

TV

GRUNDIG

Service Manual

**NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY**

Chassis LX

Davio 20
LCD 51-5710 Text GBF6600

Lenaro 19
LXW 49-7711 Text GBF6400

Monaco 20
LCD 51-9732 DL GBF0300

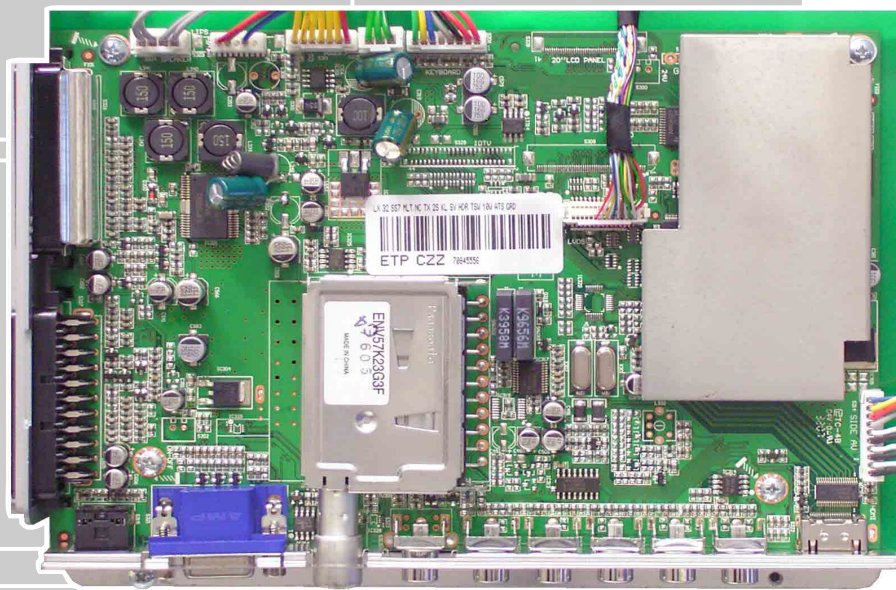
Vision 6
32-6820 GBG6500

Vision 20
LCD 51-8720 Text GBF0800

Vivance II 32
LXW 82-6711 Text GBF8500

26
LXW 68-8600 DL GBF8600

32
LXW 82-8600 DL GBF7300



Zusätzlich erforderliche Unterlagen für den Komplettservice
Additionally required Service Documents for the Complete Service

Service Manual

Sicherheit
Safety

Materialnr./Part No.
72010800001

Materialnummer / Part Number 720100529000

Änderungen vorbehalten / Subject to alteration

TCC 0108 MP • Prepared in Germany

<http://www.grundig.com>

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Materialnummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

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Allgemeiner Teil

Allgemeine Hinweise

Vor dem Öffnen des Gehäuses den Netzstecker ziehen!

Achtung: ESD-Vorschriften beachten 

Leitungsverlegung

Bevor Sie die Leitungen und insbesondere die Masseleitungen lösen, muss die Leitungsverlegung zu den einzelnen Baugruppen beachtet werden.

Nach erfolgter Reparatur ist es notwendig, die Leitungsführung wieder in den werkseitigen Zustand zu versetzen um evtl. spätere Ausfälle oder Störungen zu vermeiden.

Durchführen von Messungen

Bei Messungen mit dem Oszilloskop an Halbleitern sollten Sie nur Tastköpfe mit 10:1 - Teiler verwenden. Außerdem ist zu beachten, dass nach vorheriger Messung mit AC-Kopplung der Koppelkondensator des Oszilloskops aufgeladen sein kann. Durch die Entladung über das Messobjekt können Bauteile beschädigt werden.

Messwerte und Oszillogramme

Bei den in den Schaltplänen und Oszillogrammen angegebenen Messwerten handelt es sich um Näherungswerte!

Austausch der Chassisplatte

Nach Austausch der Chassisplatte müssen alle Einstellungen im Service Mode nach Tabelle "Grundeinstellwerte" (Punkt 1 im Kapitel "Service- und Sonderfunktionen" auf Seite 1-15) eingestellt werden.

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General Section

General Notes

Before opening the cabinet disconnect the mains plug!

Attention: Observe the ESD safety regulations 

Wiring

Before disconnecting any leads and especially the earth connecting leads observe the way they are routed to the individual assemblies. On completion of the repairs the leads must be laid out as originally fitted at the factory to avoid later failures or disturbances.

Carrying out Measurements

When making measurements on semi-conductors with an oscilloscope, ensure that the test probe is set to 10:1 dividing factor. If the previous measurement was made on AC input, please note that the coupling capacitor in the oscilloscope will be charged. Discharge via the item being checked can damage the components.

Measured Values and Oscillograms

The measured values given in the circuit diagrams