RL49	56K0 OHM +5% 100M10W
RL65	RCF 4K7 OHM +5% 250M10W
RV20	RNF 23K2 OHM +1% 250M10W

TV ASY A51F583X191 03	
Tube 4/3 21' 01	
10555770	TV PSD CT 17035 26
CL21	8N3F +3.5% -3.5% 1K6V
CL22	33N0F +5% -5% 1K0V
CL24	440N0F +5% -5% 250.0V
CL41	1N0F +10% -10% 50.0V
CL48	10N0F +10% 63.0V
CL49	0 OHM +0% 100M10W
DL71	D-ZENER BZX55C24 24V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 18U0H +7% -7%
LL05	TF-DST M30FBC3 10556640 3087 A0
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 85U0H 2519 A0
RF05	1R8 OHM +1% 700M10W
RF06	10R0 OHM +1% 100M10W
RL02	6K04 OHM +1% 100M10W
RL03	10K0 OHM +1% 100M10W
RL04	10K0 OHM +1% 100M10W
RL05	10K0 OHM +1% 100M10W
RL06	3K32 OHM +1% 100M10W
RL45	110K0 OHM +5% 100M10W
RL49	60K4 OHM +1% 100M10W
RL65	4K7 OHM +5% 250M10W
RV20	23K7 OHM +1% 250M10W

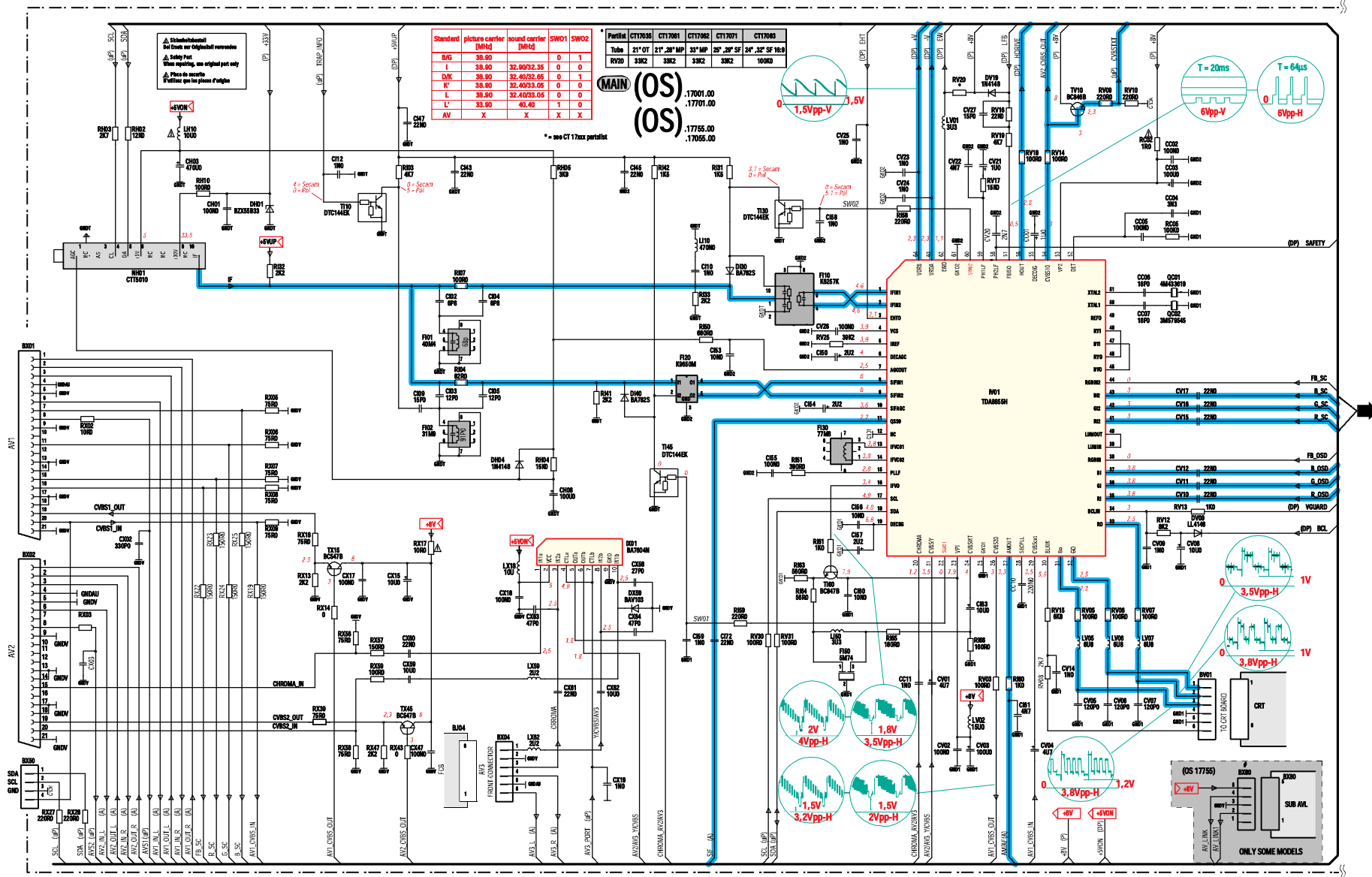
TV ASY A89EGD048X30 19	
TV ASY A89EGD038X30 (A) 68 00	
Tube 4/3 25' SF 29' SF	
10515620	TV PSD CT 17071 26
CL21	16N2F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 400.0V
CL24	510N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 63.0V
CL49	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 T8D T3
LL22	LF 650U0H +5% -5%
LL26	LL 28U5H +10%
RF05	RNF 1R0 OHM +1% 700M10W
RF06	6K8 OHM +5% 100M10W
RL02	4K75 OHM +1% 100M10W
RL03	4K75 OHM +1% 100M10W
RL04	4K75 OHM +1% 100M10W
RL05	4K75 OHM +1% 100M10W
RL06	4K75 OHM +1% 100M10W
RL19	15K0 OHM +5% 100M10W
RL45	180K0 OHM +5% 100M10W
RL48	10K0 OHM +5% 100M10W
RL49	30K0 OHM +5% 100M10W
RL65	4K7 OHM +5% 250M10W
RV20	33K2 OHM +1% 250M10W

TV ASY W86GV0230X15 86 01	
TV ASY W86GV0230X15 86 00	
Tube 16/9 24' 28' 32' SF / vecorgun	
10515630	TV PSD CT 17083 38
CL21	15N5F +3.5% -3.5% 1K6V
CL22	27N0F +5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 63.0V
CL49	D-ZENER BZX55C24 24V 500M10W
DL71	D-ZENER BZX55C24 24V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 T8D 13
LL22	LF 650U0H +5% -5%
LL26	LL 28U5H +10%
RF05	4K98 OHM +1% 100M10W
RF06	1R21 OHM +1% 700M10W
RL02	4K98 OHM +1% 100M10W
RL03	8K48 OHM +1% 100M10W
RL04	8K48 OHM +1% 100M10W
RL05	8K48 OHM +1% 100M10W
RL06	2K37 OHM +1% 100M10W
RL19	13K0 OHM +5% 100M10W
RL45	38K0 OHM +5% 100M10W
RL48	22K0 OHM +5% 100M10W
RL49	18K0 OHM +5% 100M10W
RL65	47K0 OHM +5% 250M10W
RV20	10K0 OHM +1% 250M10W

CONTROL MICROPROCESSOR - MICROPROCESSEUR DE COMMANDE - MIKROPROZESSOR - MICROPROCESSORE DEI COMANDI - MICROPROCESADOR DE LOS MANDOS

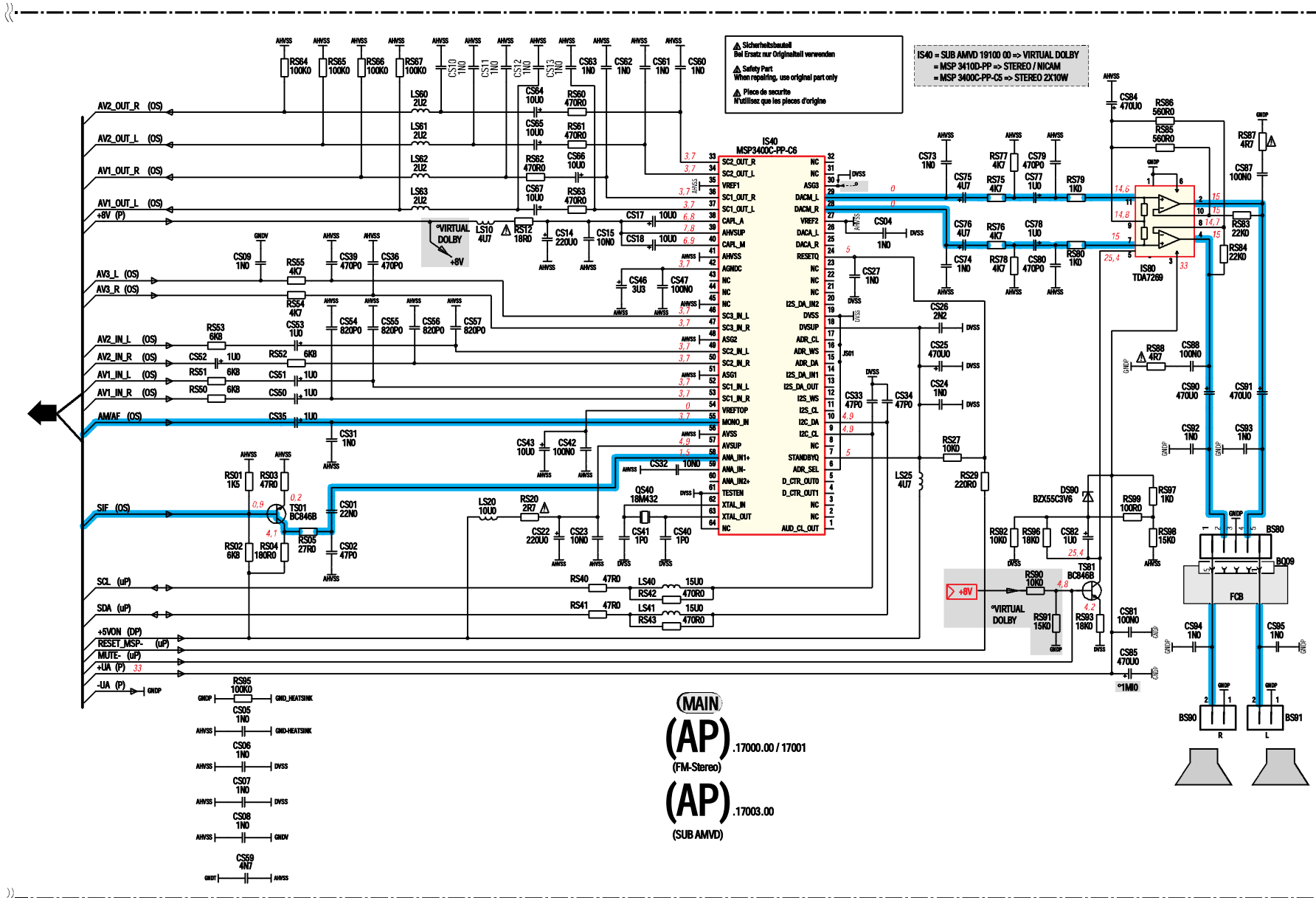


**RF/FI / SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO  
SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONNECTOR / TRATAMENTO VIDEO**

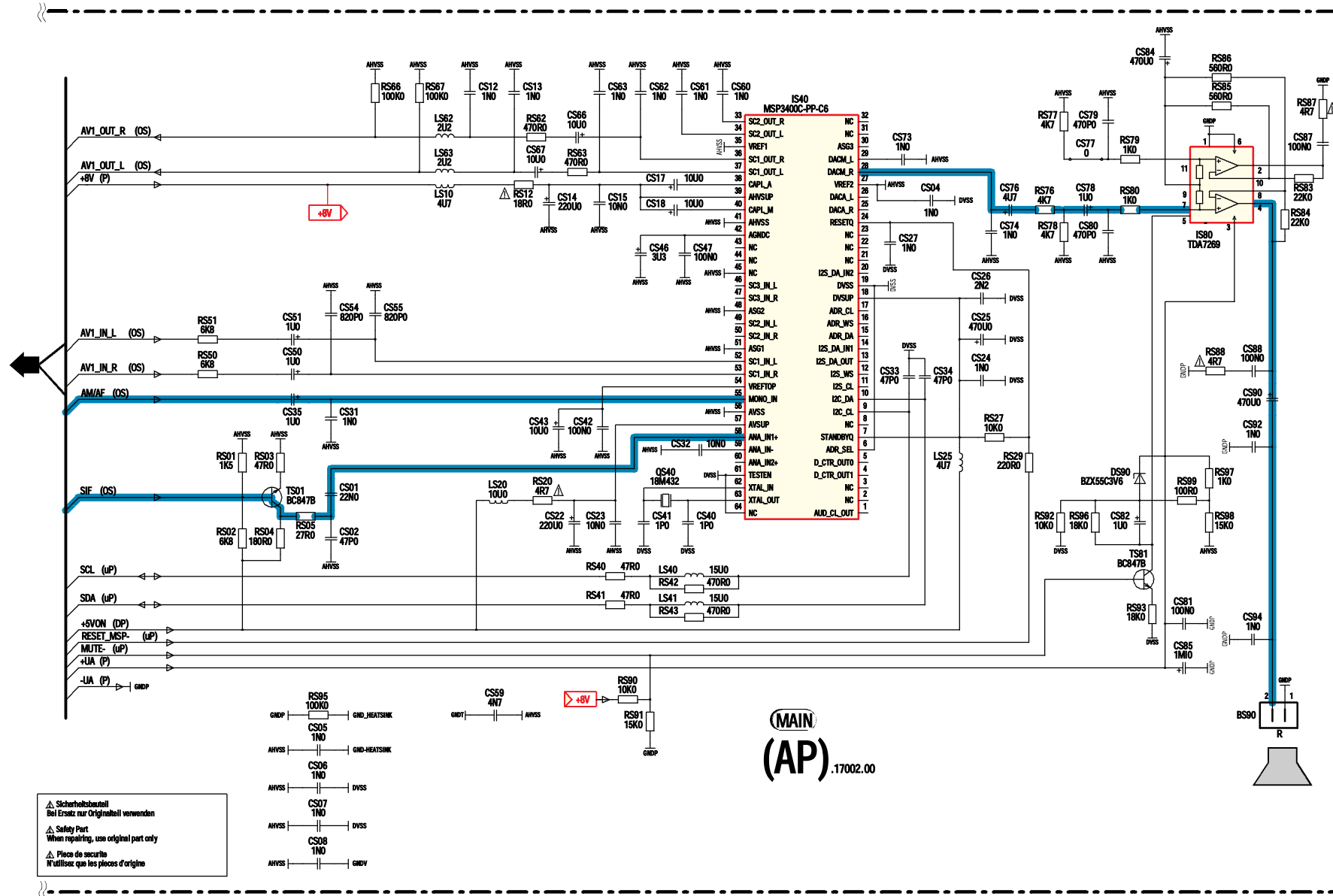




**AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERARBEITUNG - SCHEMA DELL' AMPLIFICATORE  
ESQUEMA DEL AMPLIFICADOR  
(STEREO)**



**AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERARBEITUNG - SCHEMA DELL' AMPLIFICATORE - ESQUEMA DEL AMPLIFICADOR (MONO)**



POWER SUPPLY - ALIMENTATION - NETZTEIL - ALIMENTAZIONE - ALIMENTACIÓN

(5) : standby

**Note :**  
 During measurements in the power supply unit  
 - Use the primary power unit ground (PGND).

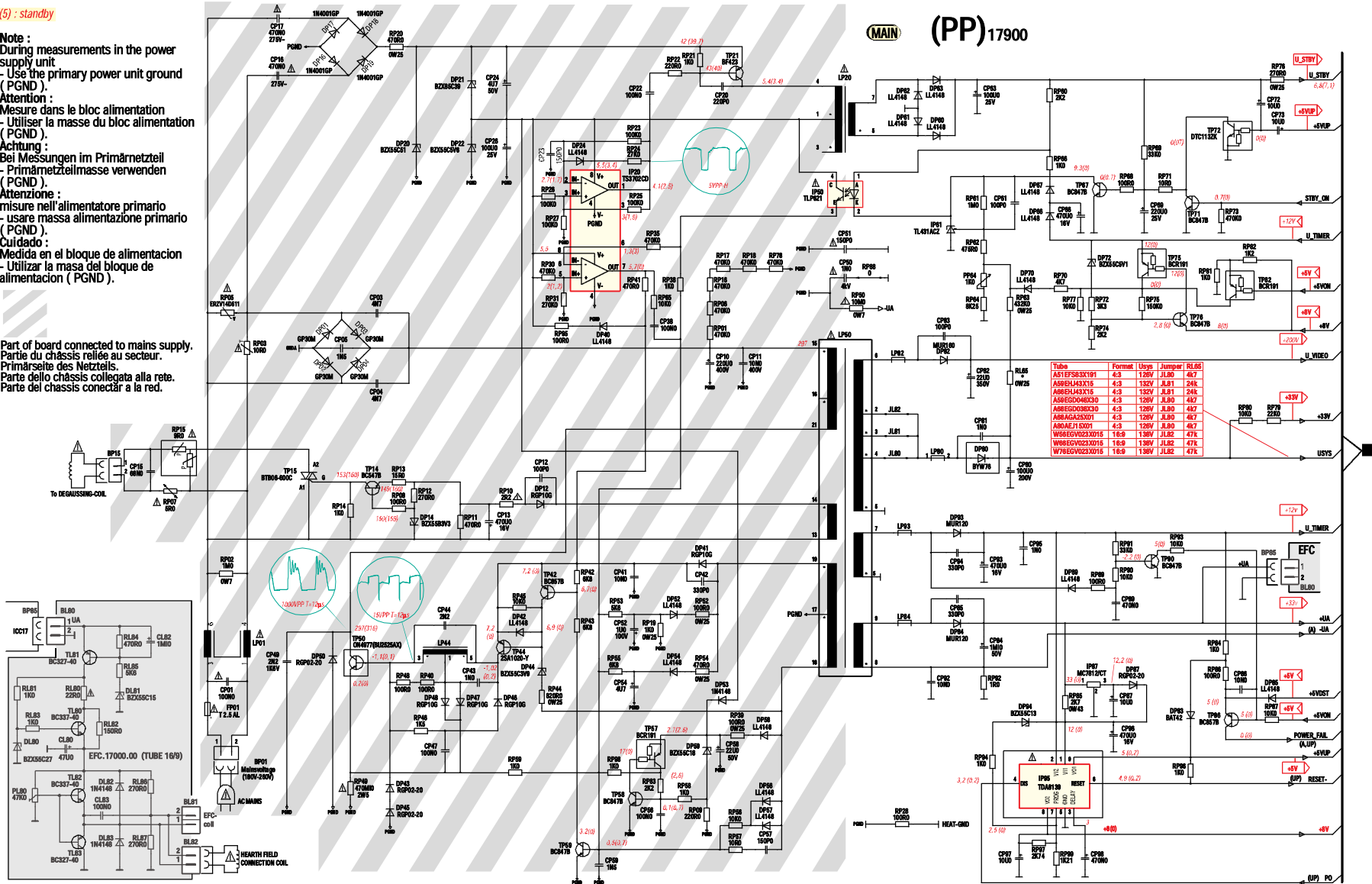
**Attention :**  
 Mesure dans le bloc alimentation  
 - Utiliser la masse du bloc alimentation (PGND).

**Achtung :**  
 Bei Messungen im Primärnetzteil  
 - Primärnetzteilmasse verwenden (PGND).

**Attenzione :**  
 misure nell'alimentatore primario  
 - usare massa alimentazione primario (PGND).

**Cuidado :**  
 Medida en el bloque de alimentacion  
 - Utilizar la masa del bloque de alimentacion (PGND).

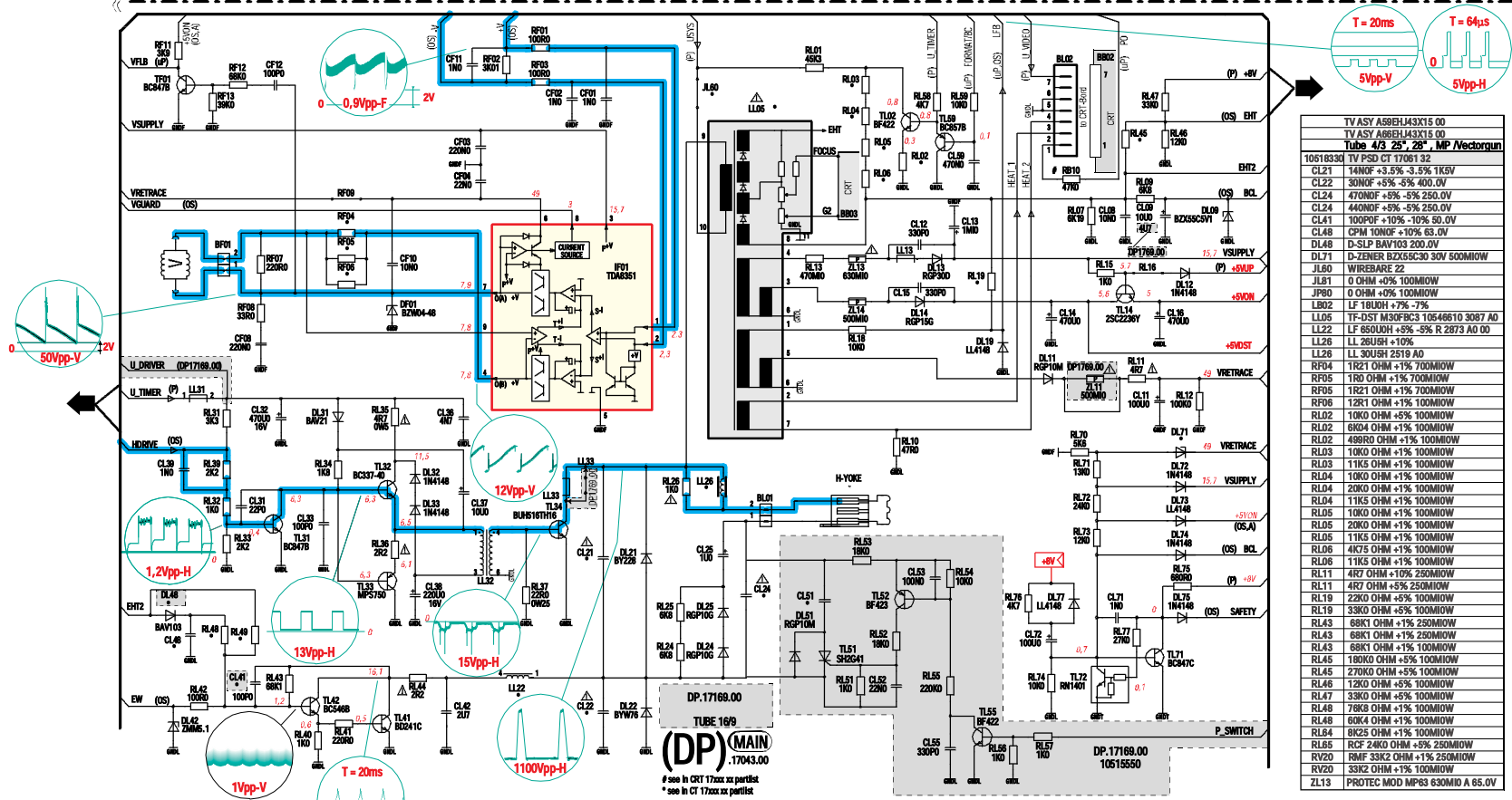
Part of board connected to mains supply.  
 Partie du châssis reliée au secteur.  
 Primärseite des Netzteils.  
 Parte dello chassis collegata alla rete.  
 Parte del chassis conectará a la red.



⚠ Use isolating mains transformer - Utiliser un transformateur isolateur du secteur - Einen Trenntrafo verwenden  
 Utilizar un transformador aislador de red - Utilizzare un trasformatore per isolarvi dalla rete



# SCANNING - BALAYAGE - ABLENKUNG - BARRIDO - SCANSIONE



⚠ Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be guaranteed.

Le remplacement des éléments de sécurité (repérés avec le symbole ⚠) par des composants non homologués selon la Norme CEI 65 entraîne la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) durch nicht normgerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (contrassegnati con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformità dell'apparecchio. In tal caso è "esclusa la responsabilità" del costruttore.

La substitución de elementos de seguridad (marcados con el símbolo ⚠) por componentes no homologados según la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

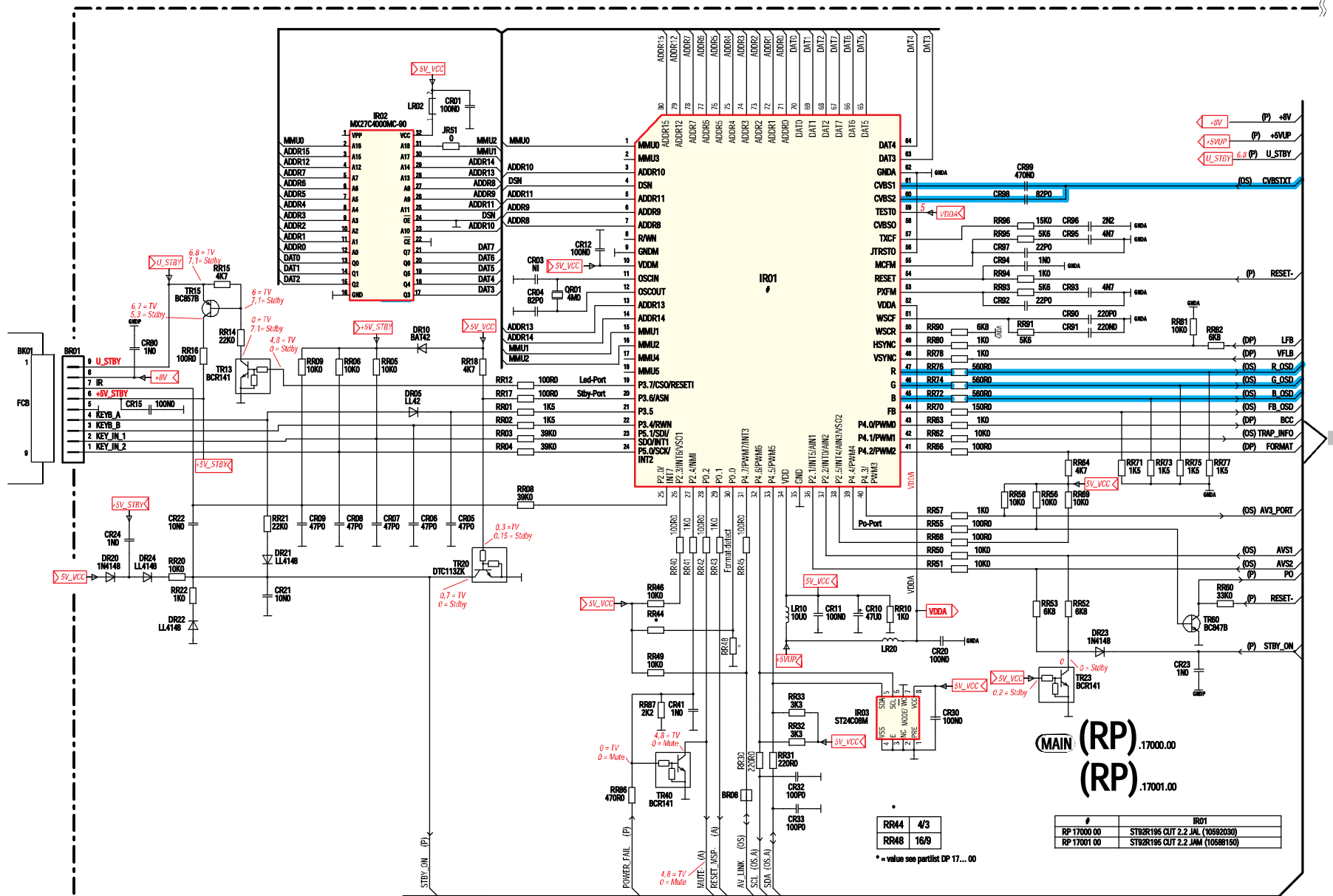
TV ASY A80AE15X01 (A) 00	
Tubo 4/3 33' MP	
10575830	TV PSD CT 17062 26
CL21	16N2F +3.5% -3.5% 1K5V
CL22	30NOF +5% -5% 400.0V
CL24	46NOF +5% -5% 250.0V
CL41	100POF +10% -10% 50.0V
CL48	10NOF +10% 63.0V
CL49	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C24 24V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 32UOH +4% -4%
LL05	TF-DST TDS29 T8D 11
LL22	LF 650UOH +5% -5% R 2873 A0 00
LL26	LL 28U5H +10%
RF05	1R21 OHM +1% 700M10W
RF06	10R0 OHM +1% 100M10W
RL02	6K04 OHM +1% 100M10W
RL03	4K75 OHM +1% 100M10W
RL04	4K75 OHM +1% 100M10W
RL05	4K75 OHM +1% 100M10W
RL06	8K40 OHM +1% 100M10W
RL19	13K0 OHM +5% 100M10W
RL45	150K0 OHM +5% 100M10W
RL48	78K9 OHM +1% 100M10W
RL49	56K0 OHM +5% 100M10W
RL65	RCF 4K7 OHM +5% 250M10W
RV20	RNF 23K2 OHM +1% 250M10W

TV ASY A51EF58X191 03	
Tubo 4/3 21' 01	
10555770	TV PSD CT 17035 26
CL21	8N3F +3.5% -3.5% 1K5V
CL22	33NOF +5% -5% 1K0V
CL24	44NOF +5% -5% 250.0V
CL41	10NOF +10% -10% 50.0V
CL48	10NOF +10% 63.0V
CL49	0 OHM +0% 100M10W
DL71	D-ZENER BZX55C24 24V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 18UOH +7% -7%
LL05	TF-DST M30FBC3 10556640 3087 A0
LL22	LF 650UOH +5% -5% R 2873 A0 00
LL26	LL 85UOH 2519 A0
RF05	1R8 OHM +1% 700M10W
RF06	10R0 OHM +1% 100M10W
RL02	6K04 OHM +1% 100M10W
RL03	10K0 OHM +1% 100M10W
RL04	10K0 OHM +1% 100M10W
RL05	11K0 OHM +1% 100M10W
RL49	60K4 OHM +1% 100M10W
RL65	4K7 OHM +5% 250M10W
RV20	23K7 OHM +1% 250M10W

TV ASY A89EGD048X30 19	
TV ASY A88EGD038X30 (A) 68 00	
Tubo 4/3 25' SF 29' SF	
10515820	TV PSD CT 17071 26
CL21	16N2F +3.5% -3.5% 1K5V
CL22	30NOF +5% -5% 400.0V
CL24	51NOF +5% -5% 250.0V
CL41	100POF +10% -10% 50.0V
CL48	10NOF +10% 63.0V
CL49	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 32UOH +4% -4%
LL05	TF-DST TDS29 T8D 13
LL22	LF 650UOH +5% -5%
LL26	LL 28U5H +10%
RF05	RNF 1R0 OHM +1% 700M10W
RF06	6K8 OHM +5% 100M10W
RL02	4K75 OHM +1% 100M10W
RL03	4K75 OHM +1% 100M10W
RL04	4K75 OHM +1% 100M10W
RL05	4K75 OHM +1% 100M10W
RL06	4K75 OHM +1% 100M10W
RL19	15K0 OHM +5% 100M10W
RL45	18K0 OHM +5% 100M10W
RL48	10K0 OHM +5% 100M10W
RL49	30K0 OHM +5% 100M10W
RL65	4K7 OHM +5% 250M10W
RV20	33K2 OHM +1% 250M10W

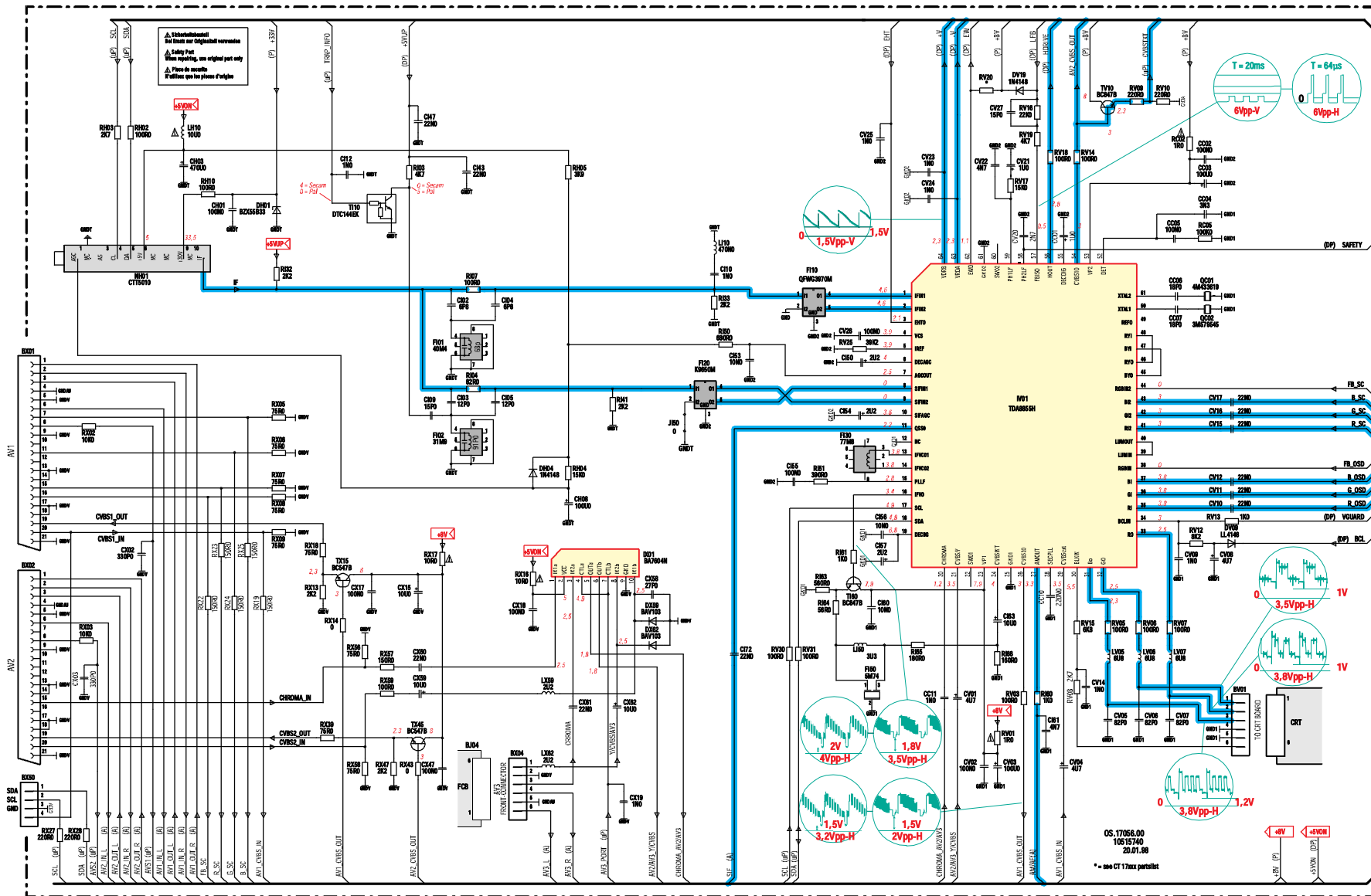
TV ASY W86GV0230X15 86 01	
TV ASY W86GV0230X15 86 00	
Tubo 16/9 24' 29' 32' SF / vecorgun	
10515830	TV PSD CT 17083 38
CL21	15N5F +3.5% -3.5% 1K5V
CL22	27NOF +5% -5% 400.0V
CL24	44NOF +5% -5% 250.0V
CL41	100POF +10% -10% 50.0V
CL48	10NOF +10% 63.0V
CL49	D-SLP BAV103 200.0V
CL51	D-ZENER BZX55C30 30V 500M10W
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C24 24V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 32UOH +4% -4%
LL05	TF-DST TDS29 T8D 11
LL22	LF 650UOH +5% -5% R 2873 A0 00
LL26	LL 30U5H 2519 A0
RF05	1R21 OHM +1% 700M10W
RF06	4K98 OHM +1% 100M10W
RL02	6K8 OHM +1% 100M10W
RL03	8K40 OHM +1% 100M10W
RL04	8K40 OHM +1% 100M10W
RL05	8K40 OHM +1% 100M10W
RL06	2K37 OHM +1% 100M10W
RL19	13K0 OHM +5% 100M10W
RL45	38K0 OHM +5% 100M10W
RL48	22K0 OHM +5% 100M10W
RL49	18K0 OHM +5% 100M10W
RL65	47K0 OHM +5% 250M10W
RV20	10K0 OHM +1% 250M10W

CONTROL MICROPROCESSOR - MICROPROCESSEUR DE COMMANDE - MIKROPROZESSOR - MICROPROCESSORE DEI COMANDI - MICROPROCESADOR DE LOS MANDOS

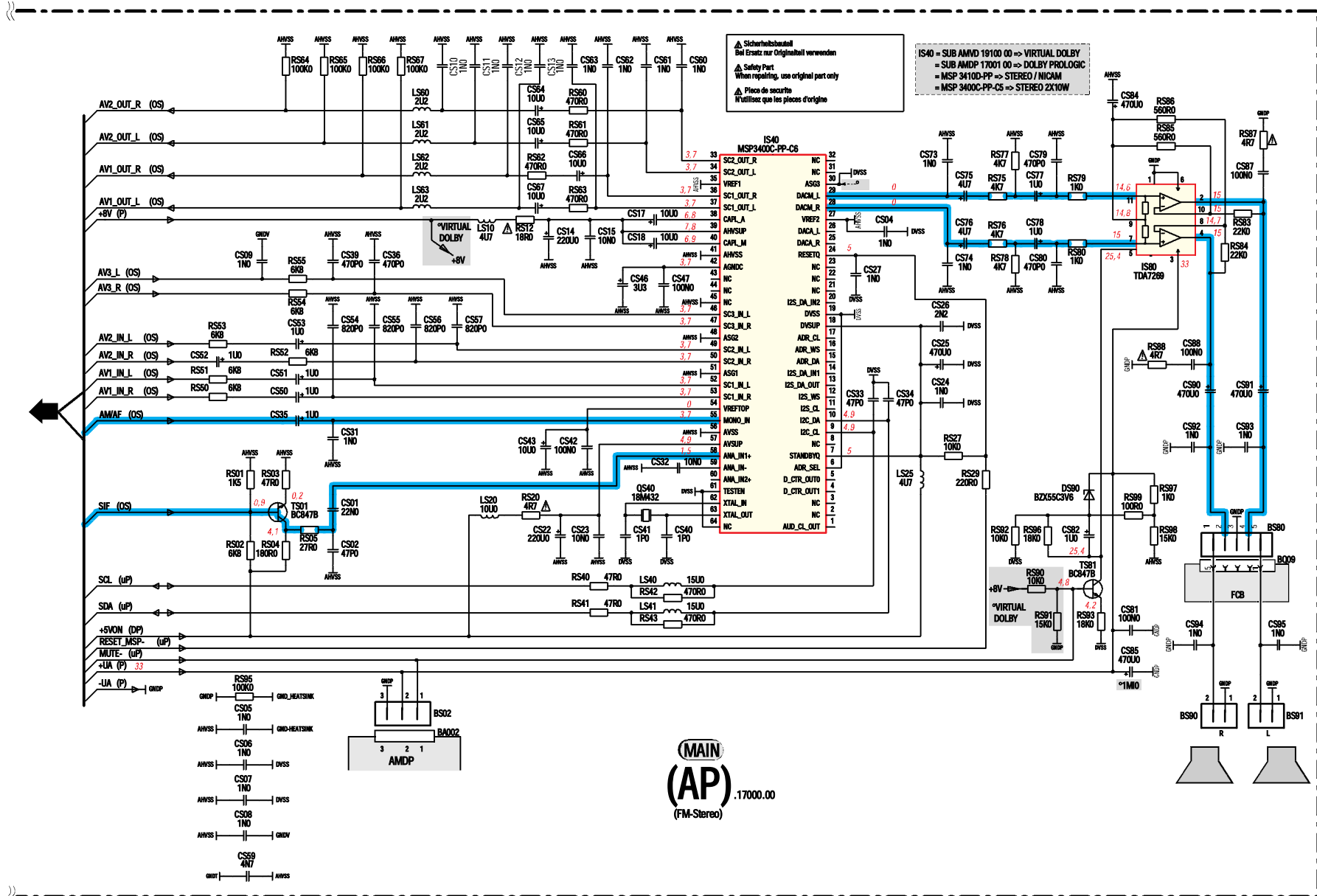




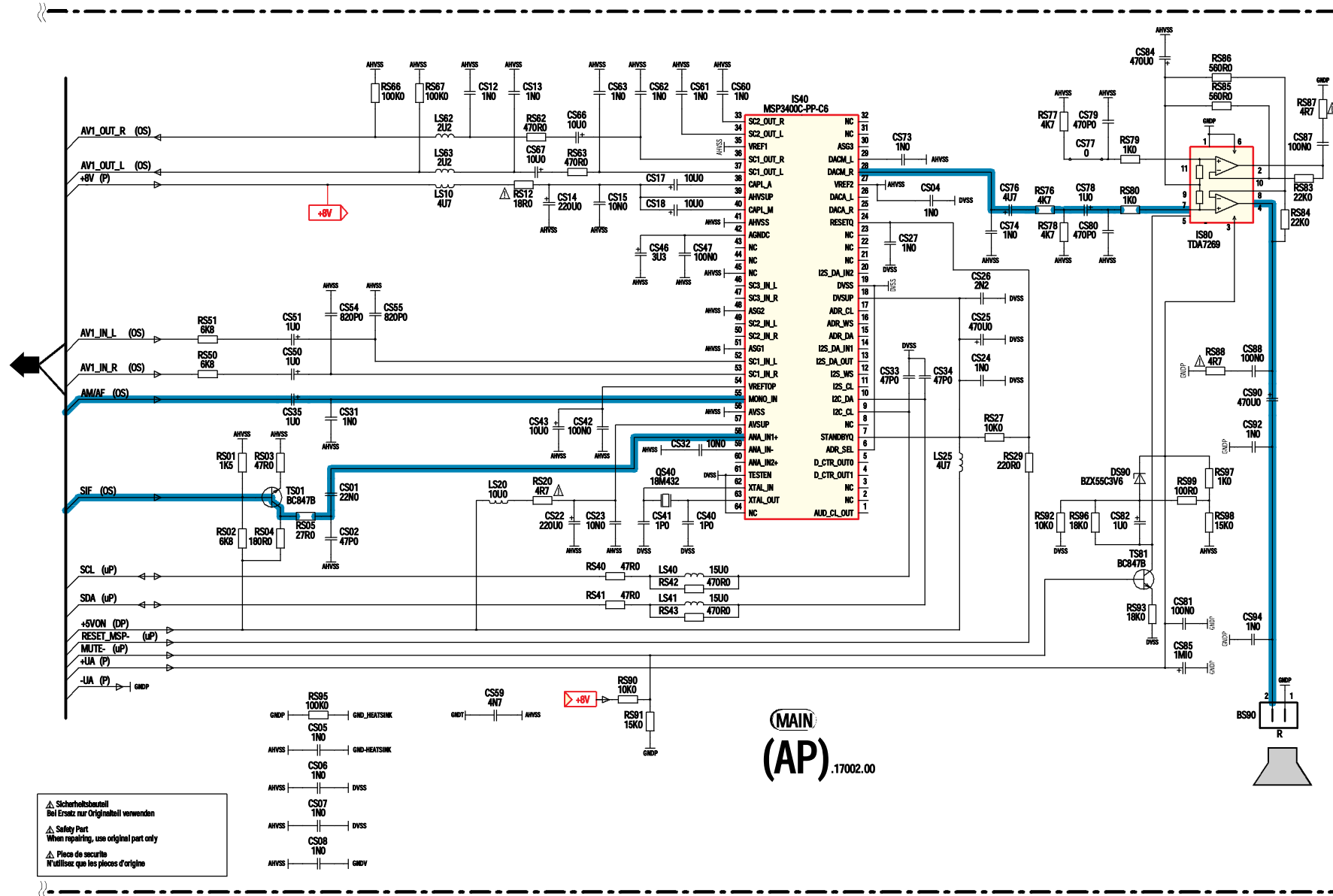
**RF/FI SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAIEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONNECTOR/TRATAMENTO VIDEO**



**AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERARBEITUNG - SCHEMA DELL' AMPLIFICATORE  
ESQUEMA DEL AMPLIFICADOR  
(STEREO)**

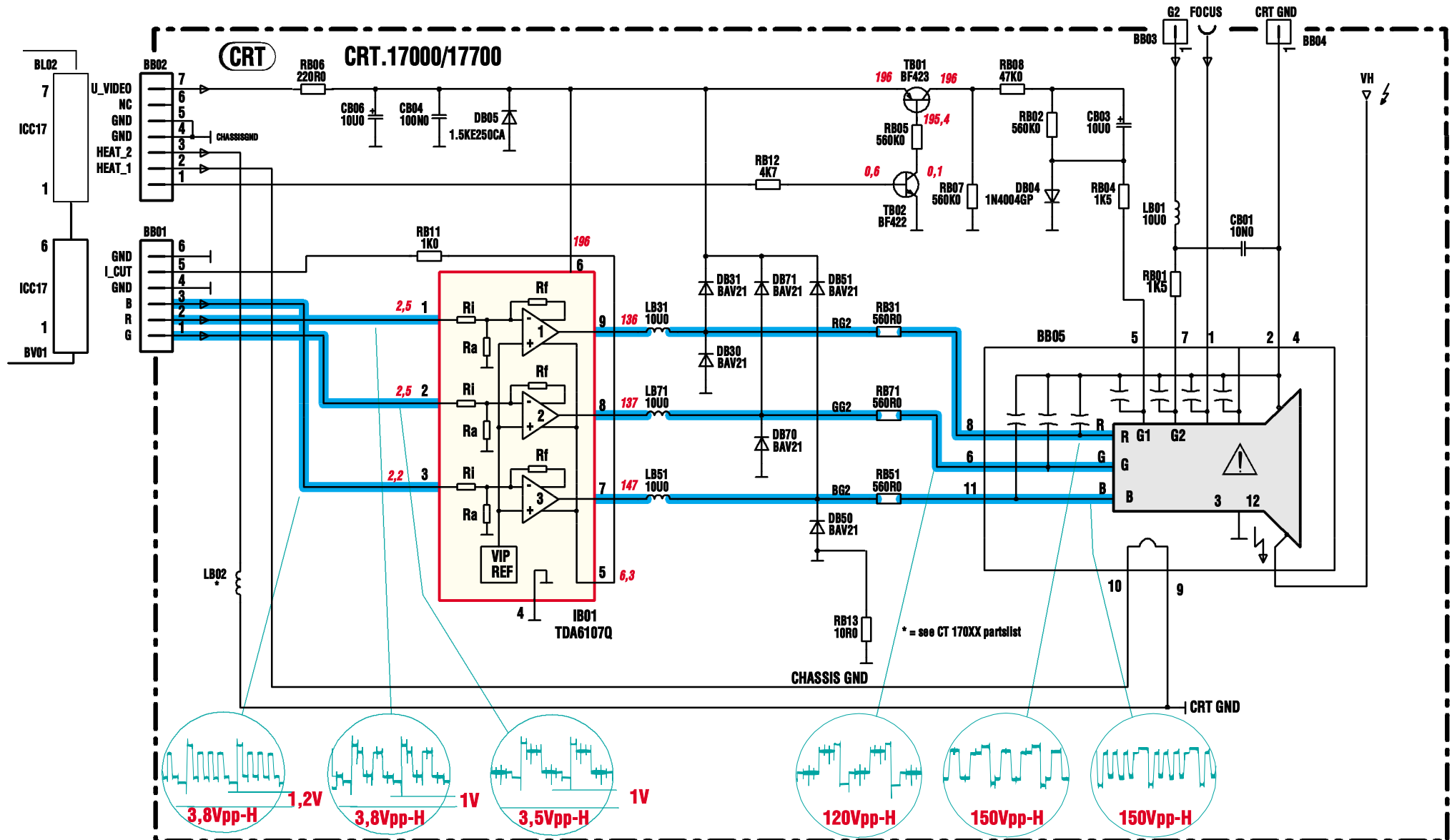


**AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERARBEITUNG - SCHEMA DELL' AMPLIFICATORE - ESQUEMA DEL AMPLIFICADOR (MONO)**





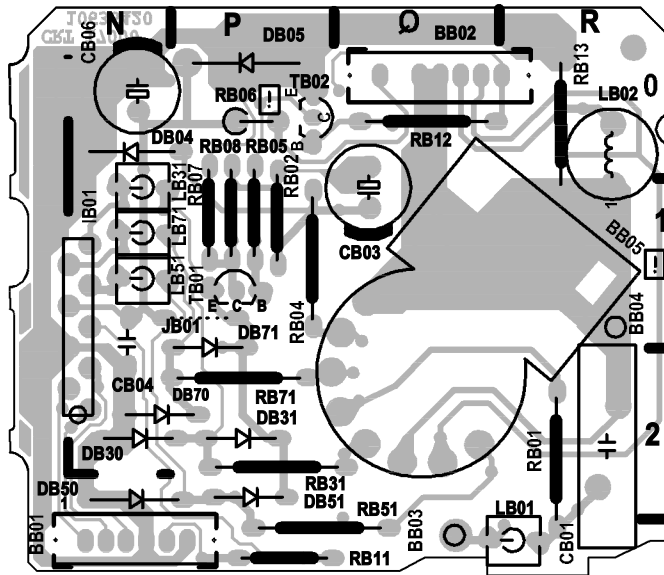
**VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE - PIASTRA AMPLIFICATORE VIDEO  
PLATINA AMPLIFICADOR VIDEO**



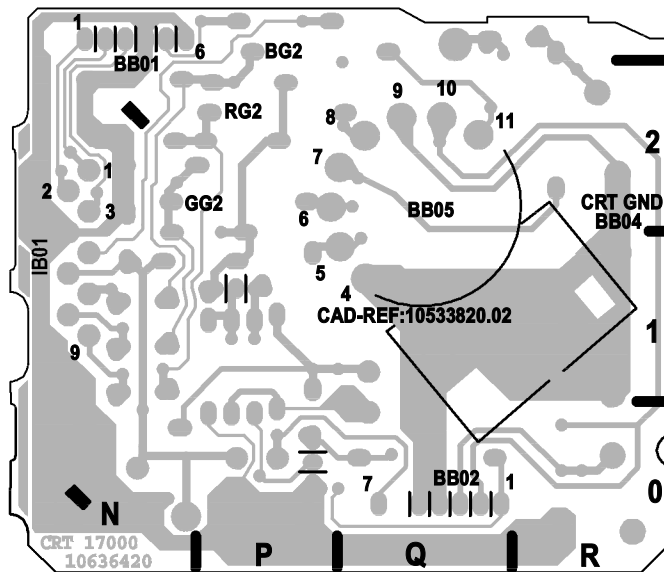
**VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE  
PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO**

**CRT 17000 / 17700**

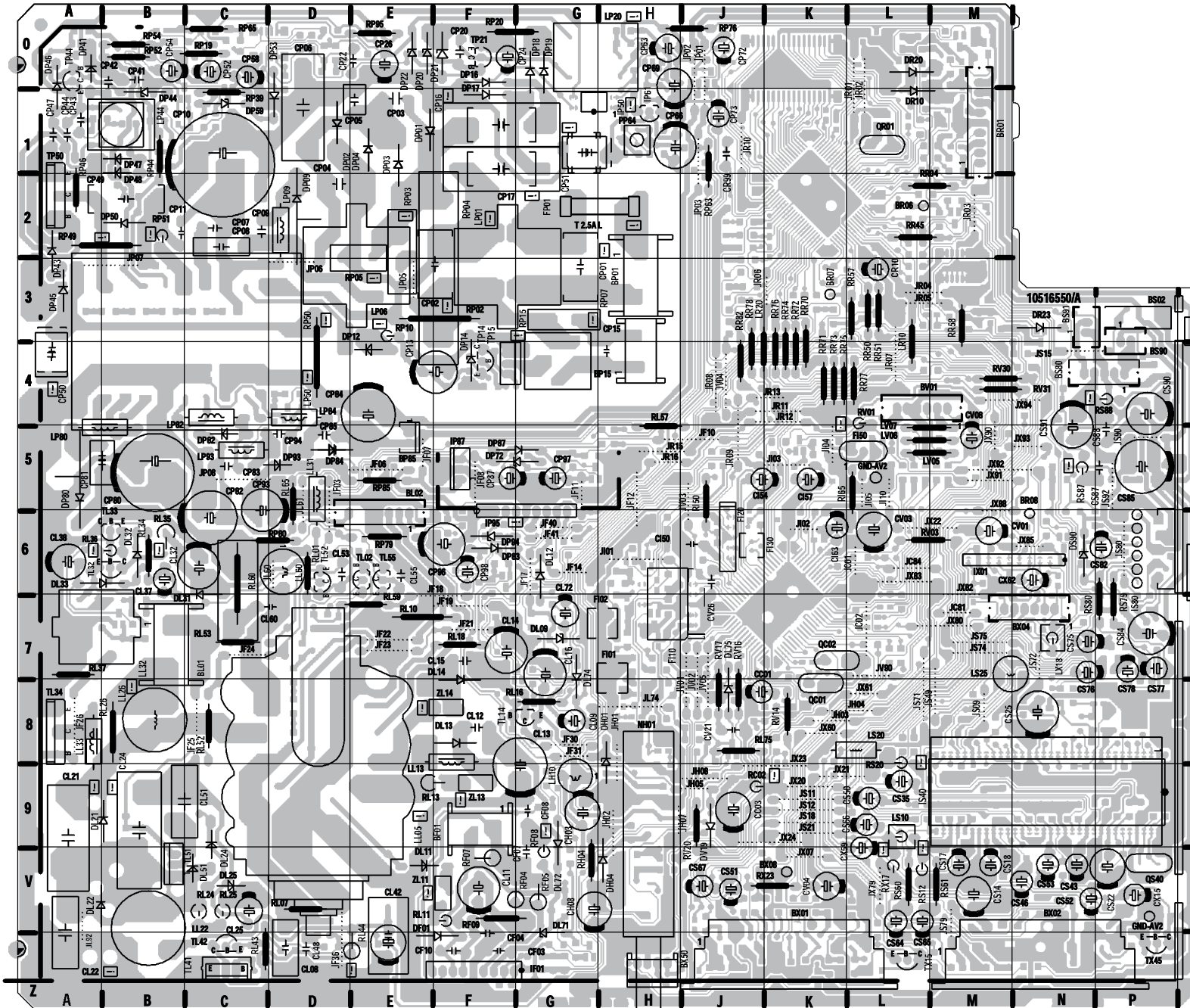
**COMPONENT SIDE - CÔTE COMPOSANTS  
BESTÜCKUNGSSEITE - LATO COMPONENTI  
LADO COMPONENTES**

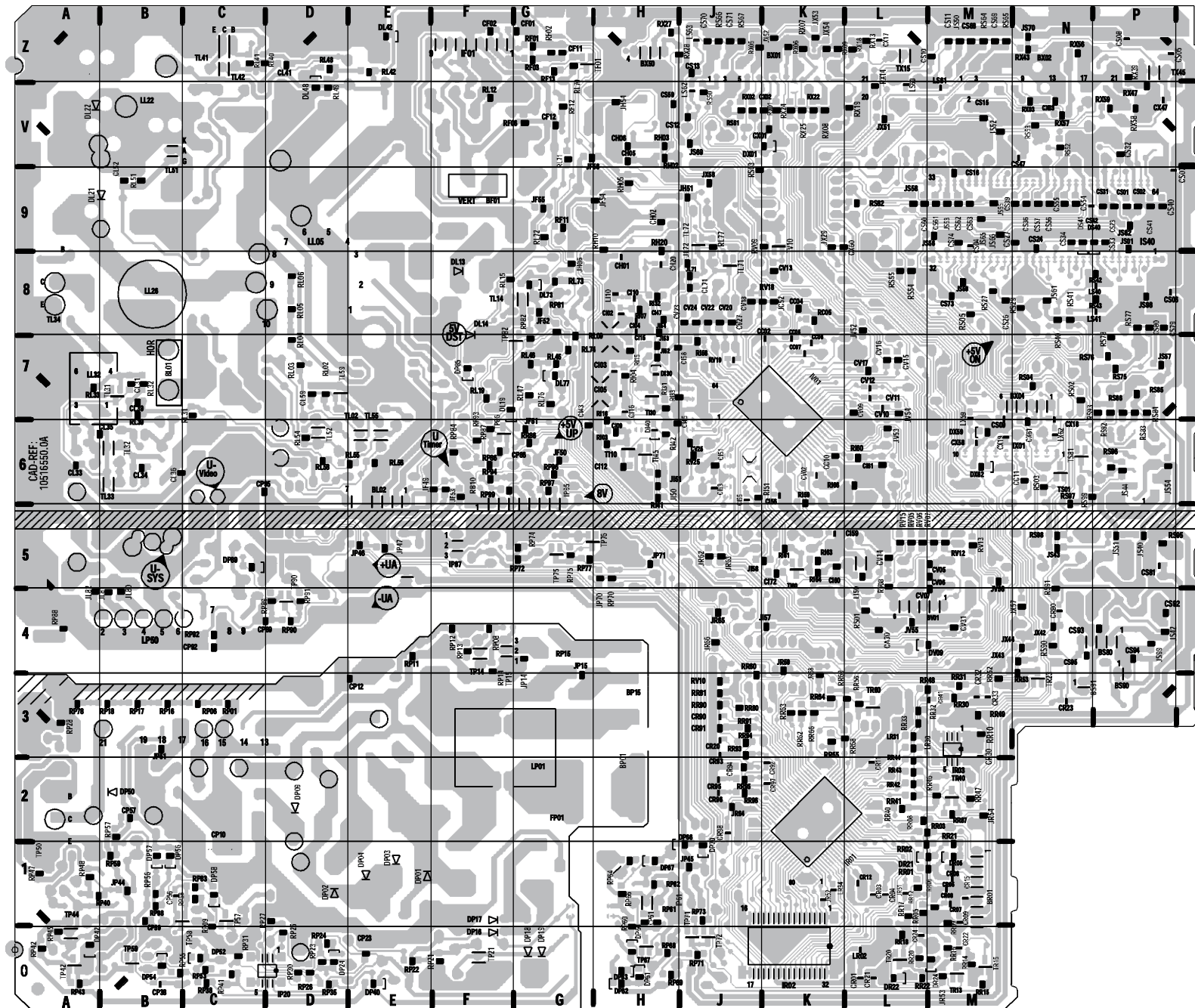


**SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE  
- LATO SALDATURE - LADO SOLDADURAS**

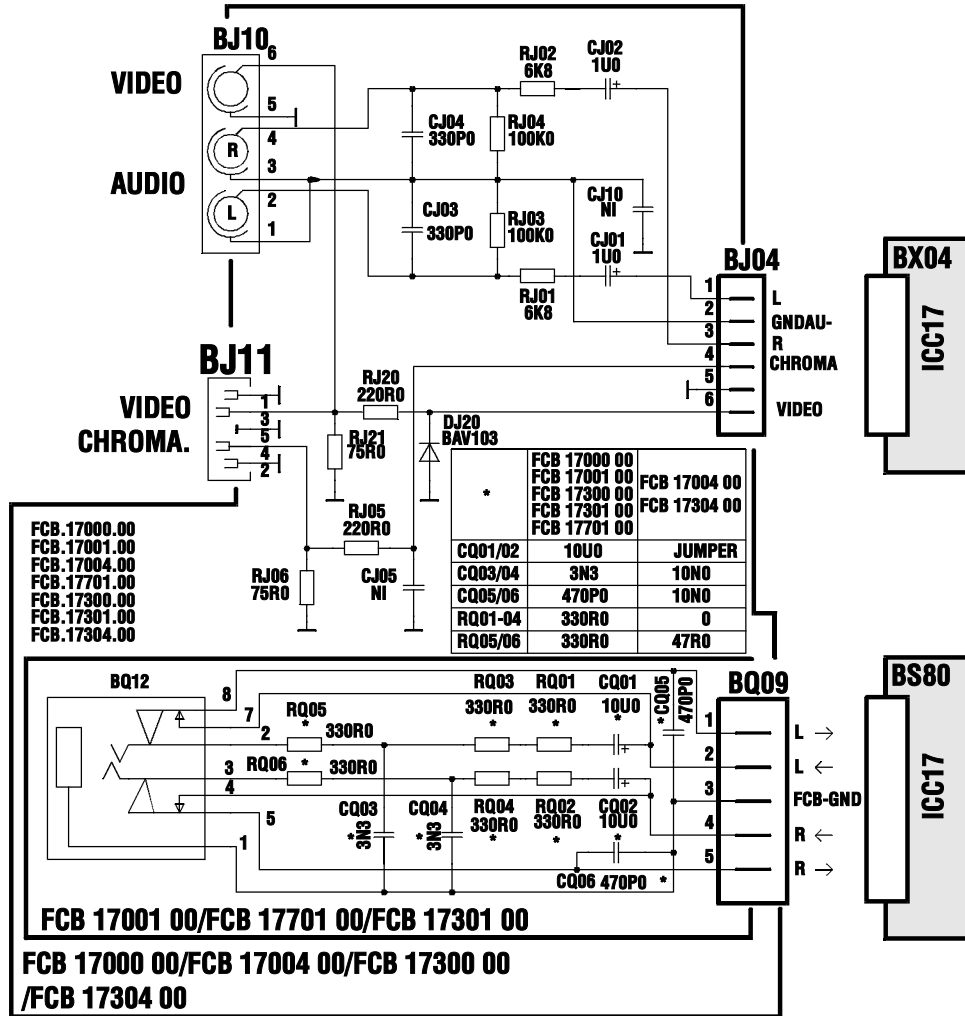


**MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL**  
**COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LATO COMPONENTES**

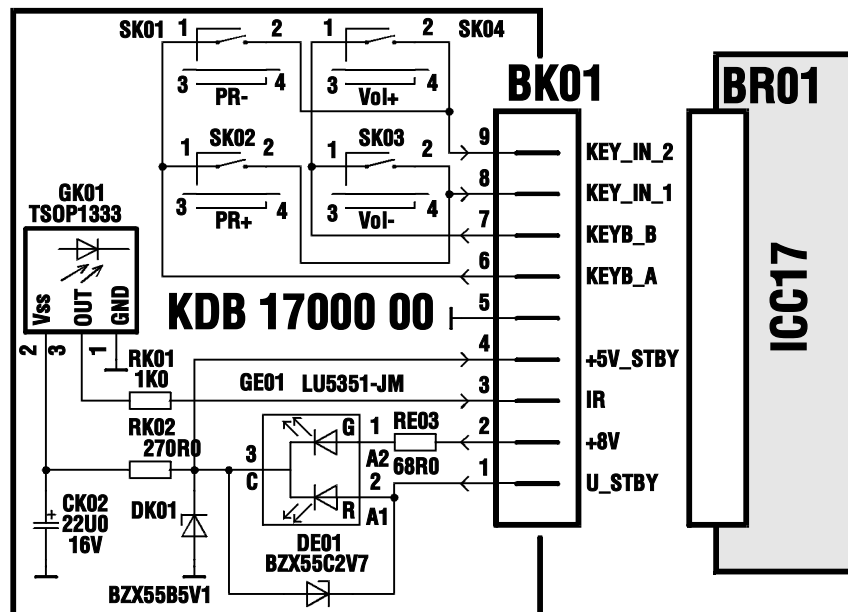




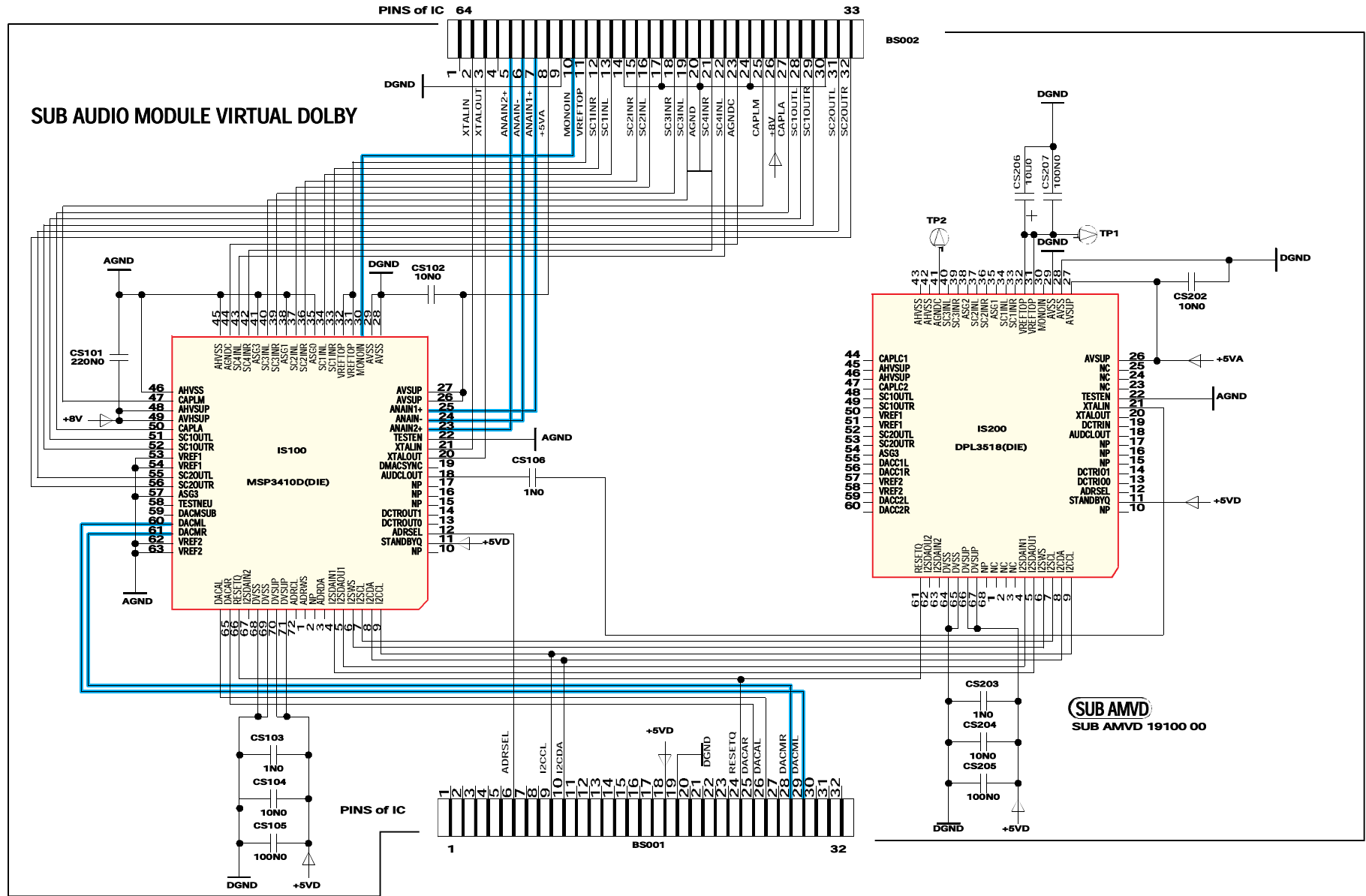
**FRONT CONNECTOR BOARD - MODULE PRISE EN FACADE ET INTERCONNEXION DU CLAVIER - FRONT ANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE PLATINA MONDOS FRONTAL**



**KEYBOARD MODULE - PLATINE CLAVIER - BEDIEN TEIL PLATTE - PIASTRA COMANDI - PLATINA TECLADO**

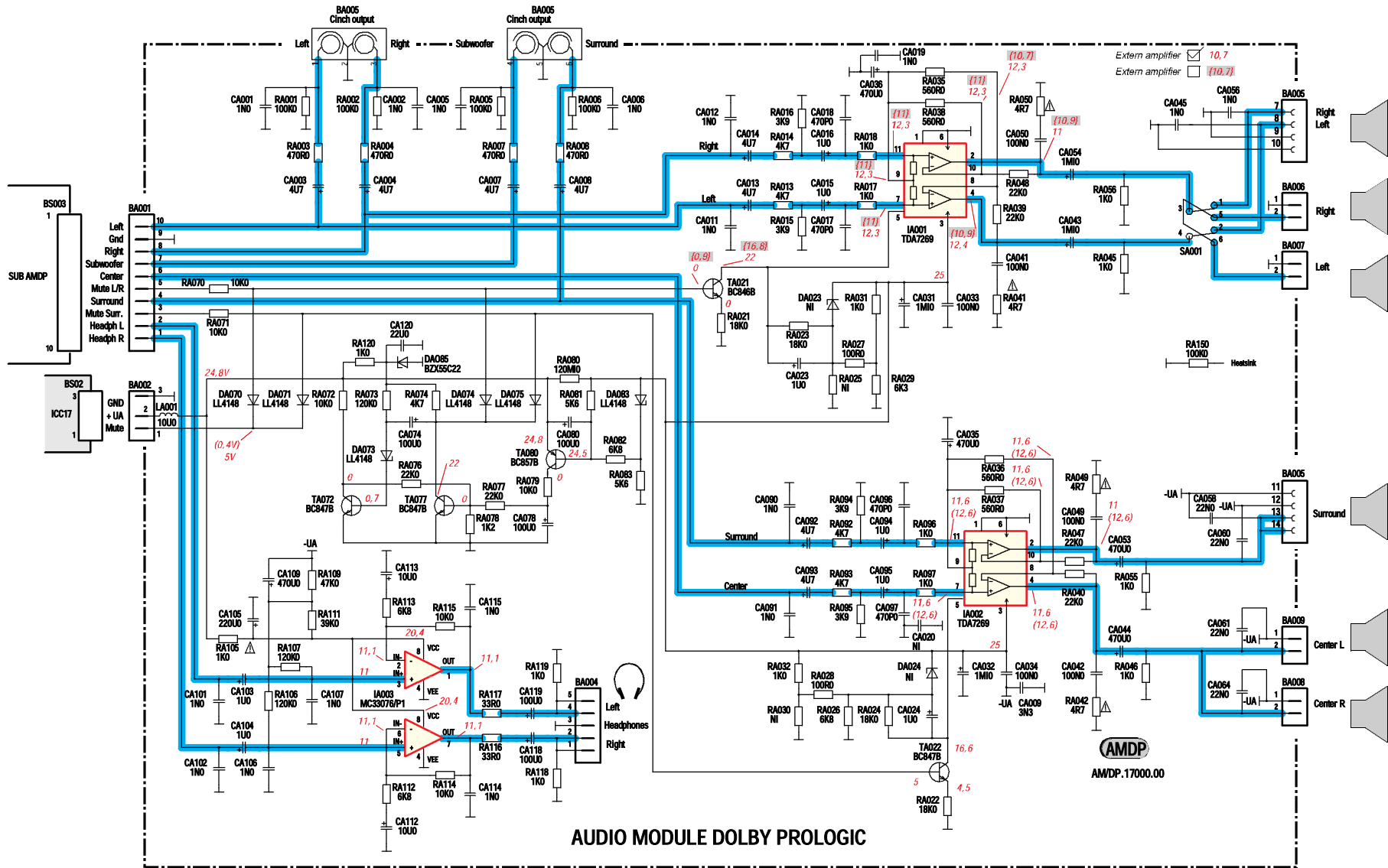


SUB AUDIO SIGNAL MODULE - SUB MODULE AUDIO - AUDIO SIGNAL SUBMODUL - SUB MODULO AUDIO



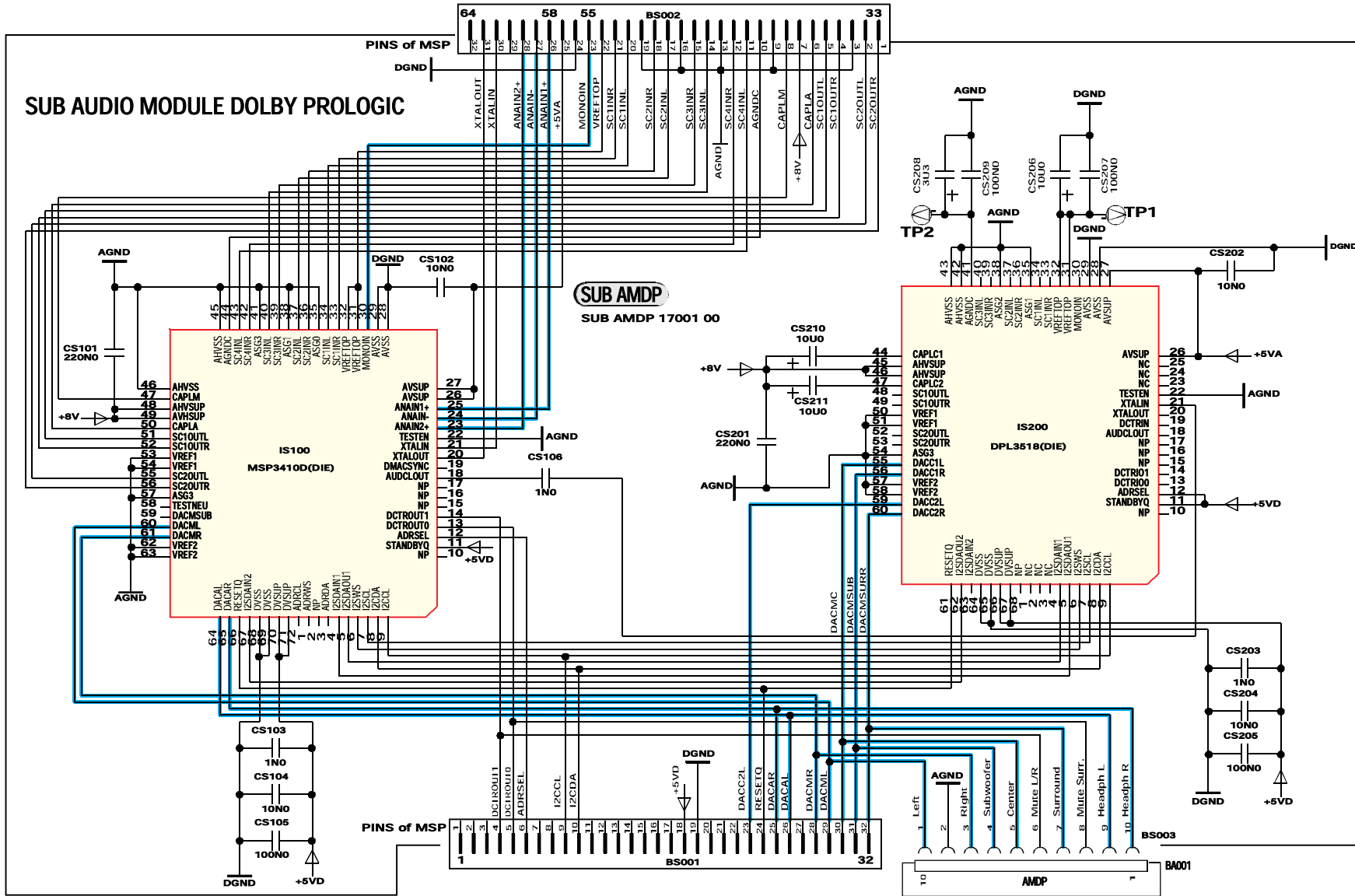


**AUDIO SIGNAL MODULE DOLBY PROLOGIC - MODULE AUDIO DOLBY PROLOGIC - DOLBY PROLOGIC VERSTÄRKER - MODULO AUDIO DOLBY PROLOGIC**  
**ESQUEMA DEL MÓDULO AMPLIFICADOR DE AUDIO**



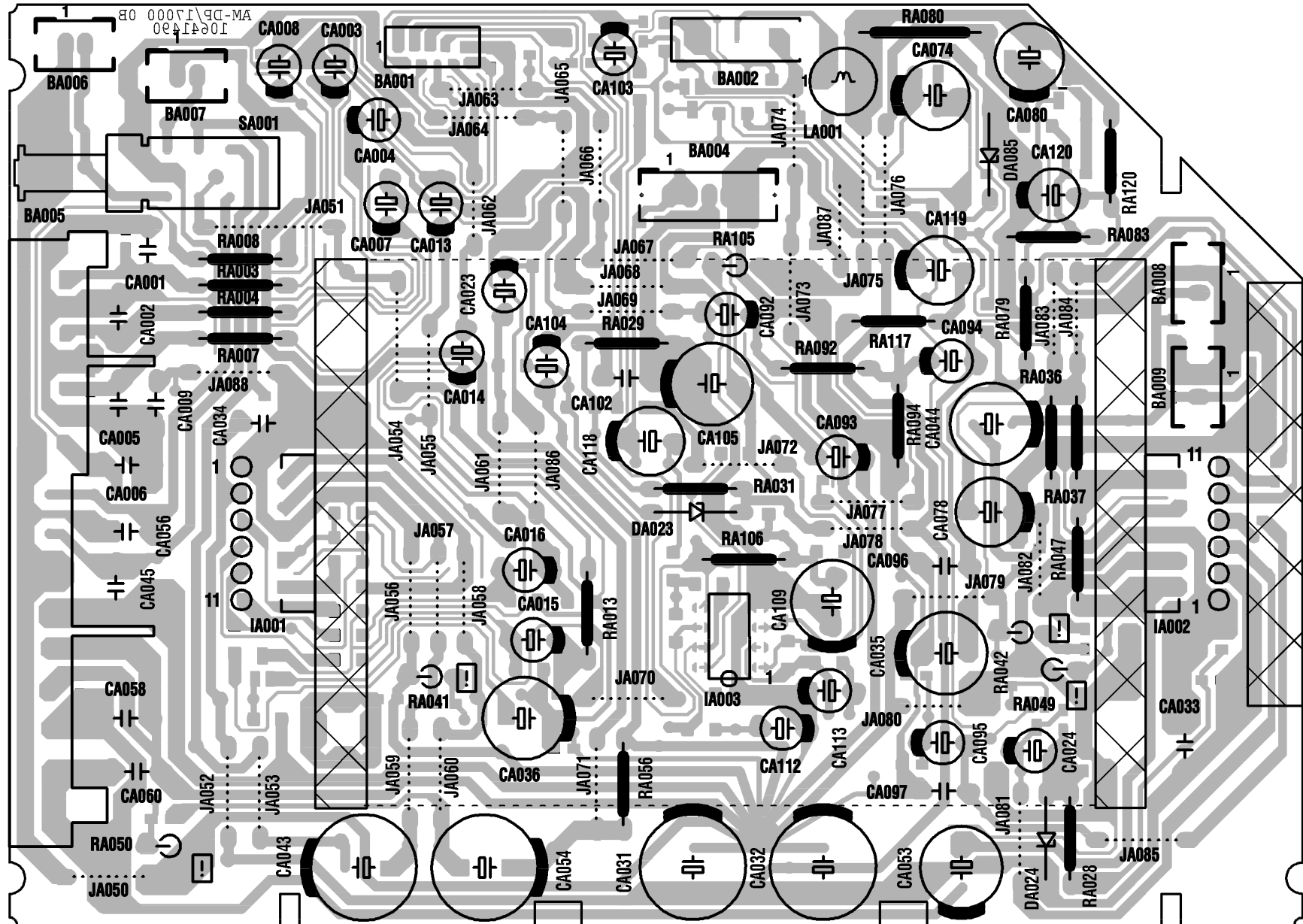
**AUDIO MODULE DOLBY PROLOGIC**

SUB AUDIO SIGNAL MODULE - SUB MODULE AUDIO - AUDIO SIGNAL SUBMODUL - SUB MODULO AUDIO



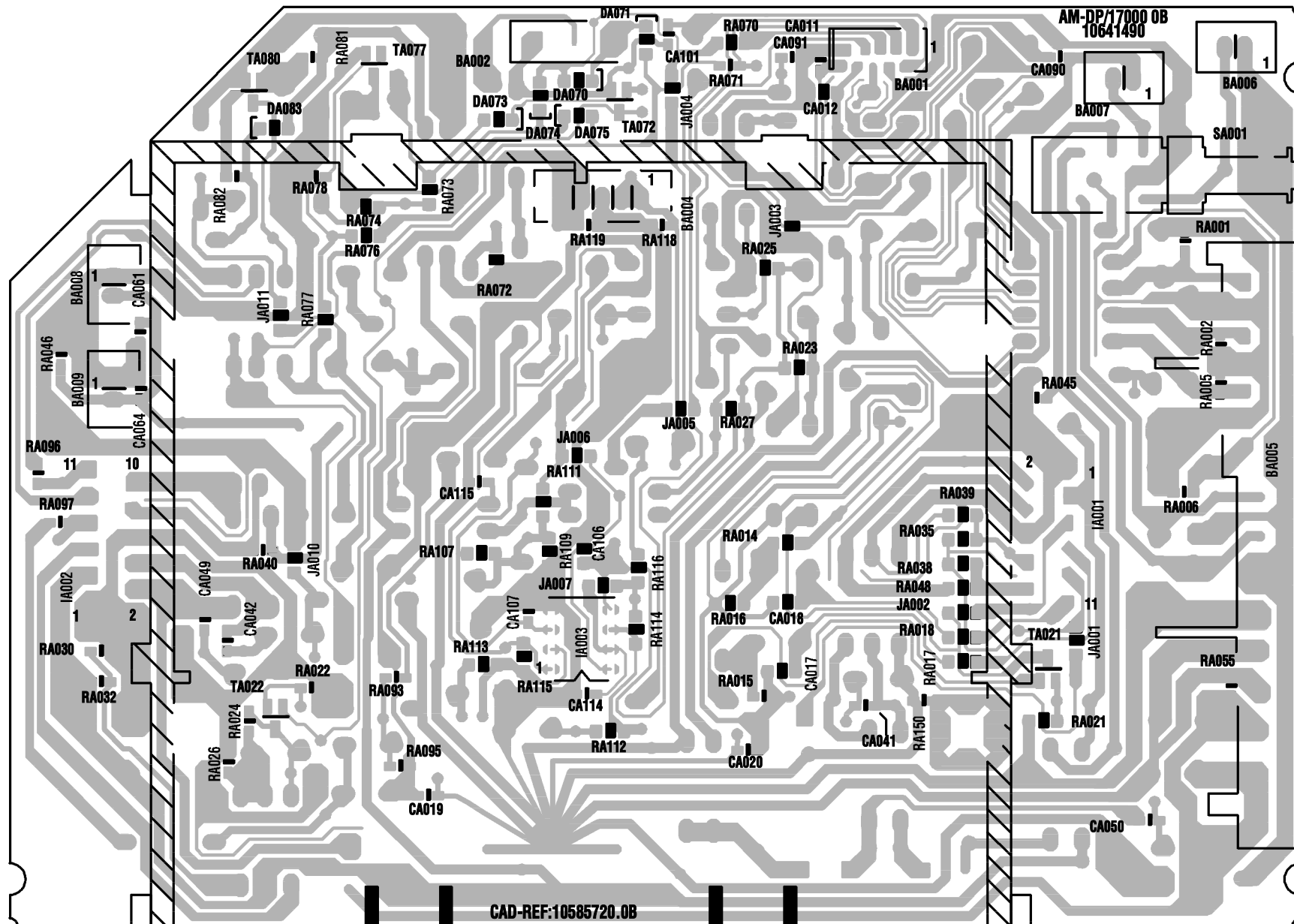
**AUDIO SIGNAL MODULE DOLBY PROLOGIC - MODULE AUDIO DOLBY PROLOGIC - DOLBY PROLOGIC VERSTÄRKER - MODULO AUDIO DOLBY PROLOGIC - ESQUEMA DEL MÓDULO AMPLIFICADOR DE AUDIO**

COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE -LATO COMPONENTI - LADO COMPONENTES

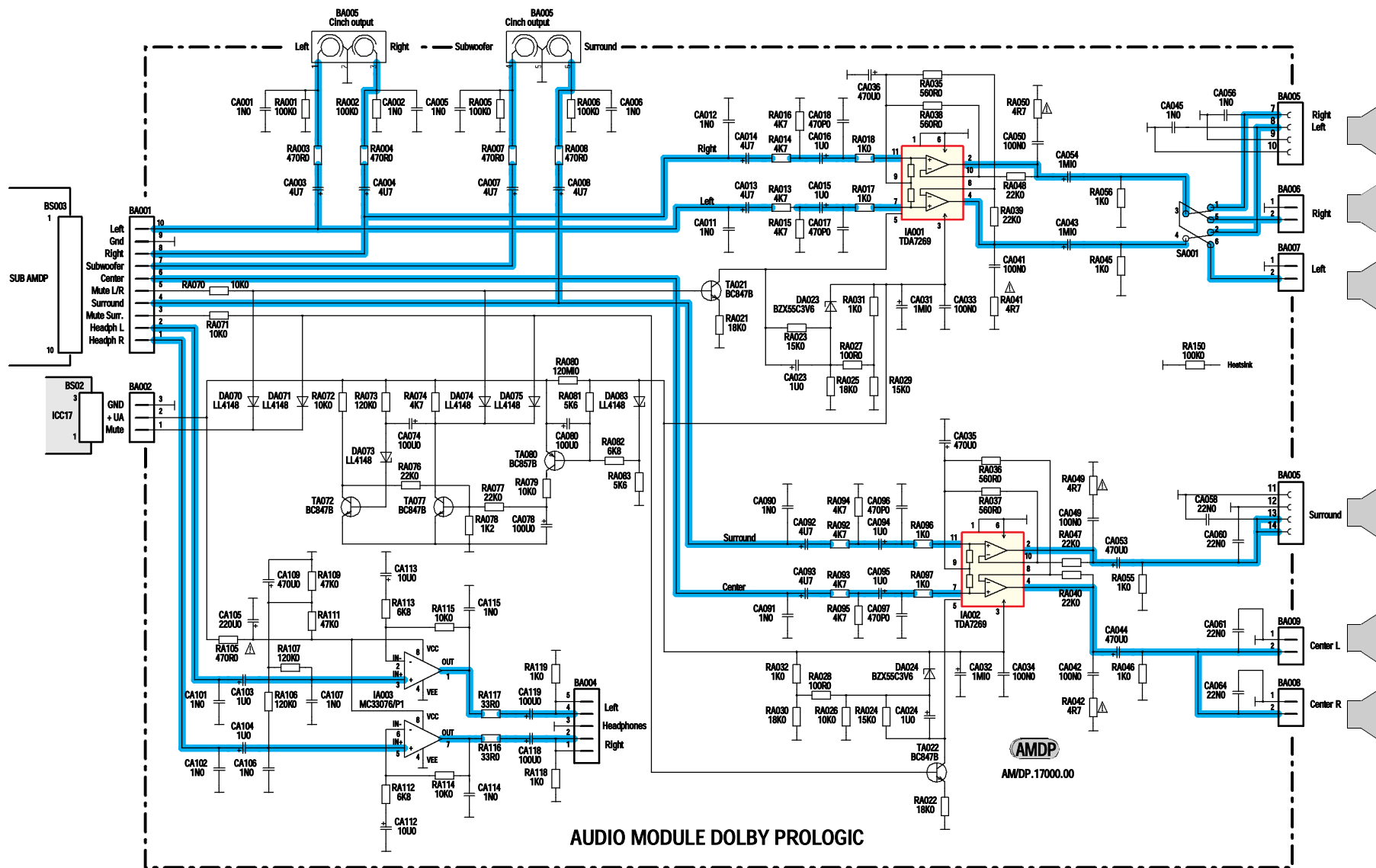


**AUDIO SIGNAL MODULE DOLBY PROLOGIC - MODULE AUDIO DOLBY PROLOGIC - DOLBY PROLOGIC VERSTÄRKER - MODULO AUDIO DOLBY PROLOGIC - ESQUEMA DEL MÓDULO AMPLIFICADOR DE AUDIO**

SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

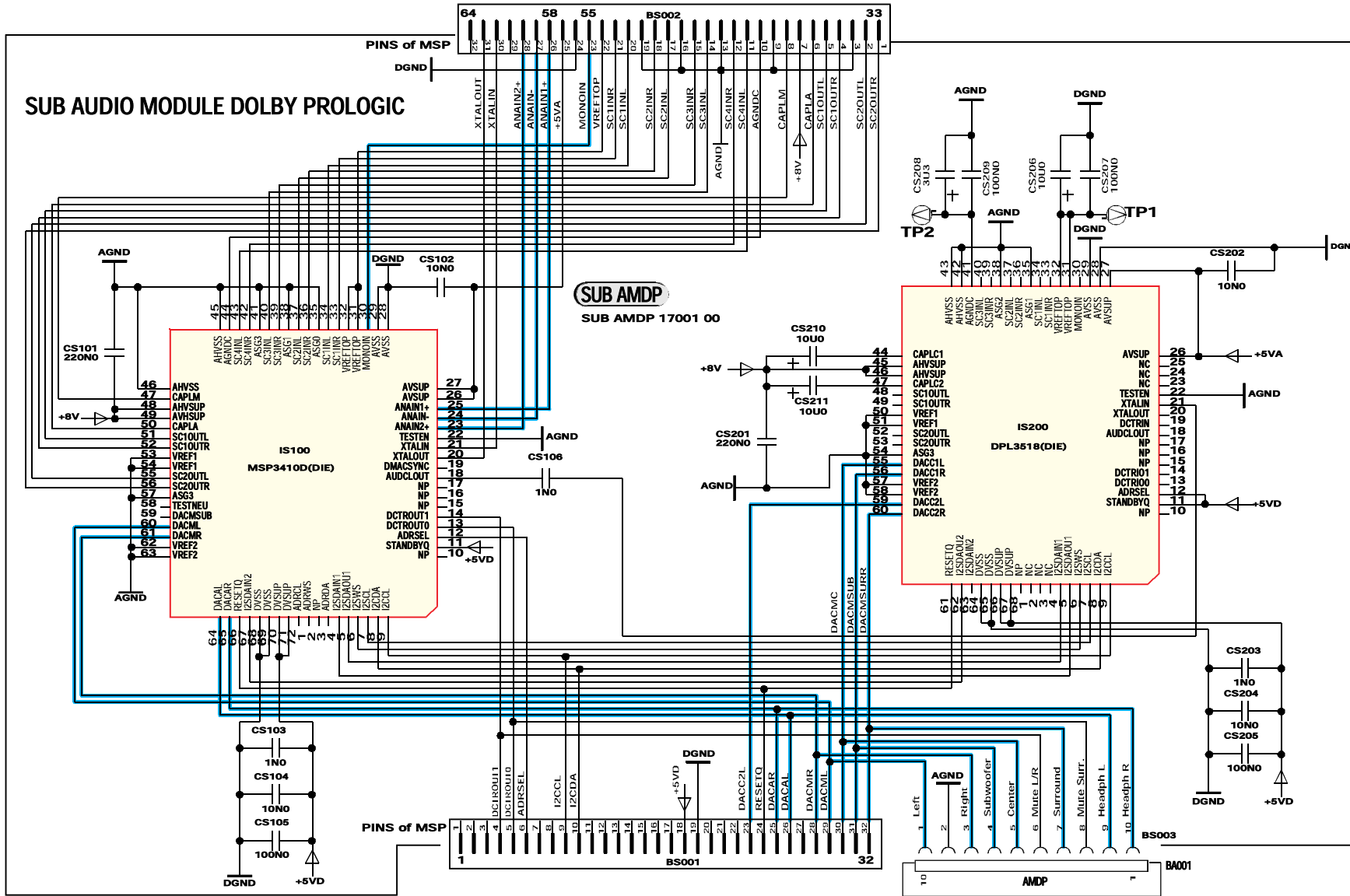


**AUDIO SIGNAL MODULE DOLBY PROLOGIC - MODULE AUDIO DOLBY PROLOGIC - DOLBY PROLOGIC VERSTÄRKER - MODULO AUDIO DOLBY PROLOGIC  
ESQUEMA DEL MÓDULO AMPLIFICADOR DE AUDIO**



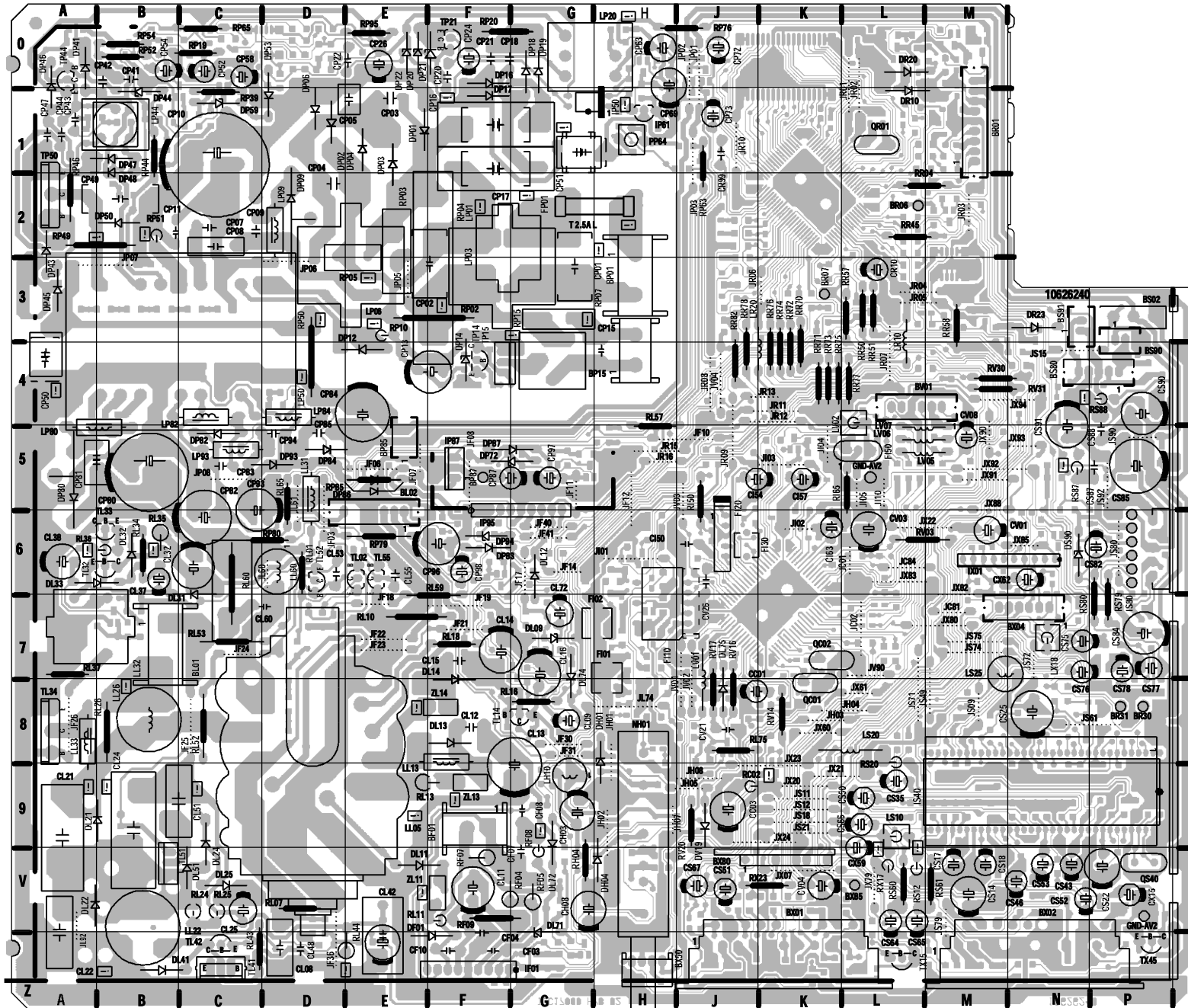
**AUDIO MODULE DOLBY PROLOGIC**

SUB AUDIO SIGNAL MODULE - SUB MODULE AUDIO - AUDIO SIGNAL SUBMODUL - SUB MODULO AUDIO



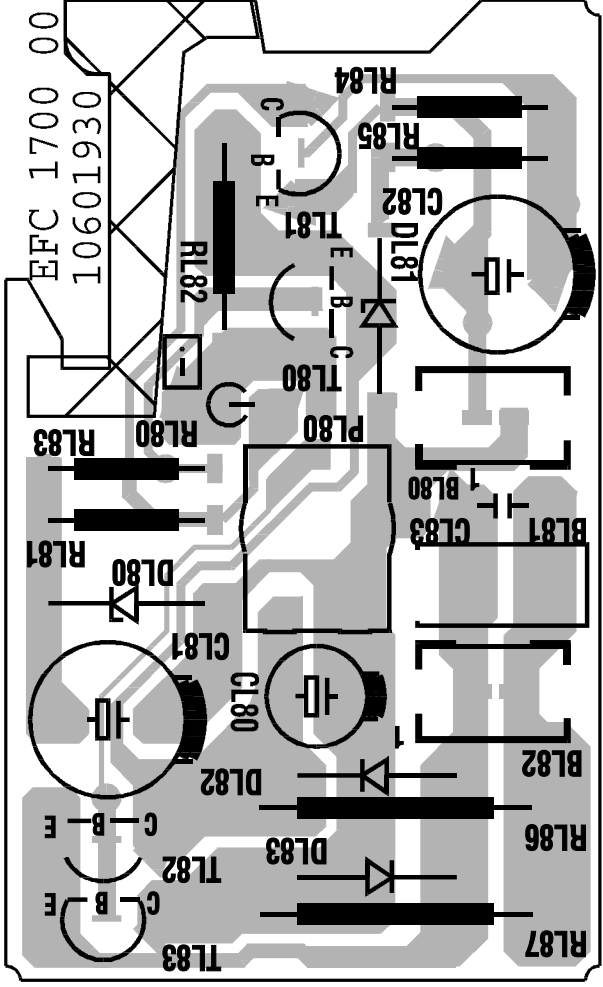


**MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL**  
**COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES**

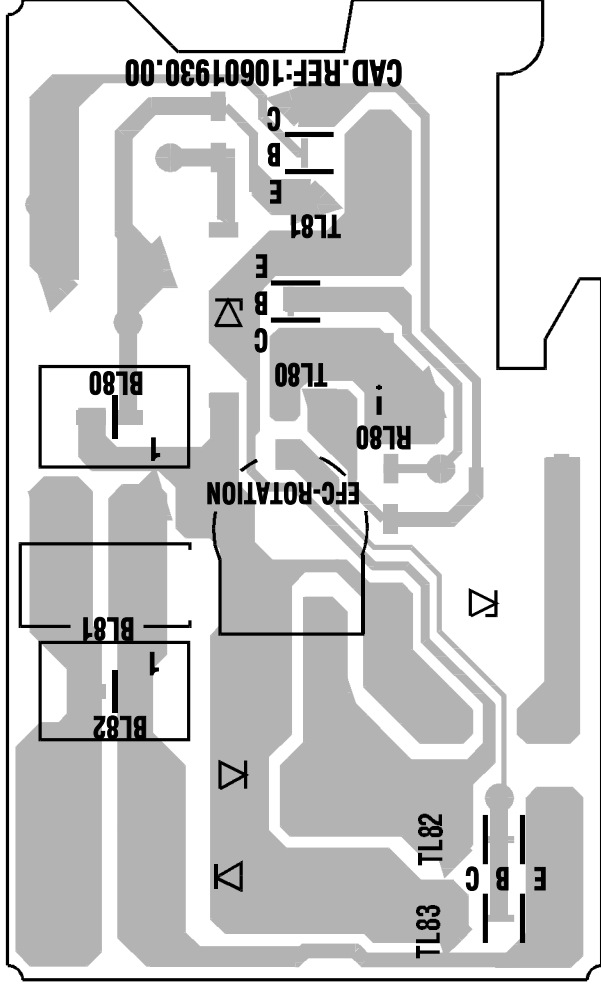


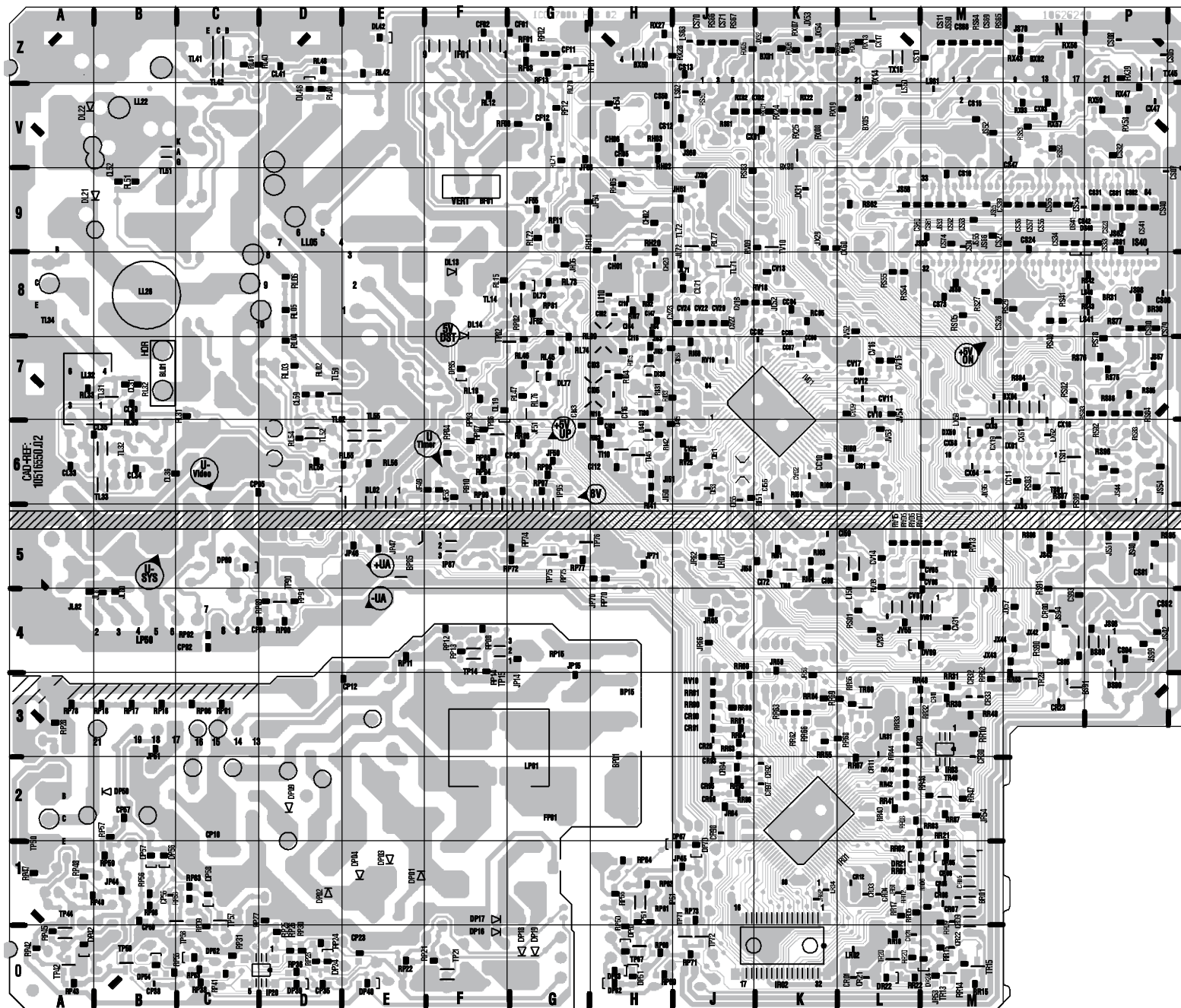
**EFC 17000**  
**EARTH-FIELD CORRECTION BOARD**

COMPONENT SIDE - CÔTÉ COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI  
 LADO COMPONENTES

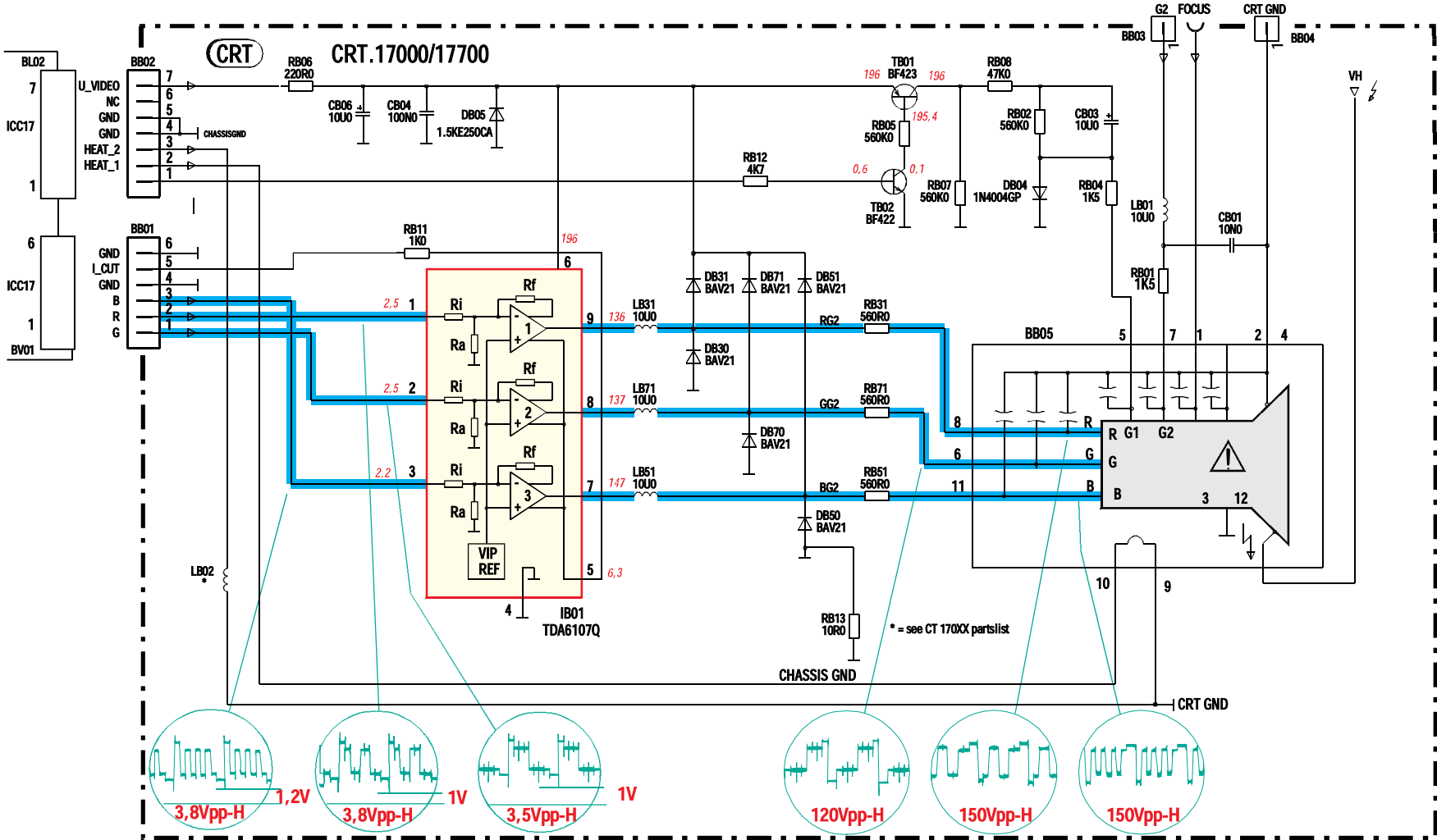


SOLDER SIDE - CÔTÉ SOUDURES - LÖTSEITE - LATO SOLDADURAS



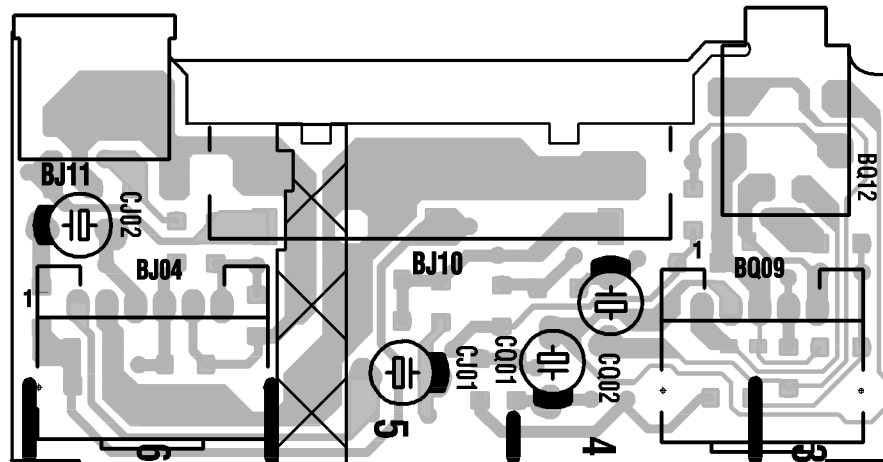


# VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE - PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO

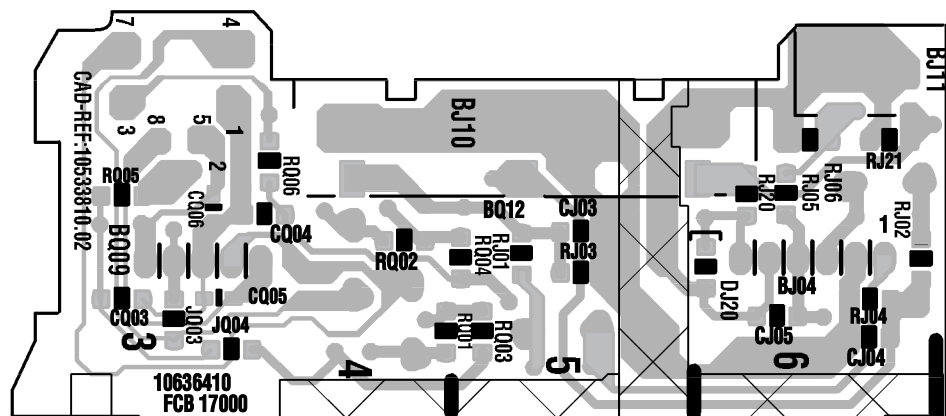


**FRONT CONNECTOR BOARD - PRISES EN FACADE - FRONT ANSCHLUSSPLATTE  
PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRRONTAL**

COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI  
LADO COMPONENTES

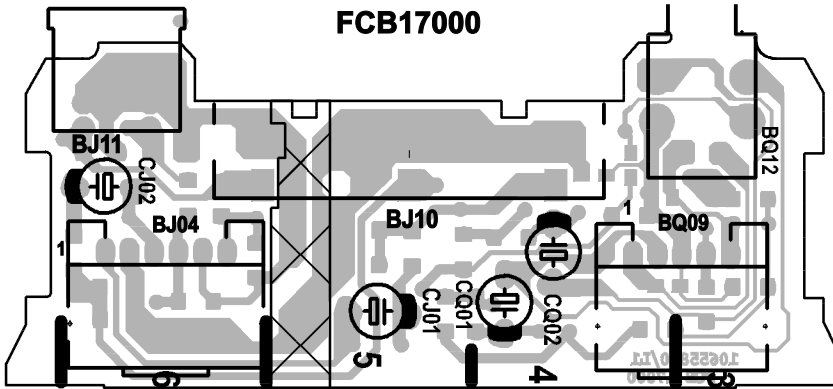


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

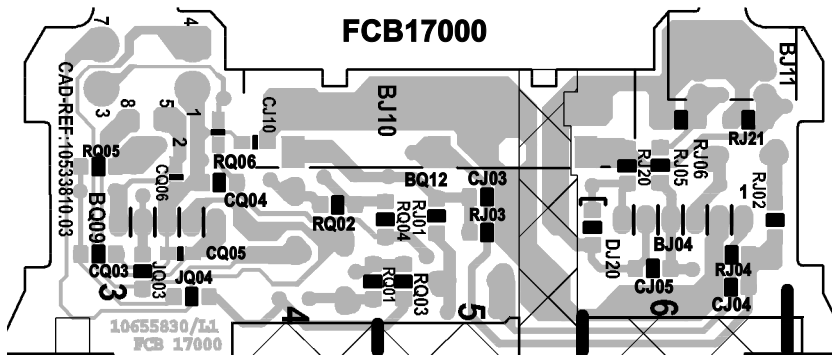


**FRONT CONNECTOR BOARD - MODULE PRISE EN FACADE ET INTERCONNEXION  
DU CLAVIER - FRONT ANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE  
PLATINA MONDOS FRONTAL**

COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE -  
LATO COMPONENTI - LADO COMPONENTES

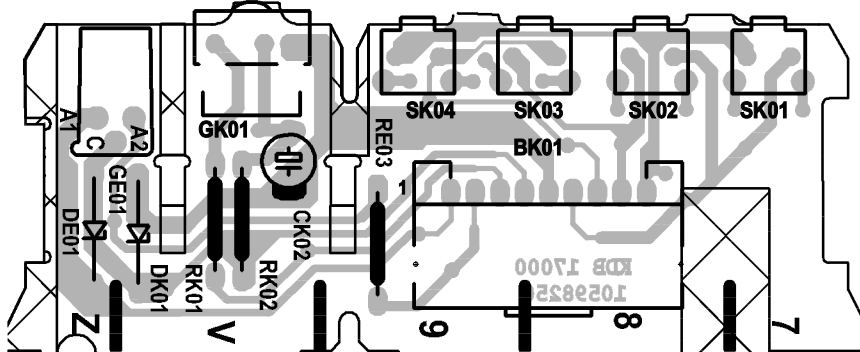


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

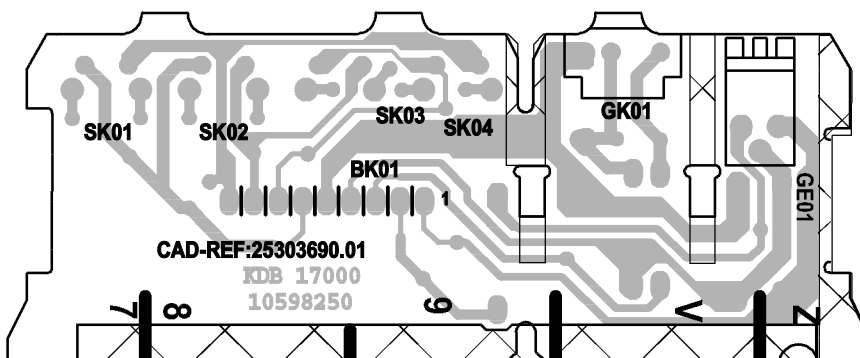


**KEYBOARD MODULE - PLATINE CLAVIER - BEDIENTEILPLATTE - PIASTRA COMANDI  
- PLATINA TECLADO**  
**KDB17000**

COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE -  
LATO COMPONENTI - LADO COMPONENTES

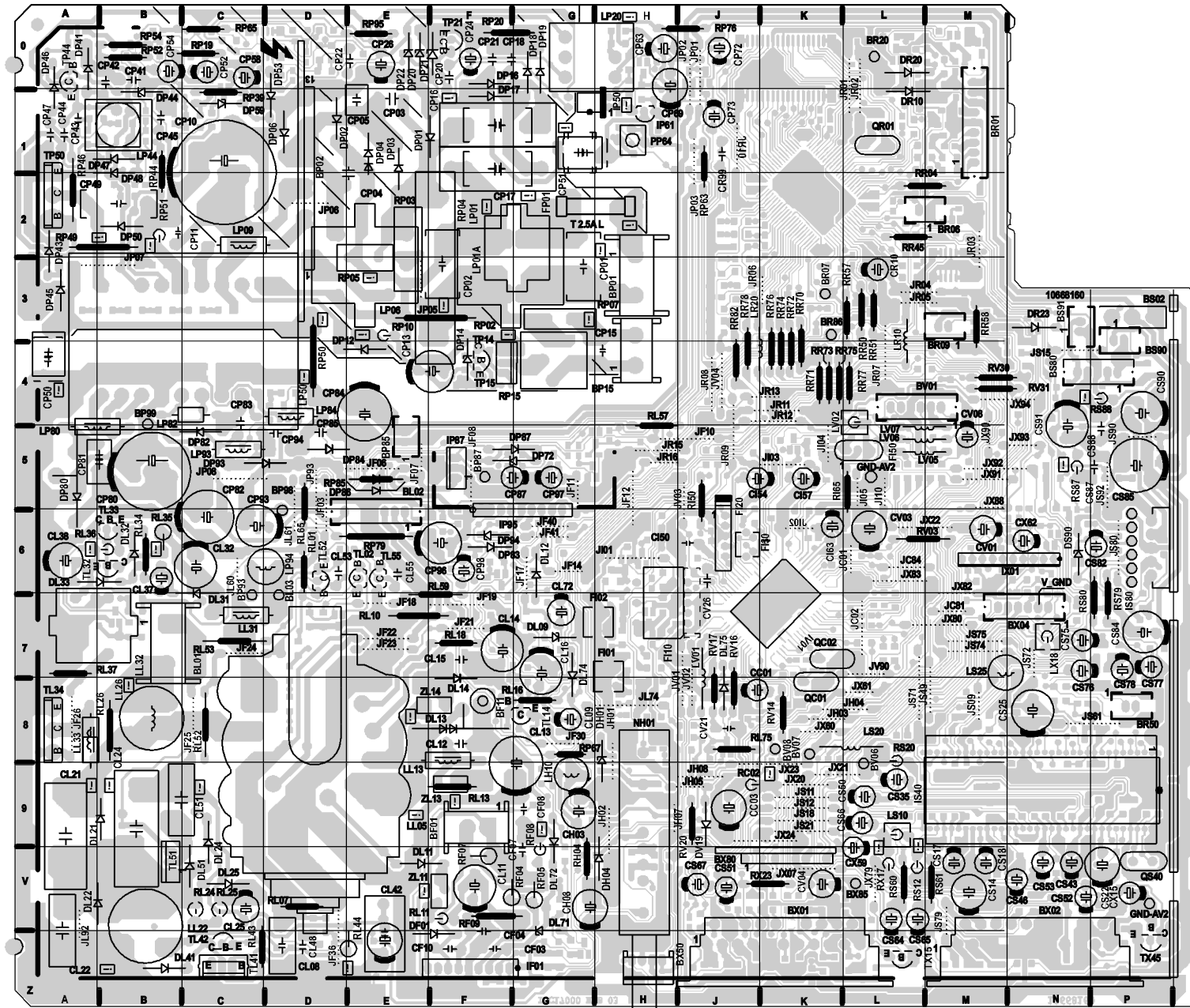


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

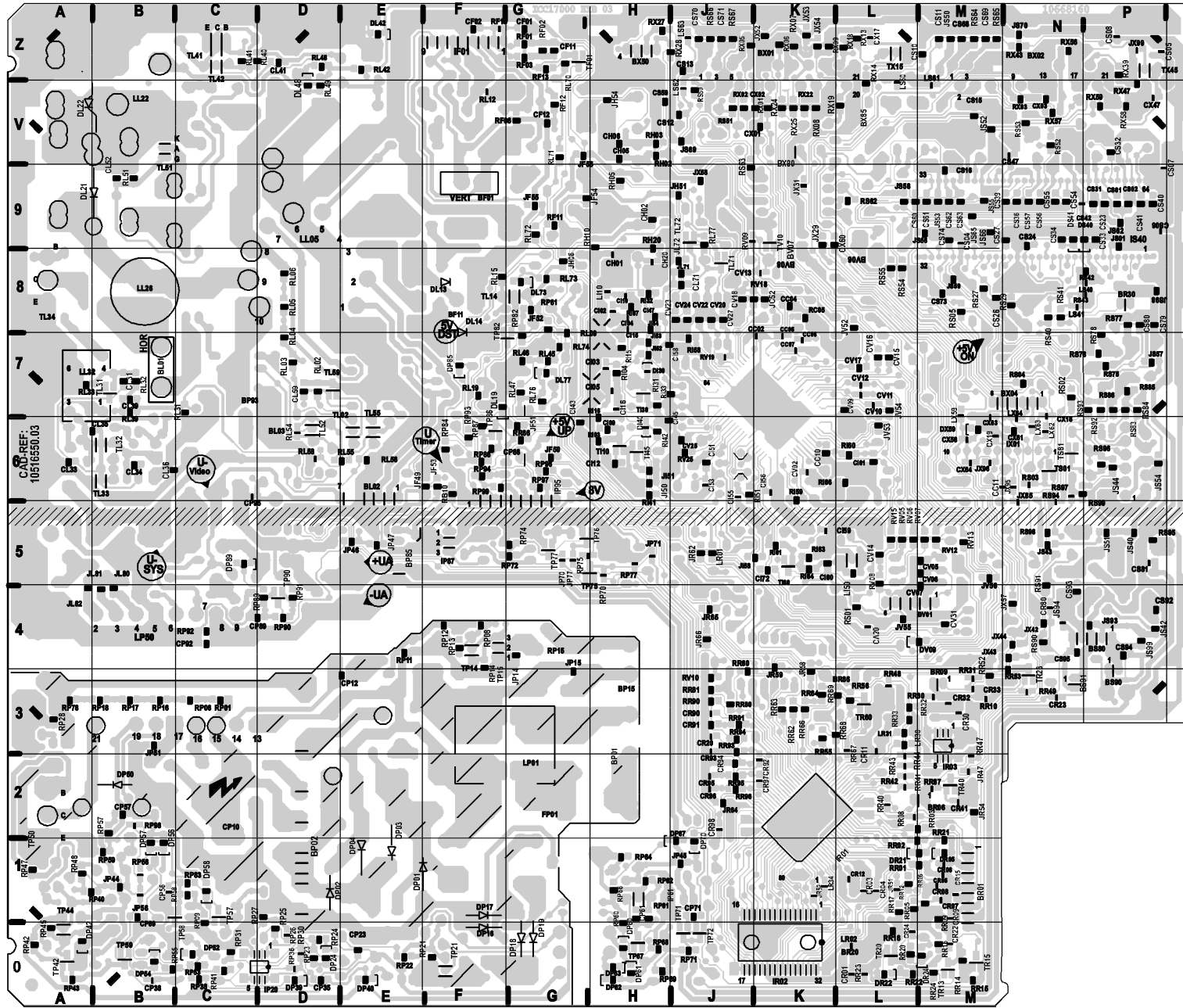




**MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL**  
**COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES**

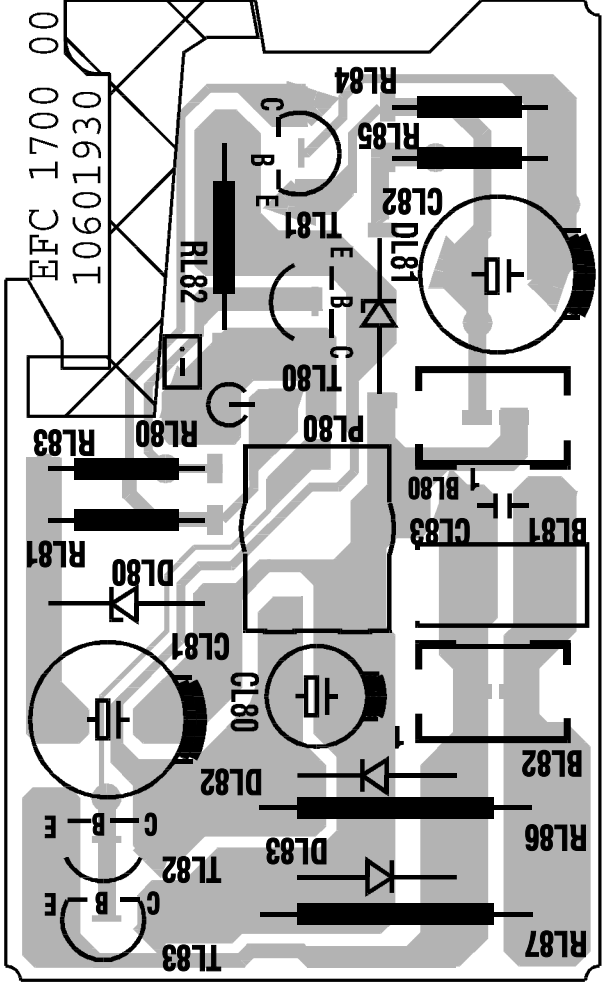


SOLDER SIDE - CÔTE SOUDURES - LÔTSEITE - LATO SALDATURE - LADO SOLDADURAS

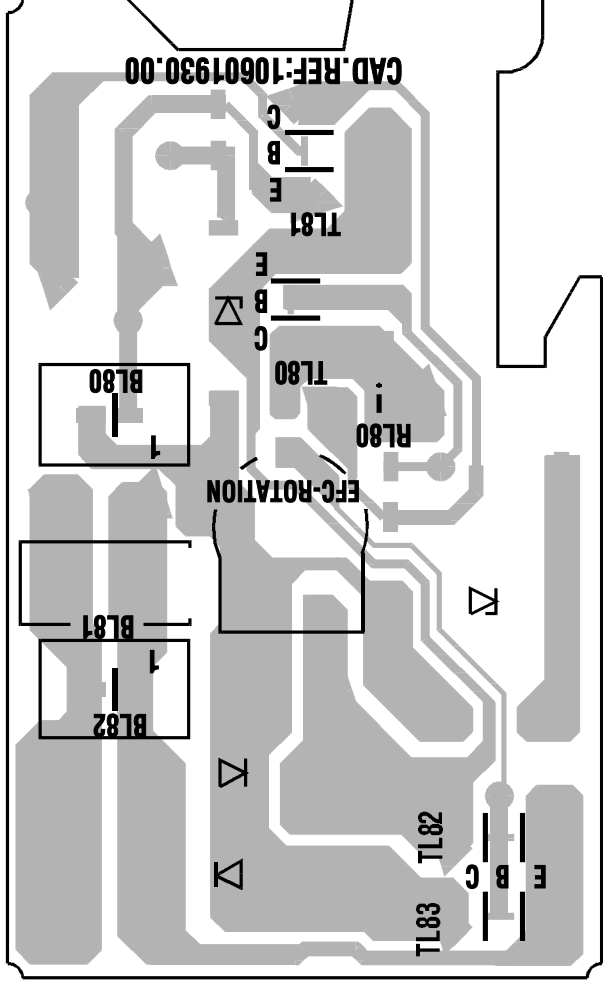


**EFC 17000**  
**EARTH-FIELD CORRECTION BOARD**

COMPONENT SIDE - CÔTÉ COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI  
 LADO COMPONENTES

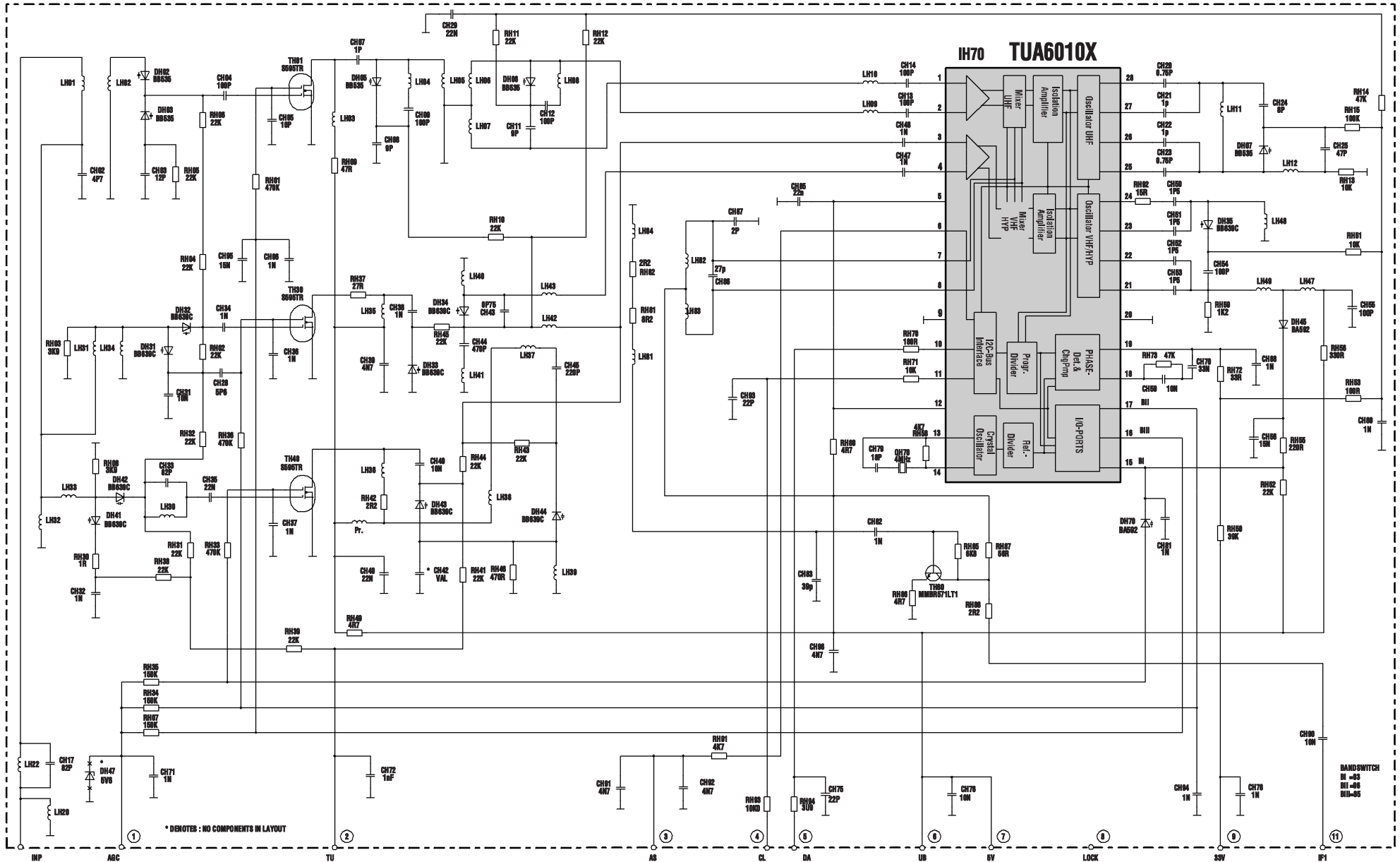


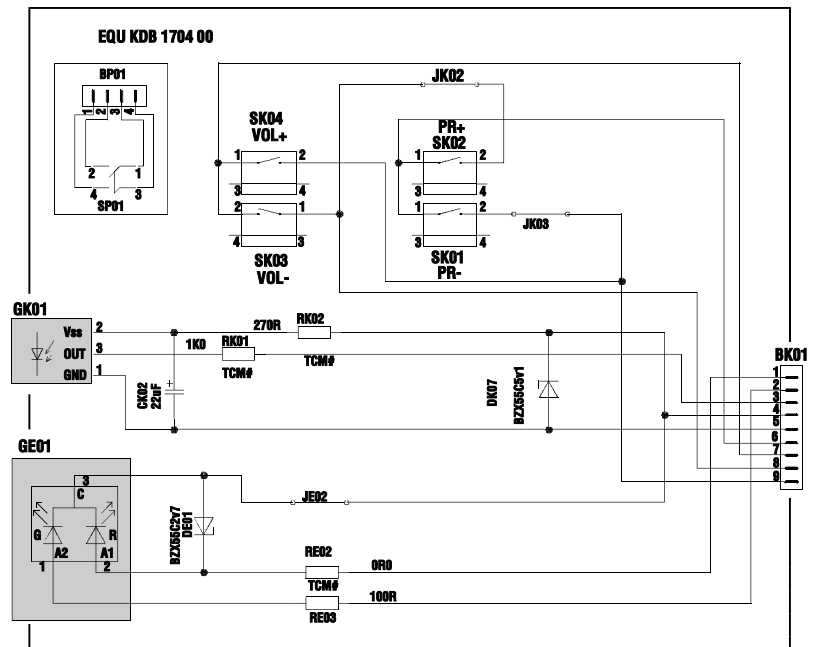
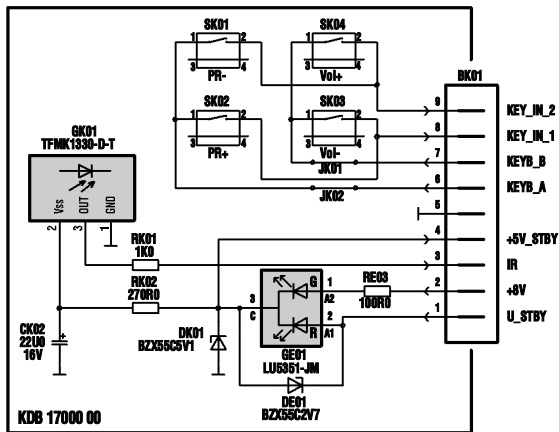
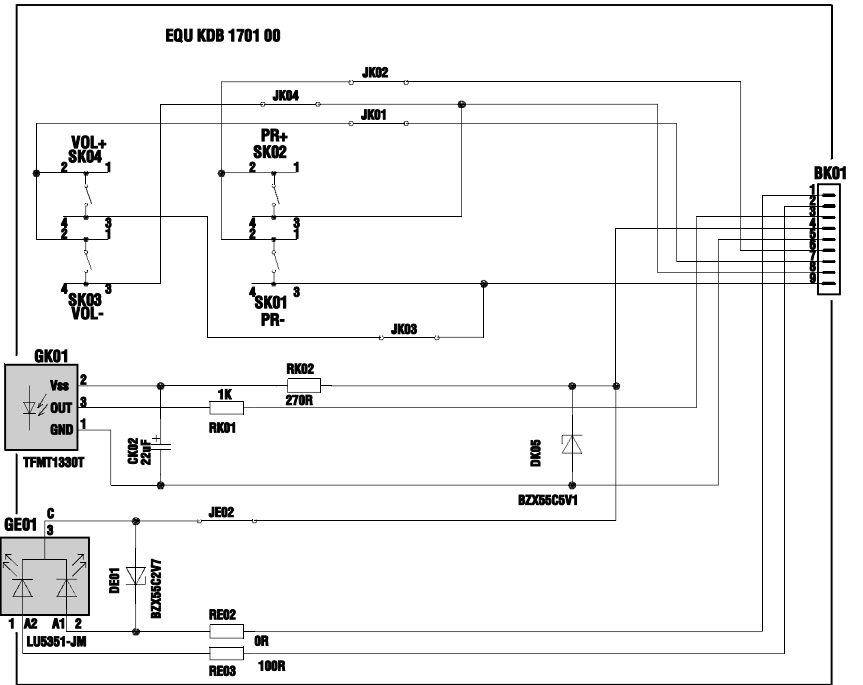
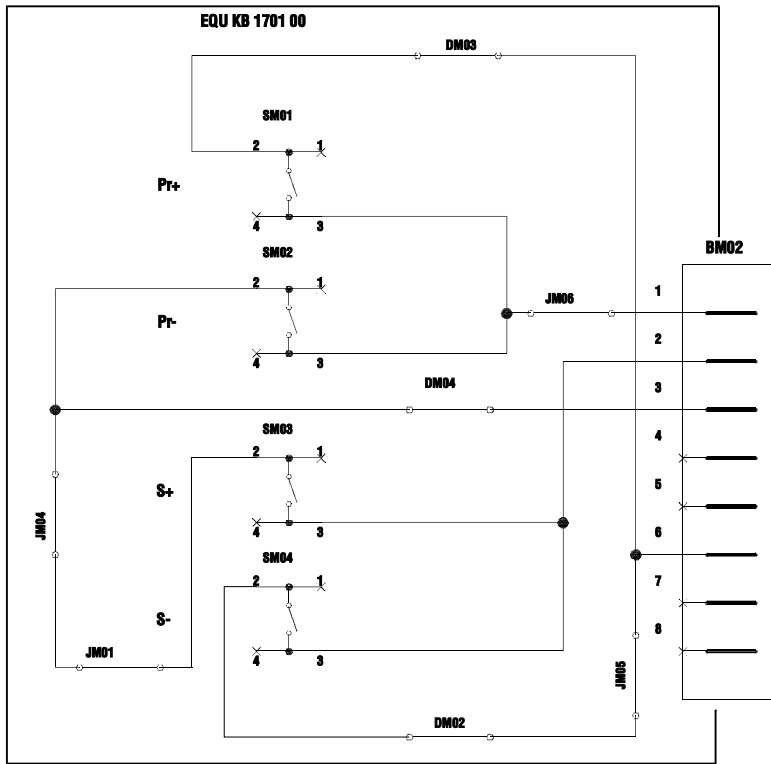
SOLDER SIDE - CÔTÉ SOUDURES - LÖTSEITE - LATO SOLDADURAS

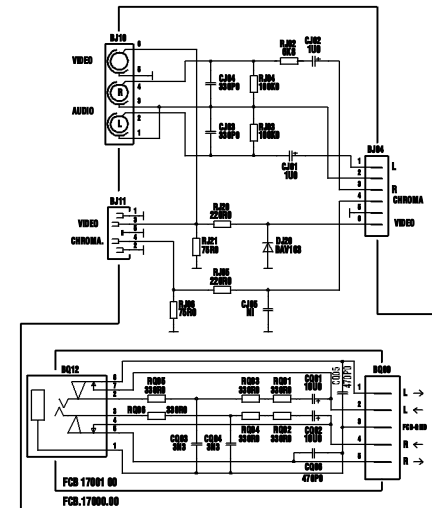
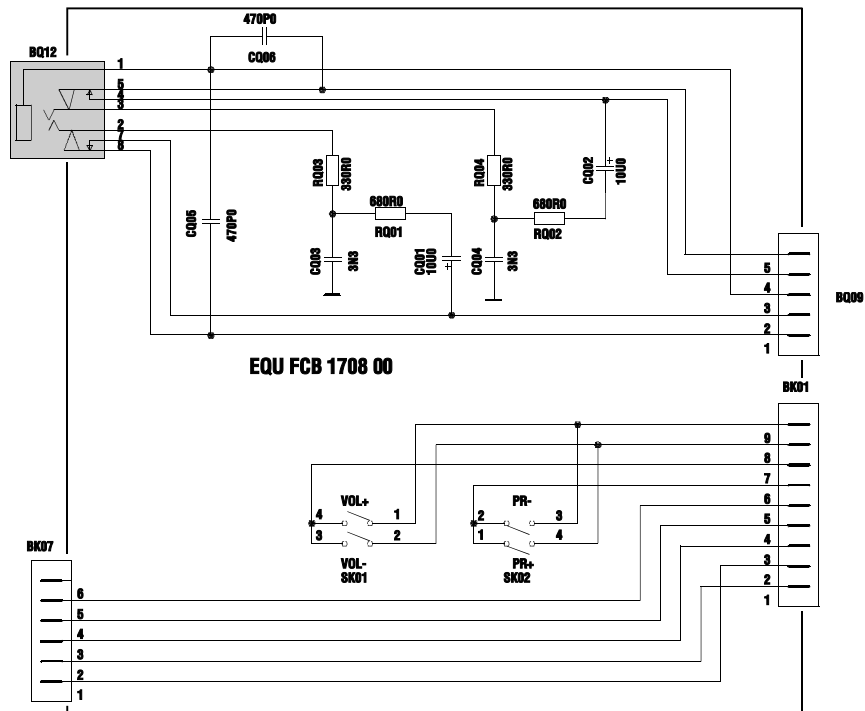
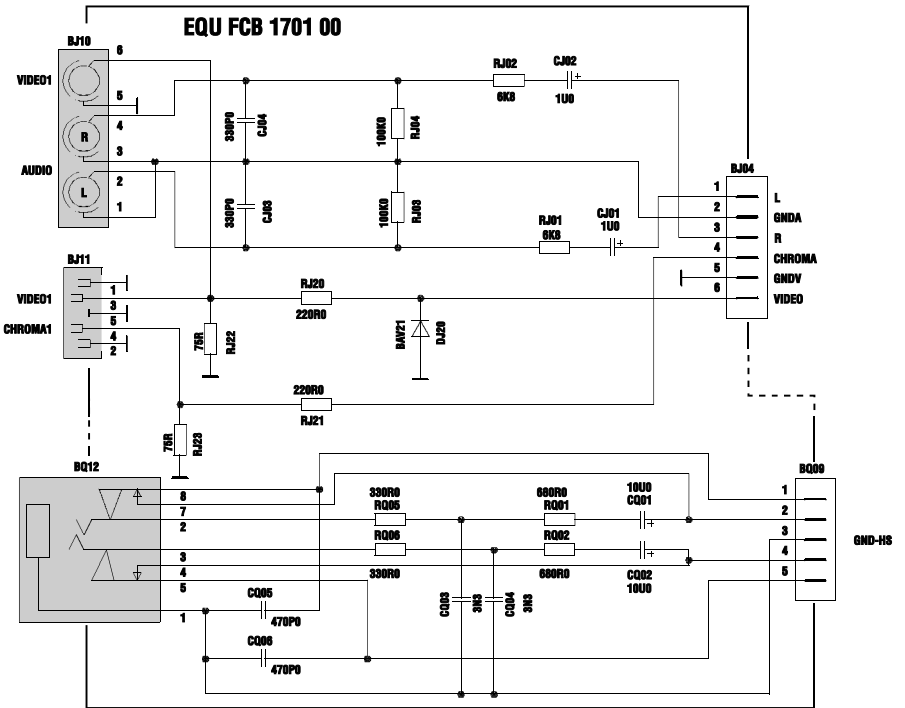
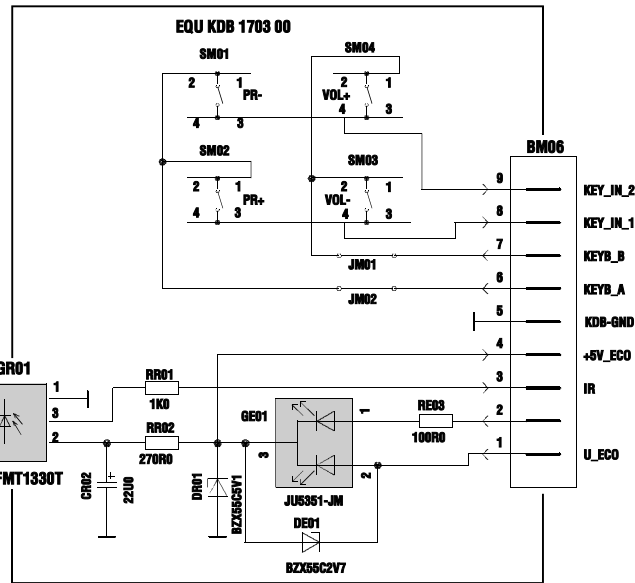


# VHF / UHF TUNER CTT5010

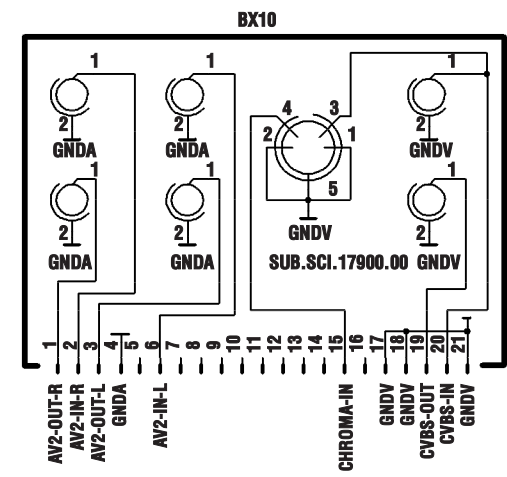
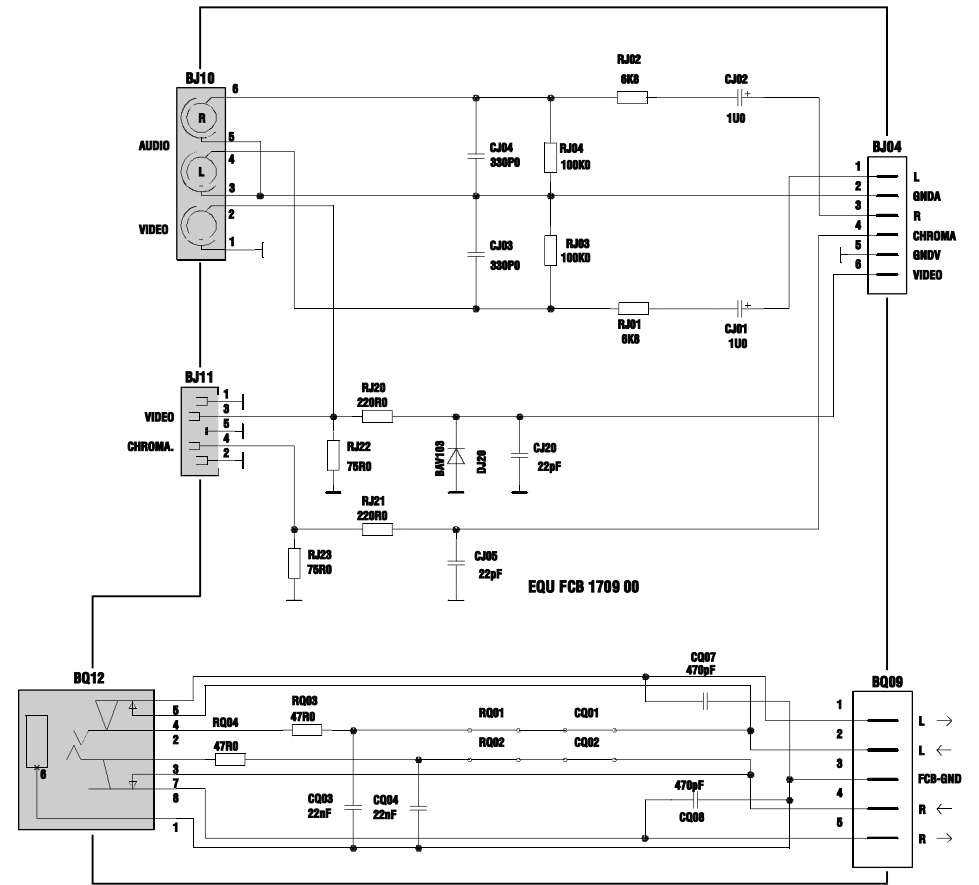
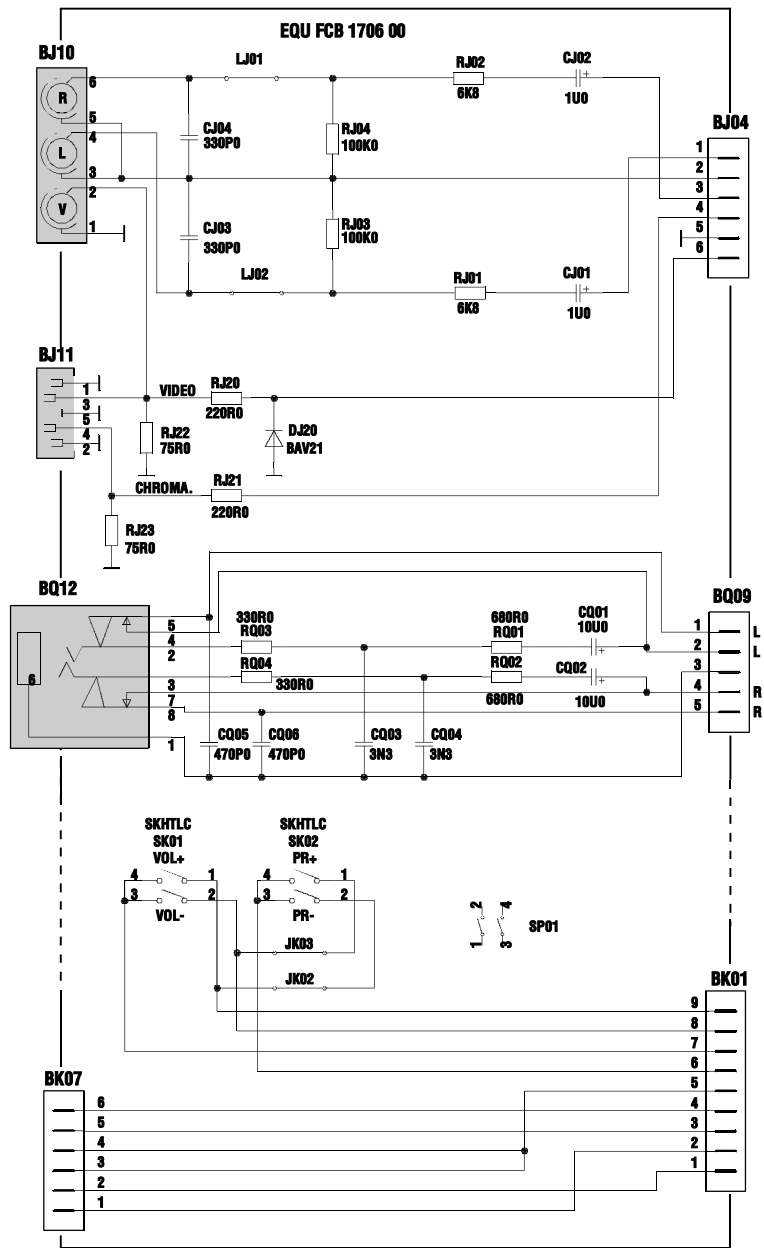
( For information only )

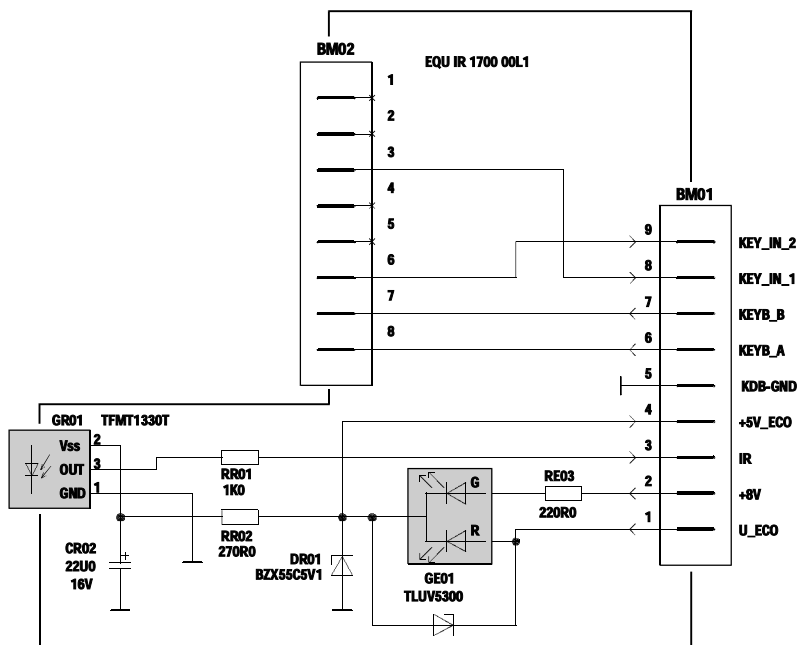
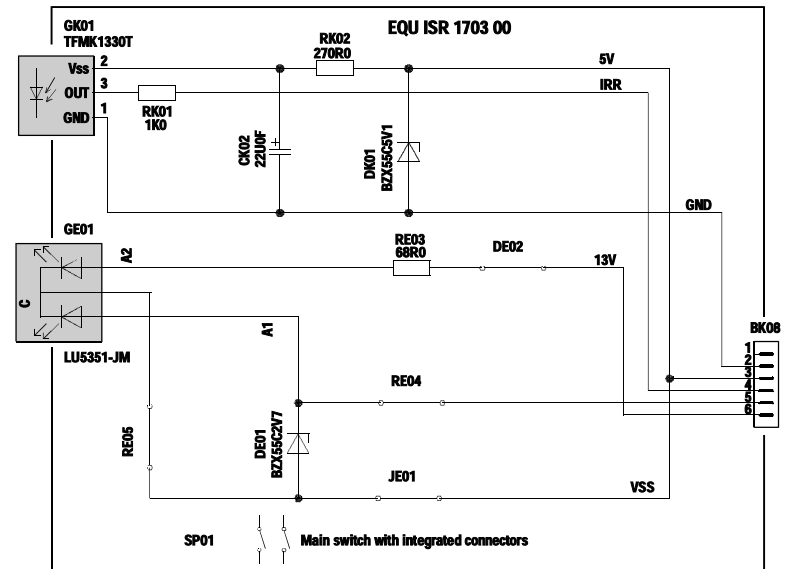
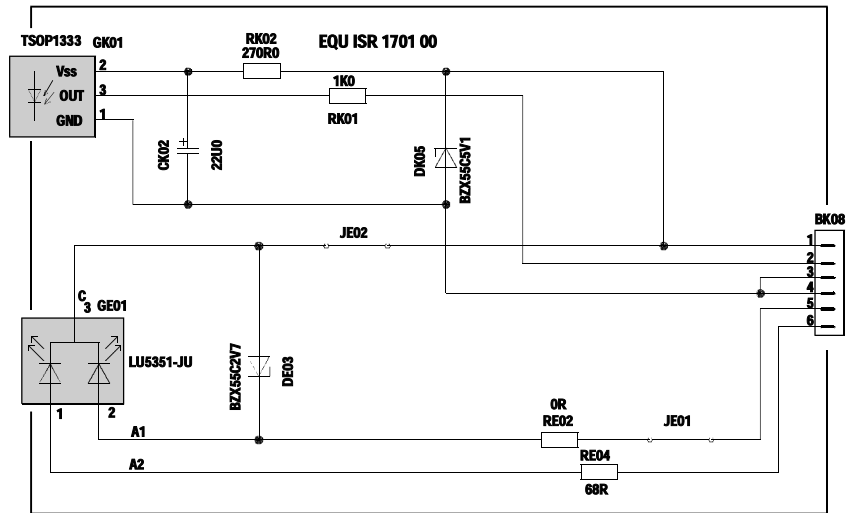










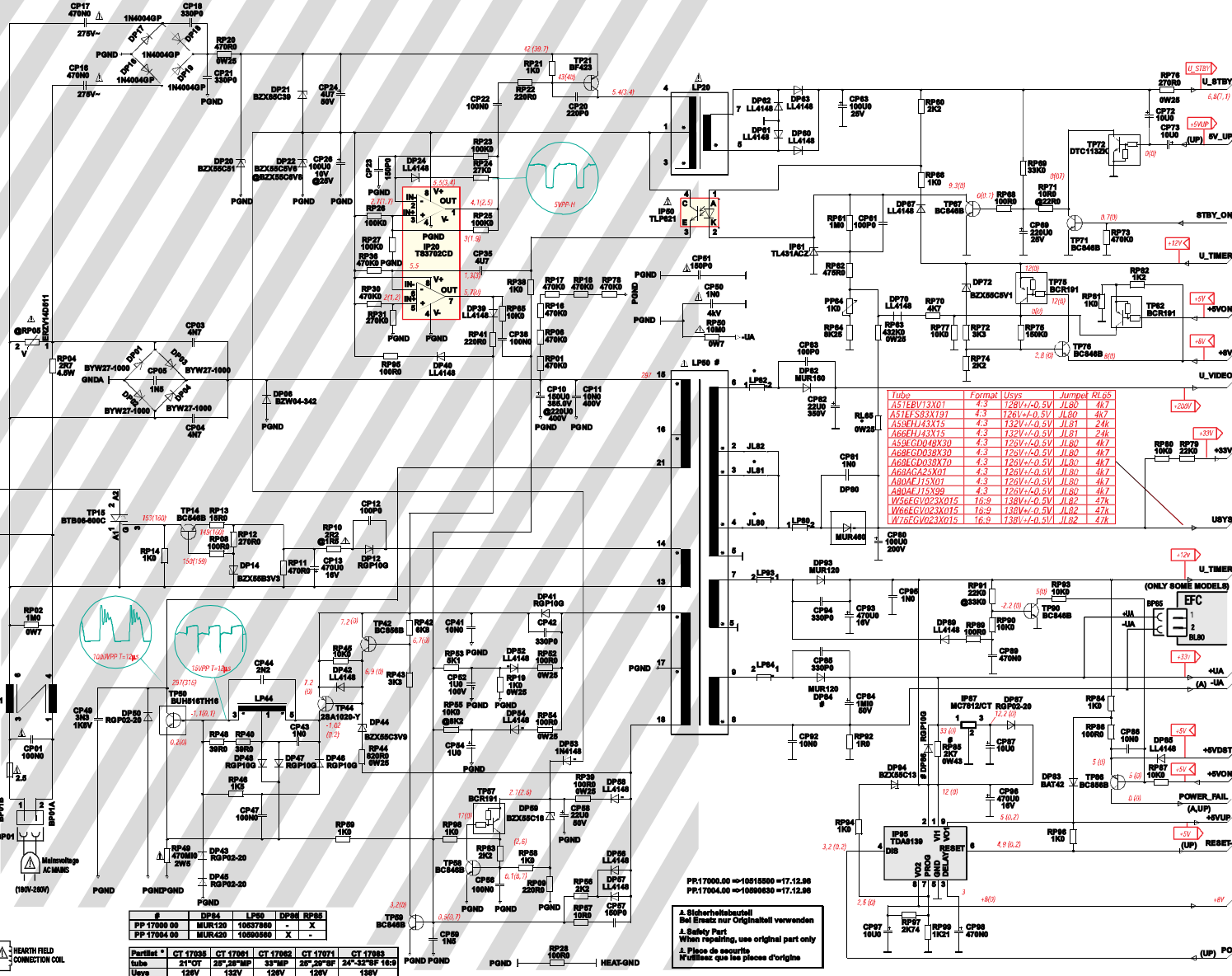
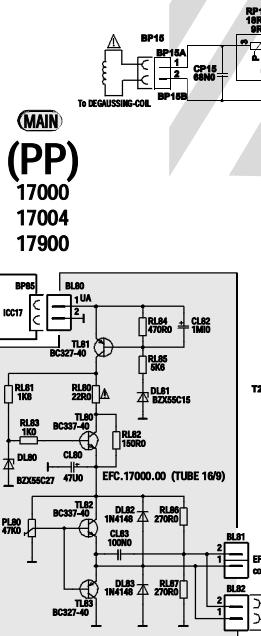


POWER SUPPLY - ALIMENTATION - NETZTEIL - ALIMENTAZIONE - ALIMENTACIÓN

(5) : standby

Note :  
 During measurements in the power supply unit  
 - Use the primary power unit ground (PGND)  
 Attention :  
 Mesure dans le bloc alimentation  
 - Utiliser la masse du bloc alimentation (PGND)  
 Achtung :  
 Bei Messungen im Primärnetzteil  
 - Primärnetzteilmasse verwenden (PGND)  
 Attenzione :  
 - misure nell'alimentatore primario  
 - usare massa alimentazione primario (PGND)  
 Cuidado :  
 Medida en el bloque de alimentación  
 - Utilizar la masa del bloque de alimentación (PGND).

Part of board connected to mains supply.  
 Partie du châssis reliée au secteur.  
 Primärseite des Netzteils.  
 Parte dello chassis collegata alla rete.  
 Parte del chassis conectar a la red.



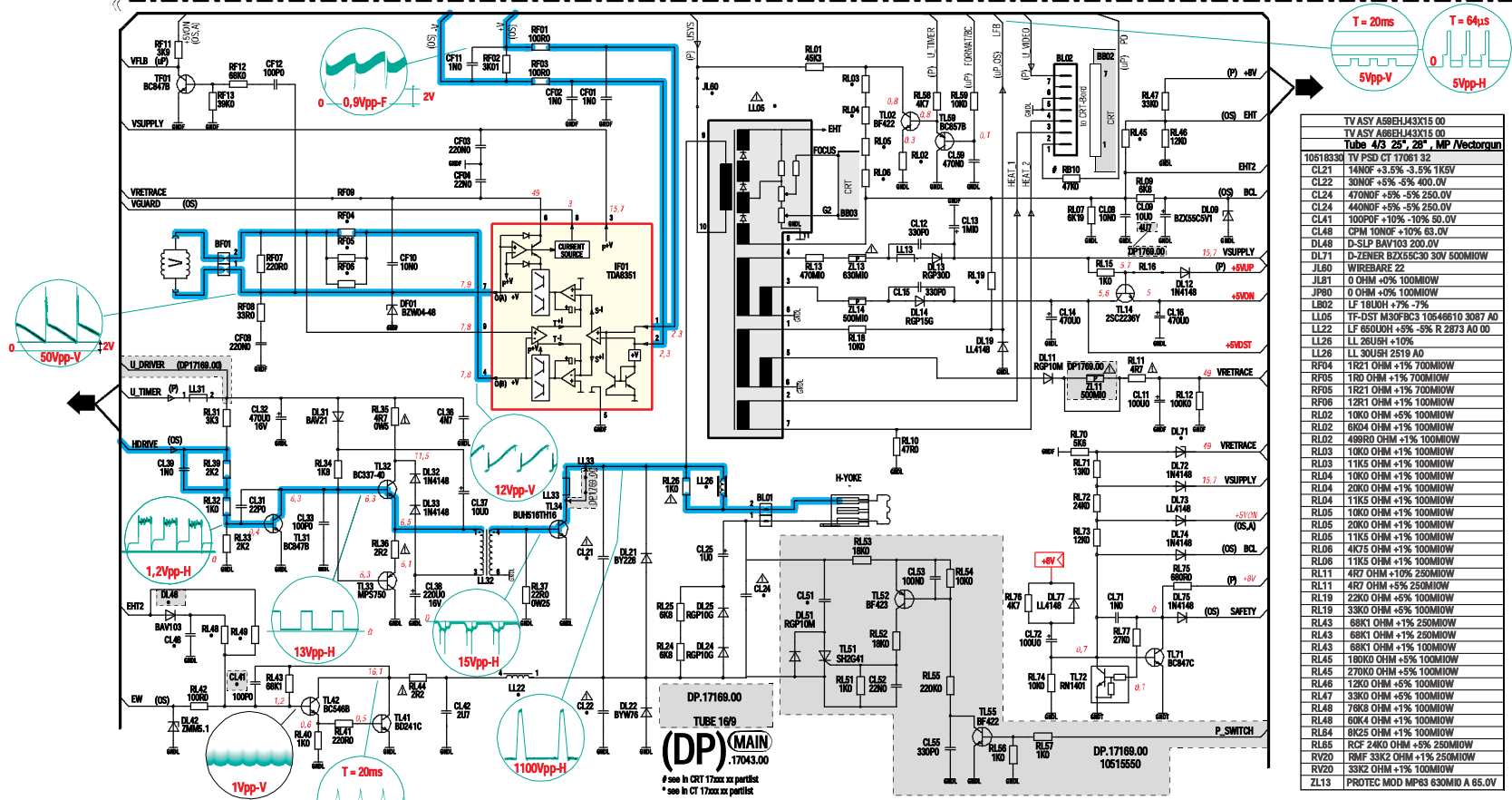
Tube	Format	Usys	Jumpet	RL65
A51EBV13X01	4.3	126V±0.5V	JL80	4K7
A51F533X191	4.3	126V±0.5V	JL80	4K7
A53FH133X15	4.3	132V±0.5V	JL81	24K
A53FGD048X30	4.3	120V±0.5V	JL80	4K7
A68GD038X30	4.3	120V±0.5V	JL80	4K7
A68GD033X70	4.3	120V±0.5V	JL80	4K7
A68GA24X01	4.3	120V±0.5V	JL80	4K7
A68AF13X01	4.3	120V±0.5V	JL80	4K7
A68AF133399	4.3	120V±0.5V	JL80	4K7
W56EGV023X015	16.9	138V±0.5V	JL82	47K
W76EGV023X015	16.9	138V±0.5V	JL82	47K

Partlist	CT 17038	CT 17081	CT 17093	CT 17071	CT 17093
Tube	24CT	28P/28MP	33MP	25P/25MP	24P/24MP 16.9
Usys	126V	132V	126V	126V	138V
JL80-82	JL80	JL81	JL80	JL80	JL82
RL65	4K7	24K	4K7	4K7	47K

PP:17000.00 =>10515500 =17.12.86  
 PP:17004.00 =>10509030 =17.12.86

! Sicherheitsbeurteil  
 Bei Ersatz nur Originalteil verwenden  
 ! Safety Part  
 When repairing, use original part only  
 ! Piece de sécurité  
 N'utilisez que les pièces d'origine

SCANNING - BALAYAGE - ABLENKUNG - BARRIDO - SCANSIONE



△ Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be guaranteed.

Le remplacement des éléments de sécurité (repérés avec le symbole △) par des composants non homologués selon la Norme CEI 65 entraîne la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol △ gekennzeichnet) durch nicht normgerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (contrassegnati con il segno △) con componenti non omologati secondo la norma CEI 65 comporta la non conformità dell'apparecchio. In tal caso é "esclusa la responsabilità" del costruttore.

La substitución de elementos de seguridad (marcados con el símbolo △) por componentes no homologados según la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

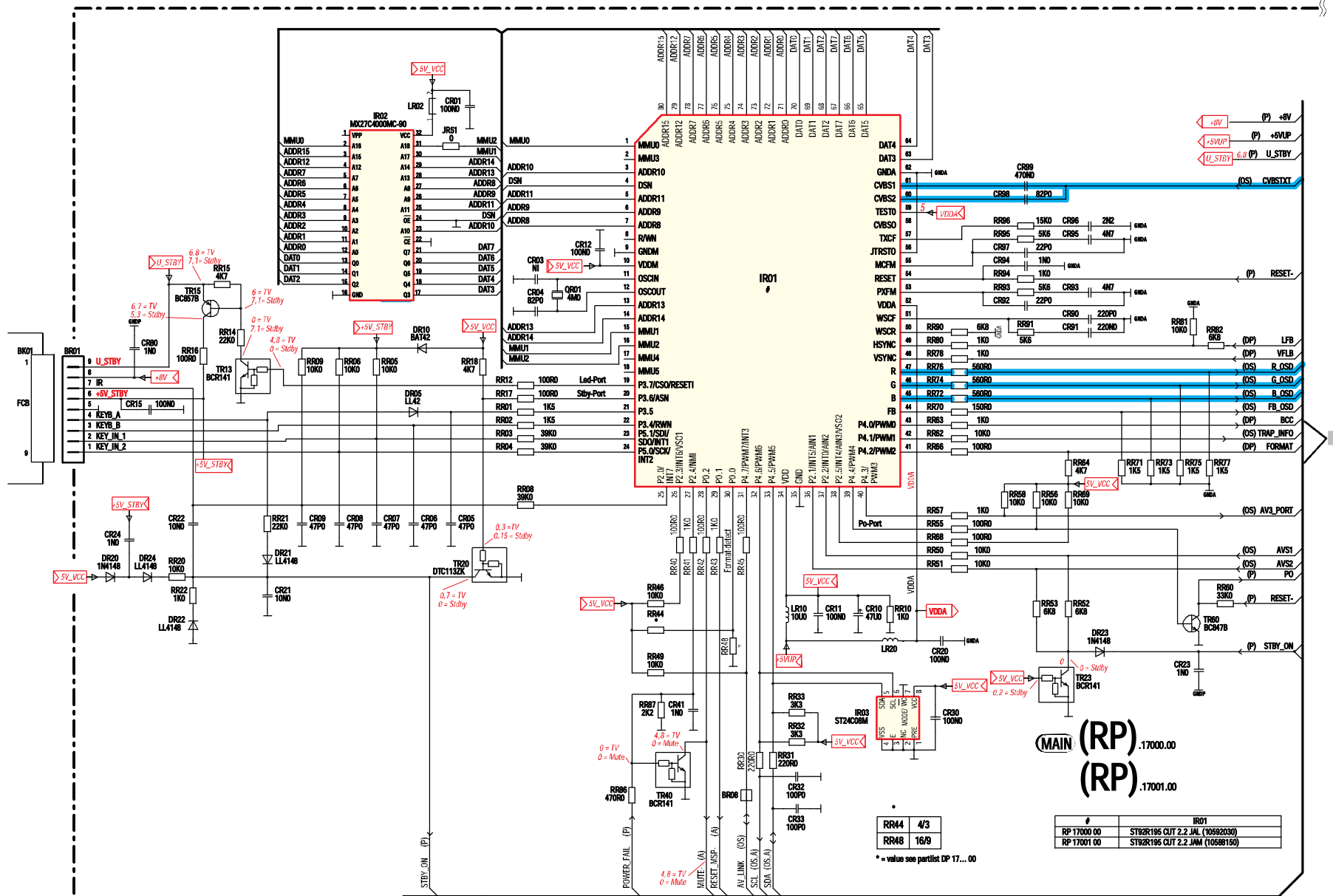
TV ASY A80AE15X01 (A) 00	
Tube 4/3 33' MP	
10575830	TV PSD CT 17062 26
CL21	16N2F +3.5% -3.5% 1K5V
CL22	30NOF +5% -5% 400.0V
CL24	560NOF +5% -5% 250.0V
CL41	100POF +10% -10% 50.0V
CL48	10NOF +10% 63.0V
CL49	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C24 24V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 32UOH +4% -4%
LL05	TF-DST TDS29 T8D T1
LL22	LF 650UOH +5% -5% R 2873 A0 00
LL26	LL 28U5H +10%
RF05	1R21 OHM +1% 700M10W
RF06	10R0 OHM +1% 100M10W
RF08	12R1 OHM +1% 100M10W
RL02	6K04 OHM +1% 100M10W
RL03	4K75 OHM +1% 100M10W
RL04	4K75 OHM +1% 100M10W
RL05	4K75 OHM +1% 100M10W
RL06	8K40 OHM +1% 100M10W
RL19	33K2 OHM +1% 250M10W
RL45	150K0 OHM +5% 100M10W
RL48	76K8 OHM +1% 100M10W
RL49	56K0 OHM +5% 100M10W
RL65	RCF 4K7 OHM +5% 250M10W
RV20	RNF 23K2 OHM +1% 250M10W

TV ASY A51EFS83X191 03	
Tube 4/3 21' 01	
10556770	TV PSD CT 17035 26
CL21	16N2F +3.5% -3.5% 1K5V
CL22	33NOF +5% -5% 1K0V
CL24	440NOF +5% -5% 250.0V
CL41	10NOF +10% -10% 50.0V
CL48	10NOF +10% 63.0V
CL49	0 OHM +0% 100M10W
DL71	D-ZENER BZX55C24 24V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 18UOH +7% -7%
LL05	TF-DST M30FBC3 10556640 3087 A0
LL22	LF 650UOH +5% -5% R 2873 A0 00
LL26	LL 85UOH 2519 A0
RF05	1R8 OHM +1% 700M10W
RF06	10R0 OHM +1% 100M10W
RF08	12R1 OHM +1% 100M10W
RL02	6K04 OHM +1% 100M10W
RL03	4K75 OHM +1% 100M10W
RL04	10K0 OHM +1% 100M10W
RL05	10K0 OHM +1% 100M10W
RL06	3K32 OHM +1% 100M10W
RL45	110K0 OHM +5% 100M10W
RL49	60K4 OHM +1% 100M10W
RL65	4K7 OHM +5% 250M10W
RV20	23K7 OHM +1% 250M10W

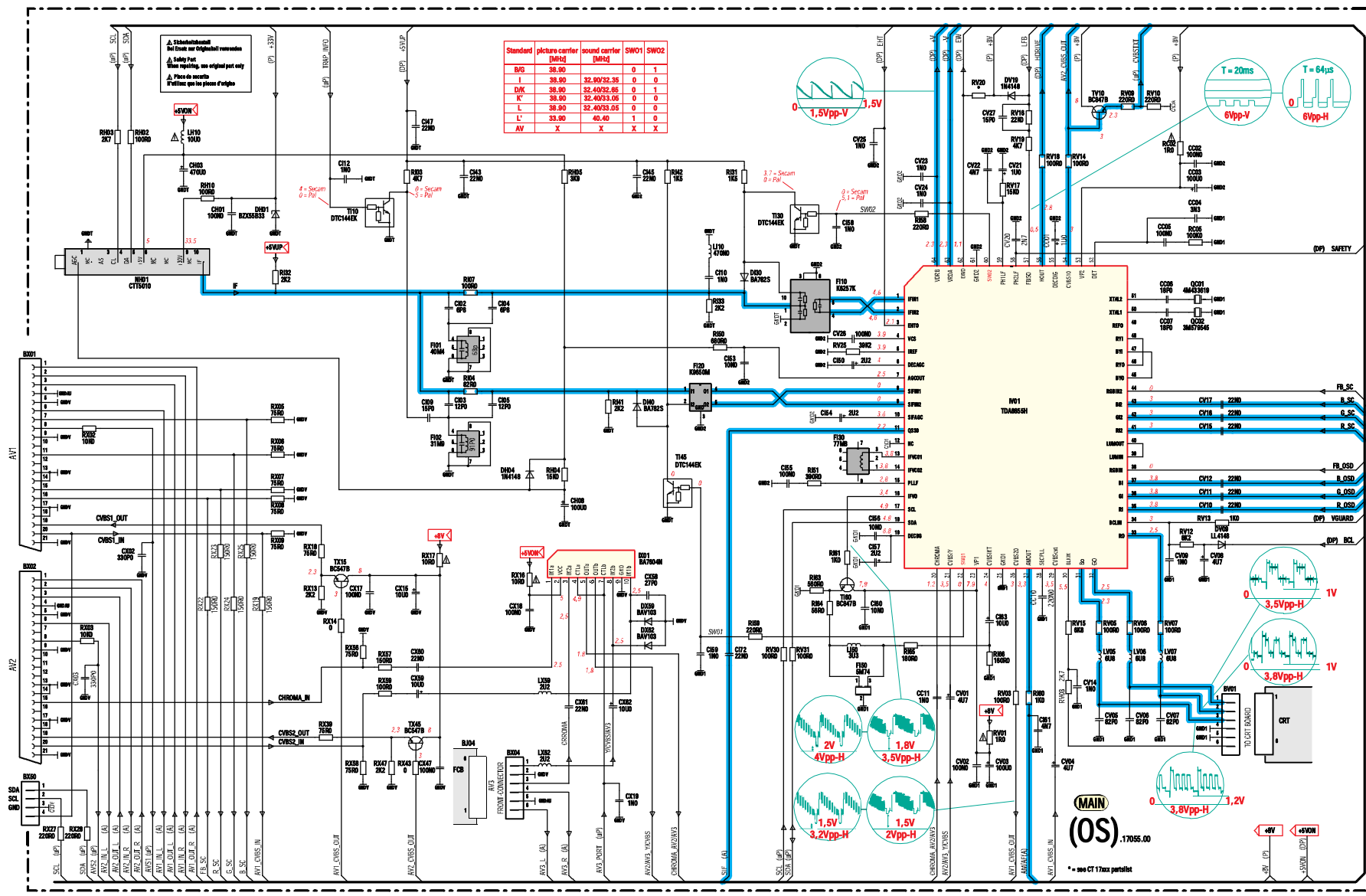
TV ASY A89EGD048X30 19	
TV ASY A89EGD038X30 (A) 68 00	
Tube 4/3 25' SF 29' SF	
10515620	TV PSD CT 17071 26
CL21	16N2F +3.5% -3.5% 1K5V
CL22	30NOF +5% -5% 400.0V
CL24	510NOF +5% -5% 250.0V
CL41	100POF +10% -10% 50.0V
CL48	10NOF +10% 63.0V
CL49	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 32UOH +4% -4%
LL05	TF-DST TDS29 T8D T3
LL22	LF 650UOH +5% -5%
LL26	LL 28U5H +10%
RF05	RNF 1R0 OHM +1% 700M10W
RF06	6K8 OHM +5% 100M10W
RF08	1R21 OHM +1% 100M10W
RL02	4K75 OHM +1% 100M10W
RL03	4K75 OHM +1% 100M10W
RL04	4K75 OHM +1% 100M10W
RL05	4K75 OHM +1% 100M10W
RL06	8K40 OHM +1% 100M10W
RL19	15K0 OHM +5% 100M10W
RL45	180K0 OHM +5% 100M10W
RL48	10K0 OHM +5% 100M10W
RL49	30K0 OHM +5% 100M10W
RL65	4K7 OHM +5% 250M10W
RV20	33K2 OHM +1% 250M10W

TV ASY W86GV0230X15 86 01	
TV ASY W86GV0230X15 86 00	
Tube 16/9 24' 28' 32' SF / vecorgun	
10515630	TV PSD CT 17083 38
CL21	15N5F +3.5% -3.5% 1K5V
CL22	27NOF +5% -5% 400.0V
CL24	440NOF +5% -5% 250.0V
CL41	100POF +10% -10% 50.0V
CL48	10NOF +10% 63.0V
CL49	D-SLP BAV103 200.0V
CL51	D-ZENER BZX55C24 24V 500M10W
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C24 24V 500M10W
JL60	WIREBARE 22
JL80	0 OHM +0% 100M10W
LB02	LF 32UOH +4% -4%
LL02	LF 32UOH +4% -4%
LL05	TF-DST TDS29 154460 10
LL22	LF 650UOH +5% -5%
LL26	LL 30U5H 2519 A0
RF05	1R21 OHM +1% 700M10W
RF06	4K98 OHM +1% 100M10W
RF08	8K40 OHM +1% 100M10W
RL02	6K8 OHM +1% 100M10W
RL03	8K40 OHM +1% 100M10W
RL04	8K40 OHM +1% 100M10W
RL05	8K40 OHM +1% 100M10W
RL06	2K37 OHM +1% 100M10W
RL19	13K0 OHM +5% 100M10W
RL45	38K0 OHM +5% 100M10W
RL48	22K0 OHM +5% 100M10W
RL49	18K0 OHM +5% 100M10W
RL65	47K0 OHM +5% 250M10W
RV20	10K0 OHM +1% 250M10W

CONTROL MICROPROCESSOR - MICROPROCESSEUR DE COMMANDE - MIKROPROZESSOR - MICROPROCESSORE DEI COMANDI - MICROPROCESADOR DE LOS MANDOS

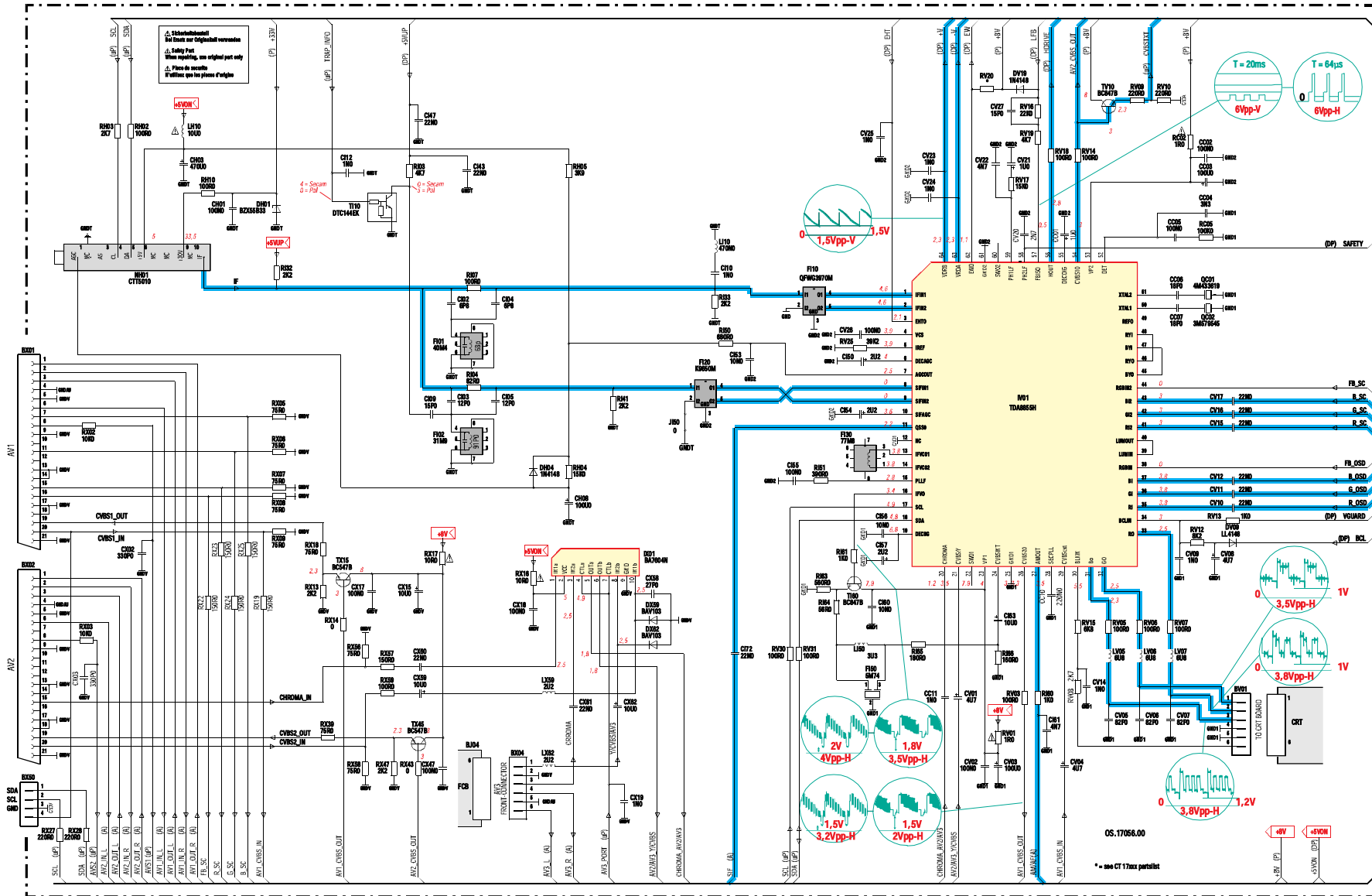


# RF/FI / SCART INTERFACE/VIDEO SIGNAL PROCESSING - HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI / PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI / EUROCONNECTOR / TRATAMENTO VIDEO

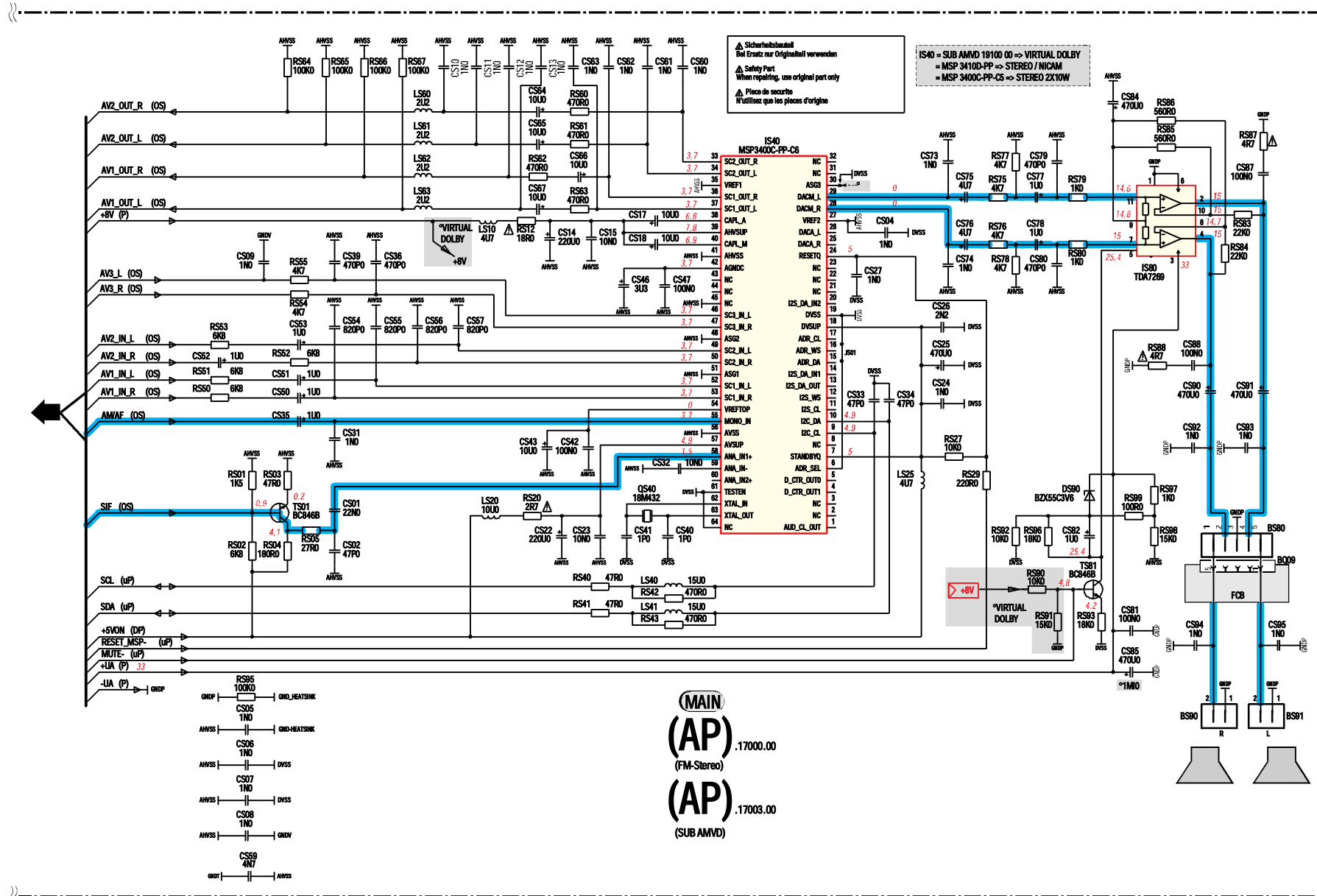




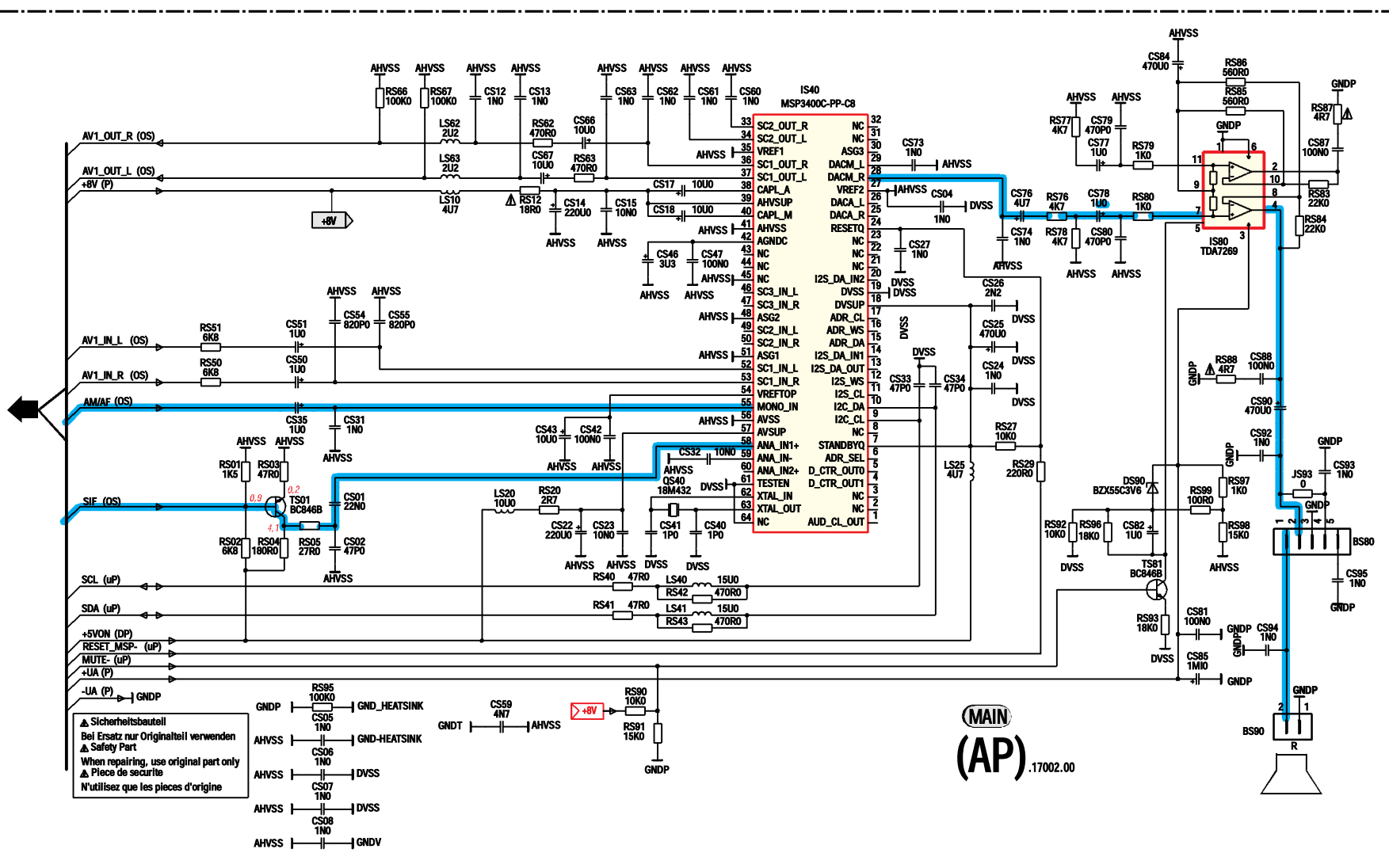
**RF/FI SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAIEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONNECTOR/TRATAMENTO VIDEO**



**AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERARBEITUNG - SCHEMA DELL' AMPLIFICATORE  
ESQUEMA DEL AMPLIFICADOR  
(STEREO)**



**AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERARBEITUNG - SCHEMA DELL' AMPLIFICATORE - ESQUEMA DEL AMPLIFICADOR (MONO)**

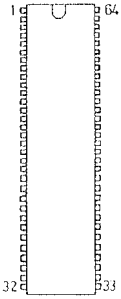


▲ Sicherheitsbauteil  
 Bei Ersatz nur Originalteil verwenden  
 ▲ Safety Part  
 When repairing, use original part only  
 ▲ Piese de securite  
 N'utilisez que les pieces d'origine

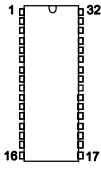
<b>LIST OF ABBREVIATIONS - LISTE DES ABREVIATIONS- ABKÜRZUNGEN LISTA DELLE ABBREVIAZIONI - LISTA DE ABREVIACIONES</b>
---

● <b>+USYS:</b>	System voltage
● <b>+U_VIDEO:</b>	Video drive voltage for the CRT board
● <b>+ STDBY_ ON:</b>	Standby data (0V standby , 0.6v switched ON)
● <b>+5V DST:</b>	5v unregulated voltage from the DST to supply the tuner and audio MSP device
● <b>+5V ON:</b>	5v regulated voltage from the DST to supply the tuner and audio MSP device
● <b>+5V UP :</b>	Microprocessor supply voltage
● <b>BCL:</b>	Beam current limiting information
● <b>CVBS:</b>	Composite video / luminance signal
● <b>CVBS_OUT:</b>	Composite video output
● <b>CVBS_TXT:</b>	Composite video for teletext extraction
● <b>DEGAUSS:</b>	Degauss signal
● <b>EW :</b>	East / West
● <b>FORMAT / BC:</b>	Full white control DATA depending on 16/9 selected format
● <b>HDRV:</b>	Horizontal deflection signal
● <b>HTR1 / HTR2:</b>	Heater voltage from the DST to CRT PCB
● <b>LFB:</b>	Line Fast Blanking
● <b>MUTE :</b>	Mutes audio amplifiers
● <b>PO:</b>	"Power ON " IP95 : reset activated and output = 8v "PO" = 5v when TV is working in normally
● <b>POWER_FAIL:</b>	Detection of mains supply and deflection stage failures
● <b>RESET:</b>	Microprocessor reset signal
● <b>SAFETY:</b>	Safety information from the deflection stage
● <b>SCL:</b>	Serial Clock
● <b>SDA :</b>	Serial Data
● <b>SIF:</b>	Sound IF
● <b>TRAP_INFO:</b>	31.4Mhz IF trap activation
● <b>U_ STANDBY:</b>	Standby voltage
● <b>U_DRIVER:</b>	Horizontal sync signal from TDA8855H
● <b>U_TIMER:</b>	11v voltage used during "Switch ON " phase and "Wake Up" mode
● <b>V FLB:</b>	Vertical flyback reference for the microprocessor
● <b>V GUARD:</b>	Safety data generated by the vertical amplifier TDA 8351
● <b>V_RETRACE:</b>	42 / 48volts (depending on tube type) generated by the DST and used for vertical blanking
● <b>V_SUPPLY:</b>	13.5 to 15.5 volts (depending on tube type) generated by the DST

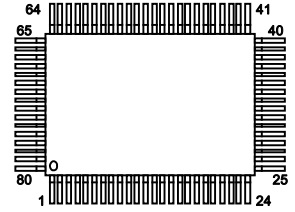
**INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE -  
 CIRCUITS INTEGRES ET TRANSISTORS  
 INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN -  
 CIRCUITI INTEGRATI TRANSISTOR  
 CIRCUITOS INTEGRADOS Y TRANSISTORES**



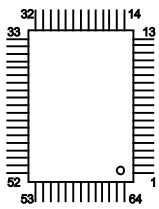
**MPS3400C-PP-C6**



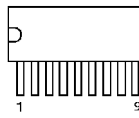
**MX27C200MC-12**



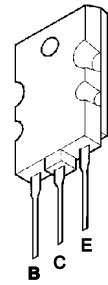
**ST92R195**



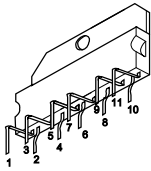
**TDA8855H**



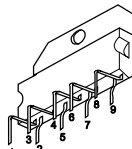
**TDA8351**



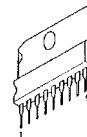
**BUH516TH16**



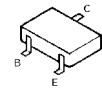
**TDA7269**



**TDA6107Q**



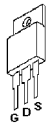
**TDA 8139**



**BC 847B  
 BC 857B  
 BCR141  
 BCR191  
 DTC113ZK  
 DTC144EK  
 TN1401**



**ST24C08-M  
 TS3702CD**



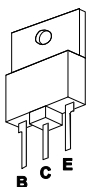
**STP6 NA60F1**



**BT806 -600C**



**MC7812/CT**



**BD241C**



**BC 337  
 BC 546B  
 BC 547B**



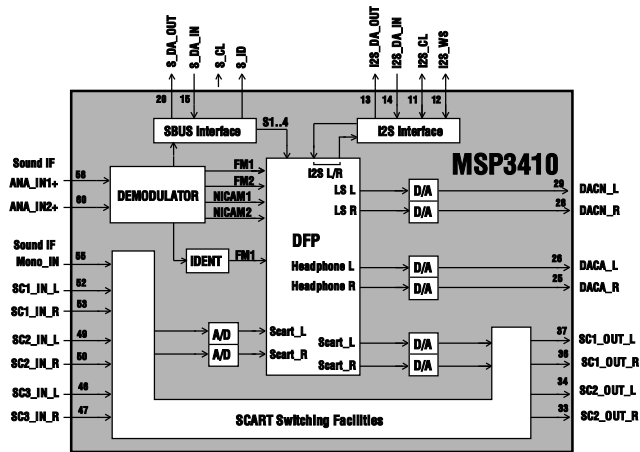
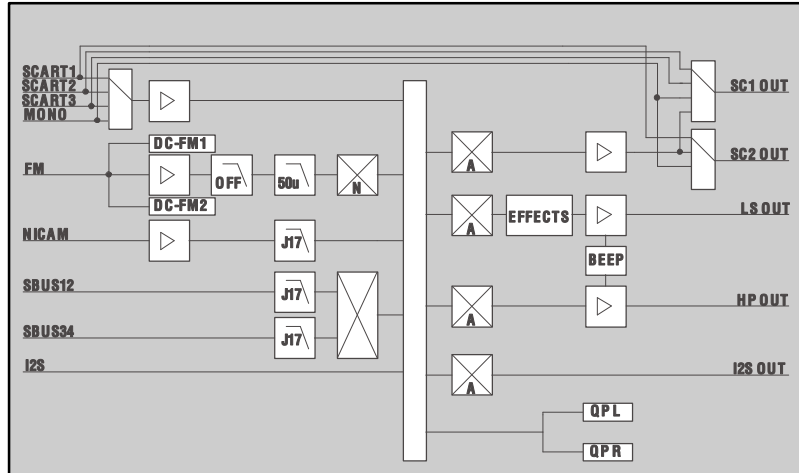
**BF 422  
 BF423  
 2SA1020Y  
 2SC2236Y**



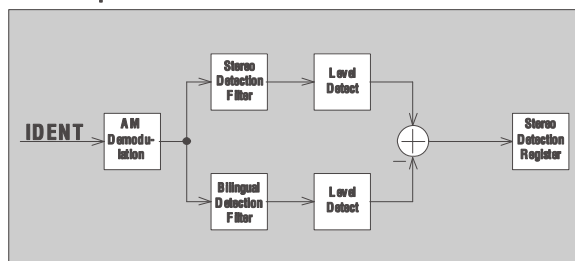
**MPS750**

**INTEGRATED CIRCUITS BLOCK DIAGRAMS -  
 SYNOPTIQUES INTERNES DES CIRCUITS INTEGRES -  
 INTEGRIERTE SCHALTUNGEN BLOCKSCHALTBIlder  
 SCHEMA A BLOCCHI DEI CIRCUITI INTEGRATI -  
 VISTA INTERNA DE LOS CIRCUITOS INTEGRADOS**

**Audio baseband processing of the MSP3410**

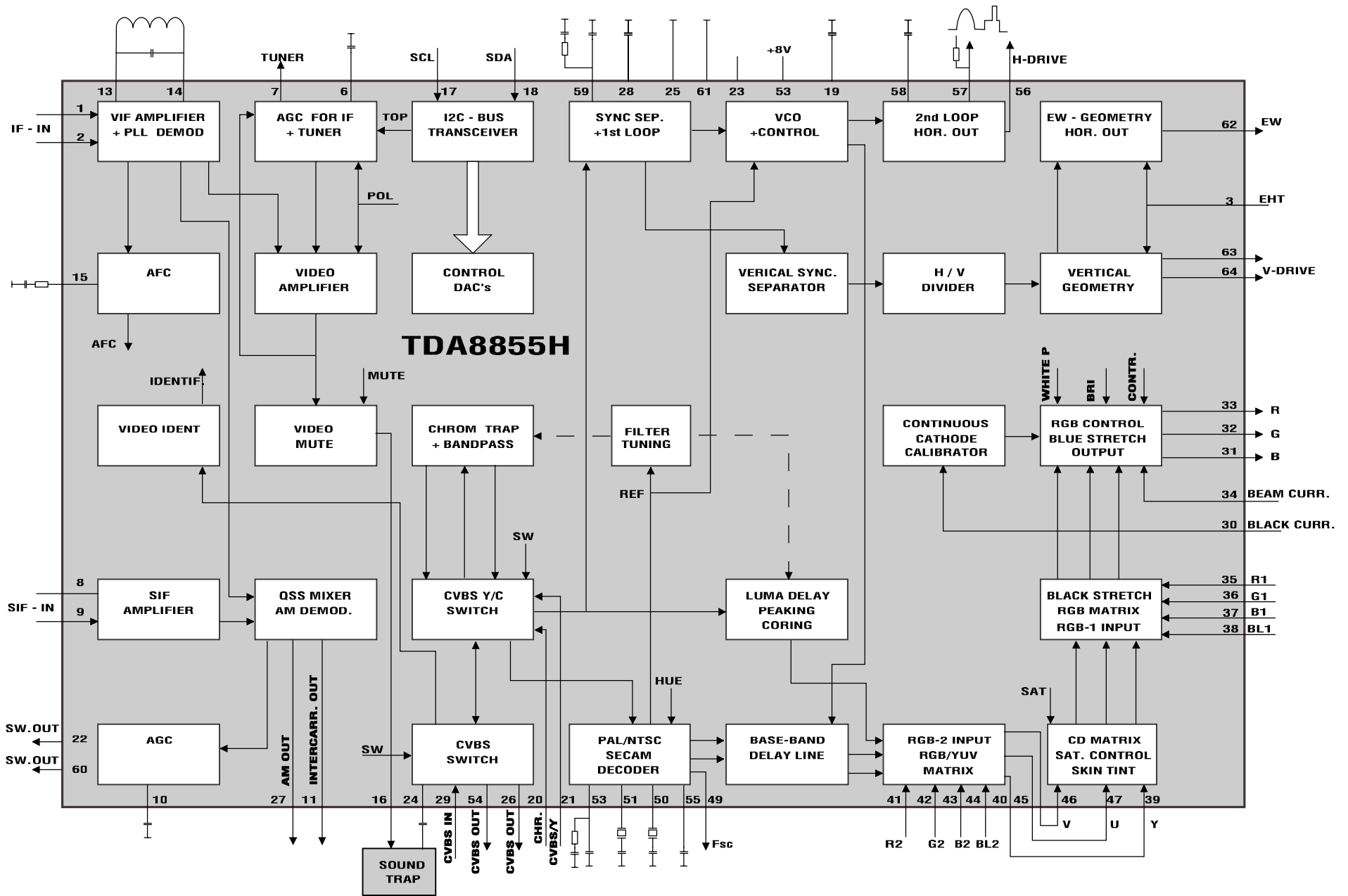


**Detection part of the MSP 3410**

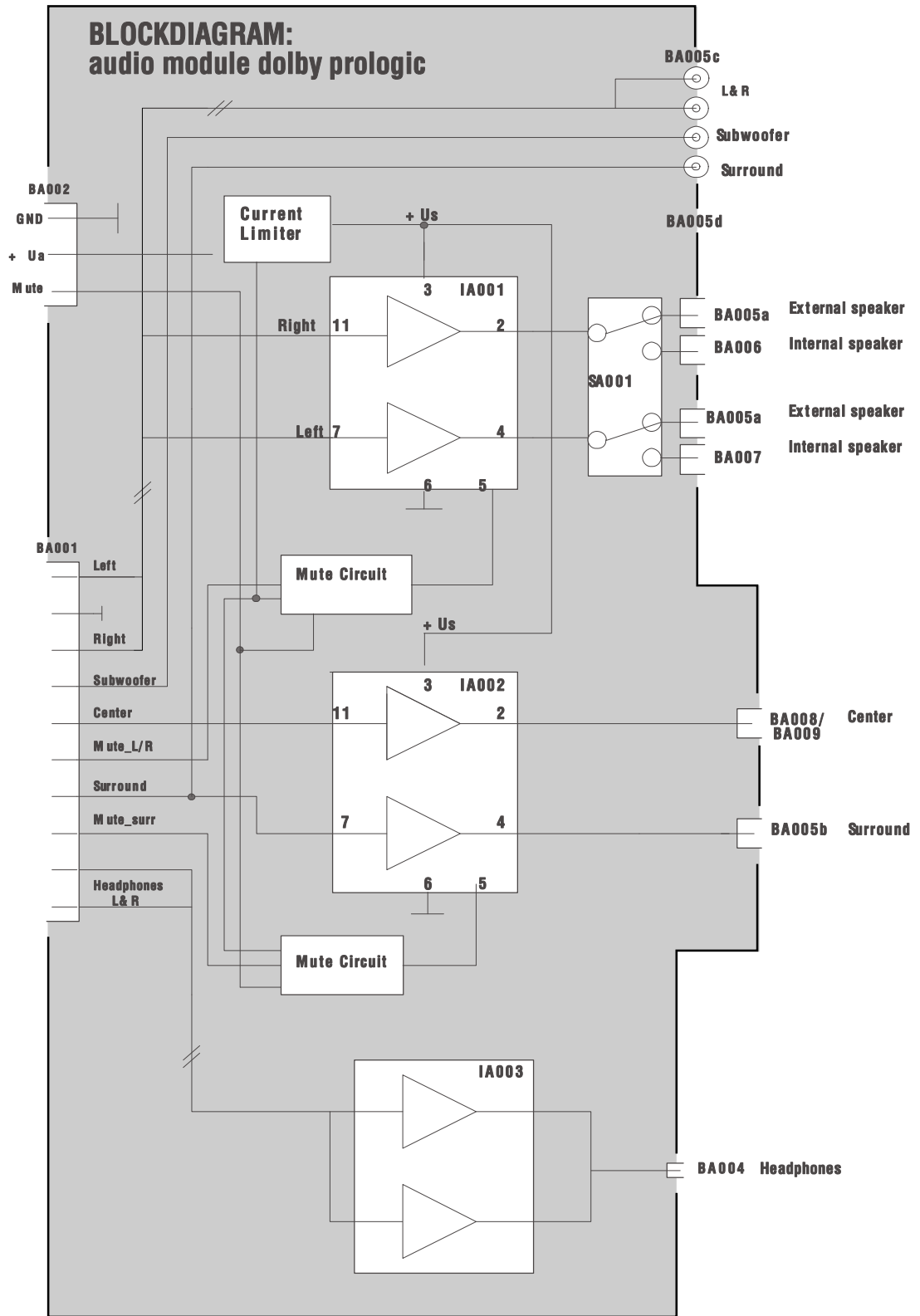




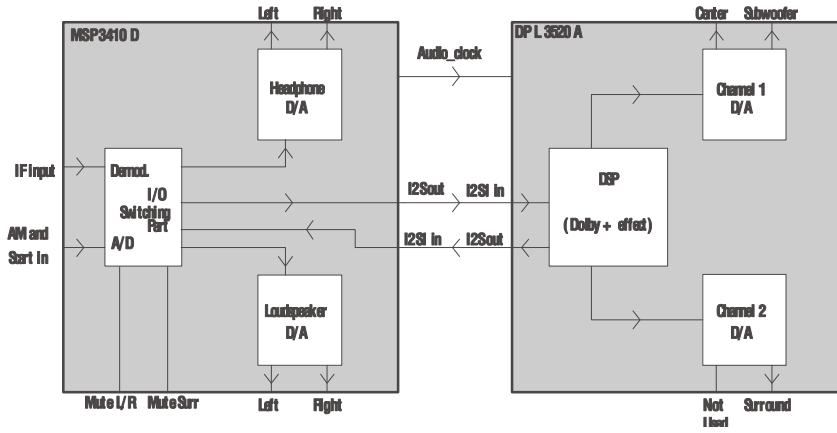
IV01 TDA 8855H



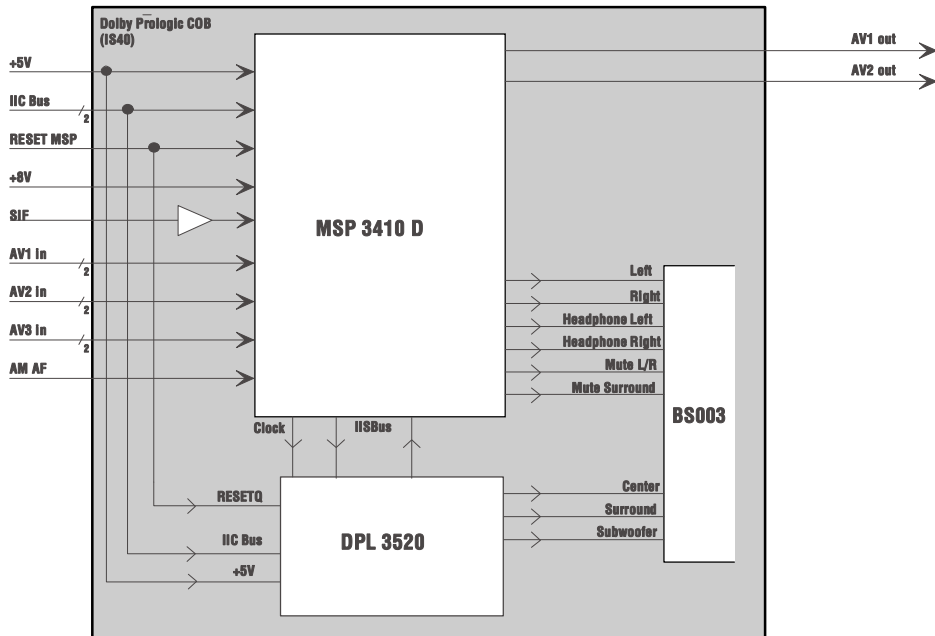
**BLOCK DIAGRAM (AUDIO MODULE DOLBY PROLOGIC)**  
**SCHEMA SYNOPTIQUE (AUDIO MODULE DOLBY PROLOGIC)**  
**BLOCKSCHALTBIID (AUDIO MODULE DOLBY PROLOGIC)**  
**SCHEMA A BLOCCI (AUDIO MODULE DOLBY PROLOGIC)**  
**ESQUEMA DE BLOQUES (AUDIO MODULE DOLBY PROLOGIC)**



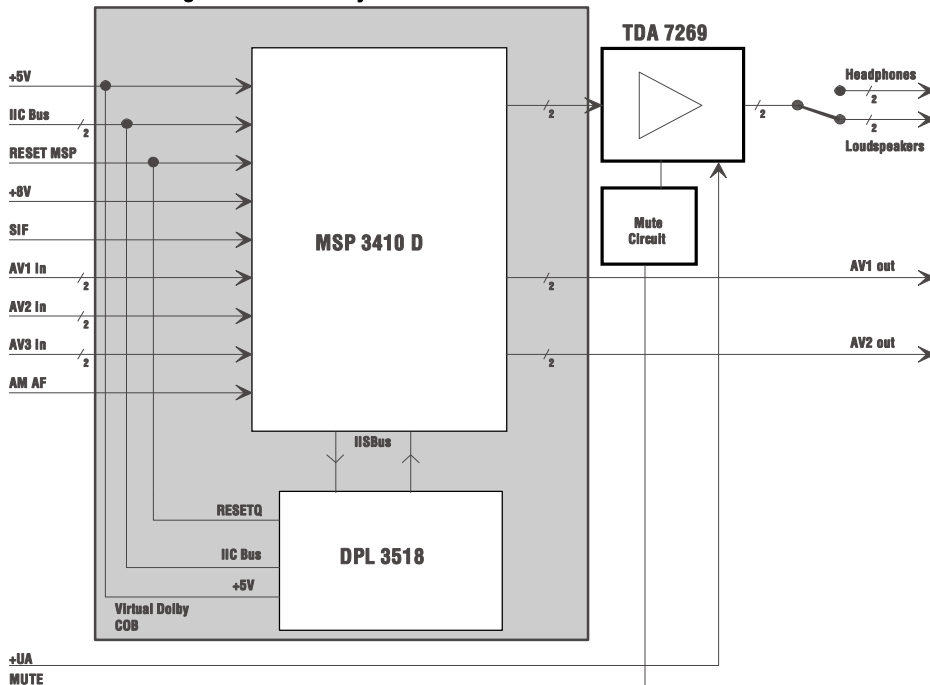
### Interface requirement audio part with Dolby Prologic



### Block diagram Dolby Prologic



### Block diagram Virtual Dolby





## EACEM-IRIS REPAIR CODING SYSTEM

## SYMPTOM CODE TABLE



CONDITION CODE	MAIN SYMPTOM CODE		EXTENDED SYMPTOM CODE (*)					
	1	2	LEVEL	3	4	NOISE		
1 CONSTANTLY	101	NO ACTION						
	102	POWER PROBLEM OR NOT OPERATING	120	CHARGING PROBLEM	130	DISPLAY FUNCTION PROBLEM	140	ABNORMAL NOISE
	103	AFTER A WHILE						
	104	IN A HOT ENVIRONMENT						
	105	IN A COLD ENVIRONMENT						
	106	WHEN CHARGING						
	107	UNDER VIBRATION						
	108	IN A DAMP/WET/SAUNY/HUMID ENVIRONMENT						
	109	IN A DRY ENVIRONMENT						
	110	AFTER BEING DROPPED/TRANSPORT DAMAGE						
	111	AFTER BEING SHAKEN/STRIKE						
	112	ONLY CERTAIN STATIONS/CHANNELS/FREQUENCY BAND						
113	ONLY ON CERTAIN STANDARDS							
114	ONLY ON ONE CHANNEL							
115	ONLY WITH INPUT(S)							
116	ONLY ON OUTPUT(S)							
117	IN STAND-BY/OFF MODE							
118	AT EDIT POINT							
119	WHEN INTERRUPTED							
120	LIQUID CONTAMINATION							
121	FOR A SHORT WHILE AFTER SWITCH-ON							
122	AFTER MAKING A COPY							
123	UNDER STRESSED CONDITIONS / HIGH LOAD							
124	AT SWITCH-OFF							
2 COMMUNICATION	210	NO RECEPTION OR CONNECTION	220	POOR RECEPTION OR CONNECTION	230	TRANSMISSION/CONNECTION PROBLEM	240	NOISY RECEPTION/TRANSMISSION
	211	NO AM RECEPTION	221	POOR AM RECEPTION	231	NO TRANSMISSION/CONNECTION	241	NO NOISE
	212	NO FM RECEPTION	222	POOR FM RECEPTION	232	POOR TRANSMISSION/CONNECTION	242	OSCILLATION
	213	NO SW RECEPTION	223	POOR SW RECEPTION	233	TRANSMISSION LEVEL TOO HIGH	243	INTERSECTION INTERFERENCE
	214	NO LHF RECEPTION	224	POOR LHF RECEPTION	234	NO TRANSMISSION BETWEEN BASE AND HANDSET	244	OTHER NOISY RECEPTION/TRANSMISSION
	215	NO IS RECEPTION	225	POOR IS RECEPTION	235	POOR TRANSMISSION BETWEEN BASE UNIT AND HANDSET	245	NOISE BARS ON PICTURE
	216	NO HTV RECEPTION	226	POOR HTV RECEPTION	236	NO TRANSMISSION	246	BLANKING LINES ON PICTURE
	217	POOR SPORTS RECEPTION	227	POOR SPORTS RECEPTION	237	ONE-SIDED CONNECTION	247	VERTICAL SCRAMBLING
	218	POOR RECEPTION OF DIGITAL BROADCASTING	228	POOR RECEPTION OF DIGITAL BROADCASTING	238	NO TRANSMISSION	248	GHOSTING ON PICTURE
	219	NO RECEPTION	229	POOR RECEPTION	239	CONNECTED	249	OVERMODULATION NOISE
	220	NO MODEM/PAGE CONNECTION	230	POOR MODEM/PAGE CONNECTION	240	MODERN HANDS UP IMMEDIATELY ONCE CONNECTED	250	OVERMODULATION NOISE
	221	NO MODEM/PAGE CONNECTION	231	POOR MODEM/PAGE CONNECTION	241	MODERN NOT ANSWERING DIALER	251	OVERMODULATION NOISE
222	NO NETWORK CONNECTION/NETWORK INITIALIZATION FAILS	232	POOR NETWORK CONNECTION/NETWORK INITIALIZATION	242	OTHER 'TRANSMISSION/CONNECTION' PROBLEM	252	SCRAMBLED PICTURE	
223	OTHER 'NO RECEPTION' PROBLEM	233	OTHER 'POOR RECEPTION' PROBLEM	243	OTHER 'TRANSMISSION/CONNECTION' PROBLEM	253	OTHER 'SCRAMBLED PICTURE' PROBLEM	
224	NO PICTURE	320	PICTURE LEVEL PROBLEM	330	PICTURE QUALITY PROBLEM	340	PICTURE NOISE	
225	PICTURE IN E TO E MODE	321	PICTURE TOO DARK	331	POOR PICTURE RESOLUTION	341	SNOW PICTURE	
226	PICTURE IN PLAYBACK MODE	322	PICTURE TOO BRIGHT	332	POOR FOCUS	342	DOT NOISE OR DROPOUT ON PICTURE	
227	PICTURE IN VIEWFINDER	323	CONTRAST TOO LOW	333	RINGING ON PICTURE	343	NOISE BARS ON PICTURE	
228	PICTURE ONLY PASTER	324	CONTRAST TOO HIGH	334	EXCESSIVE SMEAR/LAG	344	BLANKING LINES ON PICTURE	
229	PICTURE BLENDED	325	PICTURE LINEARITY OR GEOMETRY PROBLEM	335	POOR LINEARITY OR GEOMETRY	345	VERTICAL SCRAMBLING	
230	ONLY HORIZONTAL LINE	326	SHADING ON PICTURE	336	PICTURE SIZE INCORRECT	346	GHOSTING ON PICTURE	
231	ONLY PARTIAL PICTURE	327	SATURATED PICTURE	337	INCORRECT CENTERING OF PICTURE	347	VERTICAL SCRAMBLING	
232	OTHER PICTURE LEVEL PROBLEM	328	OTHER PICTURE LEVEL PROBLEM	338	PICTURE SLANTED	348	OVERMODULATION NOISE	
233	NO 2nd OR HIGHER MONITOR DISPLAY	329	OTHER 'NO PICTURE' PROBLEM	339	'S-SIZE' INCORRECT	349	OVERMODULATION NOISE	
234	OTHER 'NO PICTURE' PROBLEM	330	OTHER 'PICTURE QUALITY' PROBLEM	340	'H-SIZE' INCORRECT	350	SCRAMBLED PICTURE	
235	OTHER 'PICTURE QUALITY' PROBLEM	340	OTHER 'PICTURE QUALITY' PROBLEM	350	OTHER 'PICTURE QUALITY' PROBLEM	360	OTHER 'PICTURE QUALITY' PROBLEM	
236	NO COLOUR	420	COLOUR LEVEL PROBLEM	430	POOR COLOUR QUALITY	440	NOISY COLOUR	
237	NO COLOUR IN E TO E MODE	421	WEAK COLOUR	431	SOME OR ALL COLOURS MISSING	441	COLOUR NOISE ON A BLACK & WHITE	
238	NO COLOUR IN PLAYBACK MODE	422	EXCESSIVE COLOUR	432	POOR WHITE BALANCE	442	COLOUR STREAKING	
239	NO COLOUR IN VIEWFINDER	423	OTHER 'COLOUR LEVEL' PROBLEM	433	BLUE PROBLEM	443	COLOUR BARS ON PICTURE	
240	NO COLOUR IN PART OF PICTURE	424	OTHER 'COLOUR LEVEL' PROBLEM	434	PURITY ERROR	444	RUNER 'COLOUR NOISE' PROBLEM	
241	OTHER 'NO COLOUR' PROBLEM	425	OTHER 'COLOUR LEVEL' PROBLEM	435	LANDING ERROR/WHITE UNIFORMITY	445	OTHER 'UNSTABLE COLOUR' PROBLEM	
242	OTHER 'COLOUR LEVEL' PROBLEM	426	OTHER 'COLOUR LEVEL' PROBLEM	436	CONVERGENCE ERROR	446	OTHER 'UNSTABLE COLOUR' PROBLEM	
243	OTHER 'COLOUR LEVEL' PROBLEM	427	OTHER 'COLOUR LEVEL' PROBLEM	437	REGISTRATION ERROR	447	OTHER 'UNSTABLE COLOUR' PROBLEM	
244	OTHER 'COLOUR LEVEL' PROBLEM	428	OTHER 'COLOUR LEVEL' PROBLEM	438	PITCH MODERATION/PATTERN	448	OTHER 'UNSTABLE COLOUR' PROBLEM	
245	OTHER 'COLOUR LEVEL' PROBLEM	429	OTHER 'COLOUR LEVEL' PROBLEM	439	OTHER 'COLOUR QUALITY' PROBLEM	449	OTHER 'UNSTABLE COLOUR' PROBLEM	
246	OTHER 'COLOUR LEVEL' PROBLEM	430	OTHER 'COLOUR LEVEL' PROBLEM	440	OTHER 'COLOUR QUALITY' PROBLEM	450	OTHER 'UNSTABLE COLOUR' PROBLEM	
247	OTHER 'COLOUR LEVEL' PROBLEM	431	OTHER 'COLOUR LEVEL' PROBLEM	450	OTHER 'COLOUR QUALITY' PROBLEM	460	OTHER 'UNSTABLE COLOUR' PROBLEM	
248	OTHER 'COLOUR LEVEL' PROBLEM	432	OTHER 'COLOUR LEVEL' PROBLEM	460	OTHER 'UNSTABLE COLOUR' PROBLEM	470	OTHER 'UNSTABLE COLOUR' PROBLEM	
249	OTHER 'COLOUR LEVEL' PROBLEM	433	OTHER 'COLOUR LEVEL' PROBLEM	470	OTHER 'UNSTABLE COLOUR' PROBLEM	480	OTHER 'UNSTABLE COLOUR' PROBLEM	
250	OTHER 'COLOUR LEVEL' PROBLEM	434	OTHER 'COLOUR LEVEL' PROBLEM	480	OTHER 'UNSTABLE COLOUR' PROBLEM	490	OTHER 'UNSTABLE COLOUR' PROBLEM	
251	OTHER 'COLOUR LEVEL' PROBLEM	435	OTHER 'COLOUR LEVEL' PROBLEM	490	OTHER 'UNSTABLE COLOUR' PROBLEM	500	OTHER 'UNSTABLE COLOUR' PROBLEM	
252	OTHER 'COLOUR LEVEL' PROBLEM	436	OTHER 'COLOUR LEVEL' PROBLEM	500	OTHER 'UNSTABLE COLOUR' PROBLEM	510	OTHER 'UNSTABLE COLOUR' PROBLEM	
253	OTHER 'COLOUR LEVEL' PROBLEM	437	OTHER 'COLOUR LEVEL' PROBLEM	510	OTHER 'UNSTABLE COLOUR' PROBLEM	520	OTHER 'UNSTABLE COLOUR' PROBLEM	
254	OTHER 'COLOUR LEVEL' PROBLEM	438	OTHER 'COLOUR LEVEL' PROBLEM	520	OTHER 'UNSTABLE COLOUR' PROBLEM	530	OTHER 'UNSTABLE COLOUR' PROBLEM	
255	OTHER 'COLOUR LEVEL' PROBLEM	439	OTHER 'COLOUR LEVEL' PROBLEM	530	OTHER 'UNSTABLE COLOUR' PROBLEM	540	OTHER 'UNSTABLE COLOUR' PROBLEM	
256	OTHER 'COLOUR LEVEL' PROBLEM	440	OTHER 'COLOUR LEVEL' PROBLEM	540	OTHER 'UNSTABLE COLOUR' PROBLEM	550	OTHER 'UNSTABLE COLOUR' PROBLEM	
257	OTHER 'COLOUR LEVEL' PROBLEM	441	OTHER 'COLOUR LEVEL' PROBLEM	550	OTHER 'UNSTABLE COLOUR' PROBLEM	560	OTHER 'UNSTABLE COLOUR' PROBLEM	
258	OTHER 'COLOUR LEVEL' PROBLEM	442	OTHER 'COLOUR LEVEL' PROBLEM	560	OTHER 'UNSTABLE COLOUR' PROBLEM	570	OTHER 'UNSTABLE COLOUR' PROBLEM	
259	OTHER 'COLOUR LEVEL' PROBLEM	443	OTHER 'COLOUR LEVEL' PROBLEM	570	OTHER 'UNSTABLE COLOUR' PROBLEM	580	OTHER 'UNSTABLE COLOUR' PROBLEM	
260	OTHER 'COLOUR LEVEL' PROBLEM	444	OTHER 'COLOUR LEVEL' PROBLEM	580	OTHER 'UNSTABLE COLOUR' PROBLEM	590	OTHER 'UNSTABLE COLOUR' PROBLEM	
261	OTHER 'COLOUR LEVEL' PROBLEM	445	OTHER 'COLOUR LEVEL' PROBLEM	590	OTHER 'UNSTABLE COLOUR' PROBLEM	600	OTHER 'UNSTABLE COLOUR' PROBLEM	
262	OTHER 'COLOUR LEVEL' PROBLEM	446	OTHER 'COLOUR LEVEL' PROBLEM	600	OTHER 'UNSTABLE COLOUR' PROBLEM	610	OTHER 'UNSTABLE COLOUR' PROBLEM	
263	OTHER 'COLOUR LEVEL' PROBLEM	447	OTHER 'COLOUR LEVEL' PROBLEM	610	OTHER 'UNSTABLE COLOUR' PROBLEM	620	OTHER 'UNSTABLE COLOUR' PROBLEM	
264	OTHER 'COLOUR LEVEL' PROBLEM	448	OTHER 'COLOUR LEVEL' PROBLEM	620	OTHER 'UNSTABLE COLOUR' PROBLEM	630	OTHER 'UNSTABLE COLOUR' PROBLEM	
265	OTHER 'COLOUR LEVEL' PROBLEM	449	OTHER 'COLOUR LEVEL' PROBLEM	630	OTHER 'UNSTABLE COLOUR' PROBLEM	640	OTHER 'UNSTABLE COLOUR' PROBLEM	
266	OTHER 'COLOUR LEVEL' PROBLEM	450	OTHER 'COLOUR LEVEL' PROBLEM	640	OTHER 'UNSTABLE COLOUR' PROBLEM	650	OTHER 'UNSTABLE COLOUR' PROBLEM	
267	OTHER 'COLOUR LEVEL' PROBLEM	451	OTHER 'COLOUR LEVEL' PROBLEM	650	OTHER 'UNSTABLE COLOUR' PROBLEM	660	OTHER 'UNSTABLE COLOUR' PROBLEM	
268	OTHER 'COLOUR LEVEL' PROBLEM	452	OTHER 'COLOUR LEVEL' PROBLEM	660	OTHER 'UNSTABLE COLOUR' PROBLEM	670	OTHER 'UNSTABLE COLOUR' PROBLEM	
269	OTHER 'COLOUR LEVEL' PROBLEM	453	OTHER 'COLOUR LEVEL' PROBLEM	670	OTHER 'UNSTABLE COLOUR' PROBLEM	680	OTHER 'UNSTABLE COLOUR' PROBLEM	
270	OTHER 'COLOUR LEVEL' PROBLEM	454	OTHER 'COLOUR LEVEL' PROBLEM	680	OTHER 'UNSTABLE COLOUR' PROBLEM	690	OTHER 'UNSTABLE COLOUR' PROBLEM	
271	OTHER 'COLOUR LEVEL' PROBLEM	455	OTHER 'COLOUR LEVEL' PROBLEM	690	OTHER 'UNSTABLE COLOUR' PROBLEM	700	OTHER 'UNSTABLE COLOUR' PROBLEM	
272	OTHER 'COLOUR LEVEL' PROBLEM	456	OTHER 'COLOUR LEVEL' PROBLEM	700	OTHER 'UNSTABLE COLOUR' PROBLEM	710	OTHER 'UNSTABLE COLOUR' PROBLEM	
273	OTHER 'COLOUR LEVEL' PROBLEM	457	OTHER 'COLOUR LEVEL' PROBLEM	710	OTHER 'UNSTABLE COLOUR' PROBLEM	720	OTHER 'UNSTABLE COLOUR' PROBLEM	
274	OTHER 'COLOUR LEVEL' PROBLEM	458	OTHER 'COLOUR LEVEL' PROBLEM	720	OTHER 'UNSTABLE COLOUR' PROBLEM	730	OTHER 'UNSTABLE COLOUR' PROBLEM	
275	OTHER 'COLOUR LEVEL' PROBLEM	459	OTHER 'COLOUR LEVEL' PROBLEM	730	OTHER 'UNSTABLE COLOUR' PROBLEM	740	OTHER 'UNSTABLE COLOUR' PROBLEM	
276	OTHER 'COLOUR LEVEL' PROBLEM	460	OTHER 'COLOUR LEVEL' PROBLEM	740	OTHER 'UNSTABLE COLOUR' PROBLEM	750	OTHER 'UNSTABLE COLOUR' PROBLEM	
277	OTHER 'COLOUR LEVEL' PROBLEM	461	OTHER 'COLOUR LEVEL' PROBLEM	750	OTHER 'UNSTABLE COLOUR' PROBLEM	760	OTHER 'UNSTABLE COLOUR' PROBLEM	
278	OTHER 'COLOUR LEVEL' PROBLEM	462	OTHER 'COLOUR LEVEL' PROBLEM	760	OTHER 'UNSTABLE COLOUR' PROBLEM	770	OTHER 'UNSTABLE COLOUR' PROBLEM	
279	OTHER 'COLOUR LEVEL' PROBLEM	463	OTHER 'COLOUR LEVEL' PROBLEM	770	OTHER 'UNSTABLE COLOUR' PROBLEM	780	OTHER 'UNSTABLE COLOUR' PROBLEM	
280	OTHER 'COLOUR LEVEL' PROBLEM	464	OTHER 'COLOUR LEVEL' PROBLEM	780	OTHER 'UNSTABLE COLOUR' PROBLEM	790	OTHER 'UNSTABLE COLOUR' PROBLEM	
281	OTHER 'COLOUR LEVEL' PROBLEM	465	OTHER 'COLOUR LEVEL' PROBLEM	790	OTHER 'UNSTABLE COLOUR' PROBLEM	800	OTHER 'UNSTABLE COLOUR' PROBLEM	
282	OTHER 'COLOUR LEVEL' PROBLEM	466	OTHER 'COLOUR LEVEL' PROBLEM	800	OTHER 'UNSTABLE COLOUR' PROBLEM	810	OTHER 'UNSTABLE COLOUR' PROBLEM	
283	OTHER 'COLOUR LEVEL' PROBLEM	467	OTHER 'COLOUR LEVEL' PROBLEM	810	OTHER 'UNSTABLE COLOUR' PROBLEM	820	OTHER 'UNSTABLE COLOUR' PROBLEM	
284	OTHER 'COLOUR LEVEL' PROBLEM	468	OTHER 'COLOUR LEVEL' PROBLEM	820	OTHER 'UNSTABLE COLOUR' PROBLEM	830	OTHER 'UNSTABLE COLOUR' PROBLEM	
285	OTHER 'COLOUR LEVEL' PROBLEM	469	OTHER 'COLOUR LEVEL' PROBLEM	830	OTHER 'UNSTABLE COLOUR' PROBLEM	840	OTHER 'UNSTABLE COLOUR' PROBLEM	
286	OTHER 'COLOUR LEVEL' PROBLEM	470	OTHER 'COLOUR LEVEL' PROBLEM	840	OTHER 'UNSTABLE COLOUR' PROBLEM	850	OTHER 'UNSTABLE COLOUR' PROBLEM	
287	OTHER 'COLOUR LEVEL' PROBLEM	471	OTHER 'COLOUR LEVEL' PROBLEM	850	OTHER 'UNSTABLE COLOUR' PROBLEM	860	OTHER 'UNSTABLE COLOUR' PROBLEM	
288	OTHER 'COLOUR LEVEL' PROBLEM	472	OTHER 'COLOUR LEVEL' PROBLEM	860	OTHER 'UNSTABLE COLOUR' PROBLEM	870	OTHER 'UNSTABLE COLOUR' PROBLEM	
289	OTHER 'COLOUR LEVEL' PROBLEM	473	OTHER 'COLOUR LEVEL' PROBLEM	870	OTHER 'UNSTABLE COLOUR' PROBLEM	880	OTHER 'UNSTABLE COLOUR' PROBLEM	
290	OTHER 'COLOUR LEVEL' PROBLEM	474	OTHER 'COLOUR LEVEL' PROBLEM	880	OTHER 'UNSTABLE COLOUR' PROBLEM	890	OTHER 'UNSTABLE COLOUR' PROBLEM	
291	OTHER 'COLOUR LEVEL' PROBLEM	475	OTHER 'COLOUR LEVEL' PROBLEM	890	OTHER 'UNSTABLE COLOUR' PROBLEM	900	OTHER 'UNSTABLE COLOUR' PROBLEM	
292	OTHER 'COLOUR LEVEL' PROBLEM	476	OTHER 'COLOUR LEVEL' PROBLEM	900	OTHER 'UNSTABLE COLOUR' PROBLEM	910	OTHER 'UNSTABLE COLOUR' PROBLEM	
293	OTHER 'COLOUR LEVEL' PROBLEM	477	OTHER 'COLOUR LEVEL' PROBLEM	910	OTHER 'UNSTABLE COLOUR' PROBLEM	920	OTHER 'UNSTABLE COLOUR' PROBLEM	
294	OTHER 'COLOUR LEVEL' PROBLEM	478	OTHER 'COLOUR LEVEL' PROBLEM	920	OTHER 'UNSTABLE COLOUR' PROBLEM	930	OTHER 'UNSTABLE COLOUR' PROBLEM	
295	OTHER 'COLOUR LEVEL' PROBLEM	479	OTHER 'COLOUR LEVEL' PROBLEM	930	OTHER 'UNSTABLE COLOUR' PROBLEM	940	OTHER 'UNSTABLE COLOUR' PROBLEM	
296	OTHER 'COLOUR LEVEL' PROBLEM	480	OTHER 'COLOUR LEVEL' PROBLEM	940	OTHER 'UNSTABLE COLOUR' PROBLEM	950	OTHER 'UNSTABLE COLOUR' PROBLEM	
297	OTHER 'COLOUR LEVEL' PROBLEM	481	OTHER 'COLOUR LEVEL' PROBLEM	950	OTHER 'UNSTABLE COLOUR' PROBLEM	960	OTHER 'UNSTABLE COLOUR' PROBLEM	
298	OTHER 'COLOUR LEVEL' PROBLEM	482	OTHER 'COLOUR LEVEL' PROBLEM	960	OTHER 'UNSTABLE COLOUR' PROBLEM	970	OTHER 'UNSTABLE COLOUR' PROBLEM	
299	OTHER 'COLOUR LEVEL' PROBLEM	483	OTHER 'COLOUR LEVEL' PROBLEM	970	OTHER 'UNSTABLE COLOUR' PROBLEM	980	OTHER 'UNSTABLE COLOUR' PROBLEM	
300	OTHER 'COLOUR LEVEL' PROBLEM	484	OTHER 'COLOUR LEVEL' PROBLEM	980	OTHER 'UNSTABLE COLOUR' PROBLEM	990	OTHER 'UNSTABLE COLOUR' PROBLEM	
301	OTHER 'COLOUR LEVEL' PROBLEM	485	OTHER 'COLOUR LEVEL' PROBLEM	990	OTHER 'UNSTABLE COLOUR' PROBLEM	1000	OTHER 'UNSTABLE COLOUR' PROBLEM	
302	OTHER 'COLOUR LEVEL' PROBLEM	486	OTHER 'COLOUR LEVEL' PROBLEM	1000	OTHER 'UNSTABLE COLOUR' PROBLEM	1010	OTHER 'UNSTABLE COLOUR' PROBLEM	
303	OTHER 'COLOUR LEVEL' PROBLEM	487	OTHER 'COLOUR LEVEL' PROBLEM	1010	OTHER 'UNSTABLE COLOUR' PROBLEM	1020	OTHER 'UNSTABLE COLOUR' PROBLEM	
304	OTHER 'COLOUR LEVEL' PROBLEM	488	OTHER 'COLOUR LEVEL' PROBLEM	1020	OTHER 'UNSTABLE COLOUR' PROBLEM	1030	OTHER 'UNSTABLE COLOUR' PROBLEM	
305	OTHER 'COLOUR LEVEL' PROBLEM	489	OTHER 'COLOUR LEVEL' PROBLEM	1030	OTHER 'UNSTABLE COLOUR' PROBLEM	1040	OTHER 'UNSTABLE COLOUR' PROBLEM	
306	OTHER 'COLOUR LEVEL' PROBLEM	490	OTHER 'COLOUR LEVEL' PROBLEM	1040	OTHER 'UNSTABLE COLOUR' PROBLEM	1050	OTHER 'UNSTABLE COLOUR' PROBLEM	
307	OTHER 'COLOUR LEVEL' PROBLEM	491	OTHER 'COLOUR LEVEL' PROBLEM	1050	OTHER 'UNSTABLE COLOUR' PROBLEM	1060	OTHER 'UNSTABLE COLOUR' PROBLEM	
308	OTHER 'COLOUR LEVEL' PROBLEM	492	OTHER 'COLOUR LEVEL' PROBLEM	1060	OTHER 'UNSTABLE COLOUR' PROBLEM	1070	OTHER 'UNSTABLE COLOUR' PROBLEM	
309	OTHER 'COLOUR LEVEL' PROBLEM	493	OTHER 'COLOUR LEVEL' PROBLEM	1070	OTHER 'UNSTABLE COLOUR' PROBLEM	1080	OTHER 'UNSTABLE COLOUR' PROBLEM	
310	OTHER 'COLOUR LEVEL' PROBLEM	494	OTHER 'COLOUR LEVEL' PROBLEM	1080	OTHER 'UNSTABLE COLOUR' PROBLEM	1090	OTHER 'UNSTABLE COLOUR' PROBLEM	
311	OTHER 'COLOUR LEVEL' PROBLEM	495	OTHER 'COLOUR LEVEL' PROBLEM	1090	OTHER 'UNSTABLE COLOUR' PROBLEM	1100	OTHER 'UNSTABLE COLOUR' PROBLEM	
312	OTHER 'COLOUR LEVEL' PROBLEM	496	OTHER 'COLOUR LEVEL' PROBLEM	1100	OTHER 'UNSTABLE COLOUR' PROBLEM	1110	OTHER 'UNSTABLE COLOUR' PROBLEM	
313	OTHER 'COLOUR LEVEL' PROBLEM	497	OTHER 'COLOUR LEVEL' PROBLEM	1110	OTHER 'UNSTABLE COLOUR' PROBLEM	1120	OTHER 'UNSTABLE COLOUR' PROBLEM	
314	OTHER 'COLOUR LEVEL' PROBLEM	498	OTHER 'COLOUR LEVEL' PROBLEM	1120	OTHER 'UNSTABLE COLOUR' PROBLEM	1130	OTHER 'UNSTABLE COLOUR' PROBLEM	
315	OTHER 'COLOUR LEVEL' PROBLEM	499	OTHER 'COLOUR LEVEL' PROBLEM	1130	OTHER 'UNSTABLE COLOUR' PROBLEM	1140	OTHER 'UNSTABLE COLOUR' PROBLEM	
316	OTHER 'COLOUR LEVEL' PROBLEM	500	OTHER 'COLOUR LEVEL' PROBLEM	1140	OTHER 'UNSTABLE CO			

## EACEM - SECTION CODES

COMMON	
ANT	ANTENNA SECTION
APR	SIGNAL PROCESSING (ANALOG)
BCN	BATTERY CHARGE
CLK	CLOCK/TIMER SECTION
CPA	COLOUR PROCESSING/ANALOG
CTR	CONTROL PANEL
DPR	SIGNAL PROCESSING (DIGITAL)
ERA	ERASE CIRCUIT
FLX	FLEXIBLE PRINTED CIRCUIT BOARD
HFS	HIGH FREQUENCY SECTION (RF)
IDS	INFORMATION DISPLAY SECTION
IFC	IF-CIRCUIT
ILN	I.LINK (IEEE1394) SECTION
INP	SIGNAL INPUT SECTION
IRD	INFRARED (IRDA) SECTION
MEM	MEMORY CIRCUIT
OUT	SIGNAL OUTPUT SECTION
PRG	PROGRAMMING SECTION
PRT	PROTECTION CIRCUIT
PSU	POWER SUPPLY
PWA	POWER AMP SECTION
REM	REMOTE CONTROL SECTION
RFU	BOOSTER, RF UNIT
SFT	SOFTWARE (TAPE, DISC, ETC.)
SNS	SENSOR UNIT
SVO	SERVO SECTION
SYS	SYSTEM CONTROL SECTION
TUN	TUNING SECTION
TXT	TEXT PROCESSING

SOUND-RELATED	
APA	AUDIO PROCESSING/ANALOG
APD	AUDIO PROCESSING/DIGITAL
CDC	CD CHANGER SECTION
CDS	CD SECTION
MDC	MD CHANGER SECTION
MDS	MINIDISC SECTION
MIC	MICROPHONE SECTION
PUD	PICK-UP DEVICE
SHD	STATIONARY HEAD(S)
SPK	SPEAKER

PICTURE-RELATED	
CAM	CAMERA CIRCUIT
CPD	COLOUR PROCESSING/DIGITAL
CRT	PICTURE TUBE
DFL	DEFLECTION CIRCUIT
DVD	DVD SECTION
FPK	FOCUS PACK
IMG	IMAGE DISPLAY UNIT

PICTURE-RELATED	
LCD	LCD SECTION
LMP	LAMP/FLASH SECTION
VPA	VIDEO PROCESSING/ANALOG
VPD	VIDEO PROCESSING/DIGITAL
VWF	VIEWFINDER

PC-RELATED	
FDD	FLOPPY DISC DRIVE
FMW	FIRMWARE
HDD	HARD DISC DRIVE
ISA	ISA SECTION
JST	JOYSTICK
KBD	KEYBOARD (SEPARATE)
MDM	MODEM SECTION
NIF	NETWORK INTERFACE
PAR	PARALLEL PORT
PCC	PC CARD
PCI	PCI SECTION
SCS	SCSI PORT
SER	SERIAL PORT
USB	USB PORT

MECHANICAL	
ARM	ARM MECHANISM
BZL	BEZEL
CBT	CABINET
CHA	CHASSIS
DDM	DISC DRIVE MECHANISM
EXC	EXTERNAL CONNECTOR
HCM	HEAD CARRIAGE MECHANISM
HOL	CASSETTE HOLDER
INC	INTERNAL CONNECTOR
LDG	LOADING MECHANISM
LMN	LENS MECHANISM
PFM	PAPER FEED MECHANISM
PIN	PINCH ROLLER/LEVER
PRI	PRINT BLOCK
RFM	RIBBON FEED MECHANISM
RHD	ROTARY HEAD(S)
SLD	SLED MECHANISM
SRS	SUPPLY REEL SECTION
STA	STATIC BLOCK
TDM	TAPE DRIVE MECHANISM
THR	THREADING MECHANISM
TNR	TENSION REGULATOR
TPT	TAPE PATH
TRS	TAKE-UP REEL SECTION
WIR	LEAD WIRE
XXX	CABINET/COSMETIC PARTS

## DEFECT CODES

MECHANICAL	
A	WORN OUT (OR GENERAL MECHANICAL DEFECT)
A1	MISOPERATING
B	DIRTY, CLOGGED
C	MECHANICALLY MISALIGNED
D	CUT, BROKEN
E	DEFORMED
F	SNAPPED
G	SCRATCHED, DENTED, SHARP EDGES
H	CRACKED, PEELD, CORRODED, MELTED
I	LOOSE/OFF/STRIPPED
J	SHAKY, UNSTABLE
K	LEAKING (MECHANICAL)
L	DRY (NO LUBRICANT)
M	FOREIGN OBJECT

ELECTRICAL	
N	DEFECTIVE ELECTRICAL COMPONENT/MODULE
O	BURNT, ARCING, MISSING PIXELS
P	ELECTRICALLY MISALIGNED/WRONG SETTING
Q	SHORT CIRCUIT
R	OPEN CIRCUIT
S	LEAKING (ELECTRICAL)
T	BAD CONTACT, CONNECTION
T1	BAD EARTH CONNECTION
U	OPEN PATTERN
V	CRACKED PRINTED CIRCUIT BOARD
W	COLD OR NO SOLDERING
X	BRIDGED SOLDERING
Y	WRONG COMPONENT/MODULE
Z	MISSING COMPONENT/MODULE
1	SOFTWARE PROBLEM
11	LOSING DATA FROM MEMORY
12	FAULTY PROGRAM SETTING/INSTALLATION
13	SOFTWARE DEFECTIVE OR INCOMPLETE
14	SOFTWARE SETUP PROBLEM
15	NO IDENTIFICATION / AUTHENTICATION OF PRODUCT OR USER
2	EXHAUSTED, LOW EMISSION
3	NO PROBLEM FOUND (SET WITHIN SPEC)
4	NO PROBLEM FOUND - CUSTOMER MISUNDERSTANDING
5	NO PROBLEM FOUND - LOCAL CONDITIONS
51	FAULTY MAINS VOLTAGE
6	UNABLE TO DIAGNOSE FAULT
7	INCORRECTLY WIRED/ASSEMBLED
81	INCORRECT EQUIPMENT CONNECTION
9	CUSTOMER MISUSE
93	UNAUTHORISED MODIFICATION

## REPAIR CODES

A	REPLACEMENT
B	MECHANICAL ALIGNMENT
C	ELECTRICAL ALIGNMENT
D	RESOLDERING
D1	REFITTING, PUT BACK IN POSITION (CONNECTOR, TUBE...)
E	CLEANING
F	LUBRICATION
G	REPAIRED ELECTRICAL PARTS
H	REPAIRED MECHANICAL PARTS
I	MODIFICATION REQUESTED BY MANUFACTURER
J	REMOVED
K	ADDED
L	FUNCTIONAL CHECK
M	SPECIFICATION MEASUREMENT
N	MAINTENANCE
O	REFURBISHING, RECONDITIONING
P	PREVENTIVE PARTS REPLACEMENT

Q	PREVENTIVE ACTION WITHOUT PARTS REPLACEMENT
U	EXPLANATION FOR CUSTOMER
V	COST ESTIMATION REFUSED
W	COST ESTIMATION WITH PARTS
X	COST ESTIMATION WITHOUT PARTS
Y	RETURN WITHOUT REPAIR
Z	PRODUCT EXCHANGE
Z1	PRODUCT EXCHANGE (REPAIR TOO EXPENSIVE)
Z2	PRODUCT EXCHANGE (TOO MANY VISITS/REPAIRS)
Z3	PRODUCT EXCHANGE (PARTS NOT AVAILABLE)
Z4	PRODUCT EXCHANGE (IMPOSSIBLE TO REPAIR)
Z5	PRODUCT EXCHANGE (ON REQUEST OF RETAILER)
Z6	PRODUCT EXCHANGE (ON REQUEST OF MANUFACTURER)
1	SOFTWARE CORRECTION/RESET
2	SOFTWARE UPGRADE
3	PRODUCT UPGRADE (ON REQUEST)

EXAMPLE OF USE:

FLAG	SYMPTOM CODE	PART NO.	REF. NO.	SECTION	PCB	DEFECT CODE	REPAIR CODE	QTY
1	1 4 1 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 1 2 3 . . . .	T D M	Y A 2 2 . . . .	C 1	Z 1	. . . .
.	3 6 4 1	3 4 5 6 7 8 9 X X X X X X X X X X	1 1 1 . . . .					. . . .

FLAG: INDICATES THE ONE MAJOR SYMPTOM/PART COMBINATION BY '1'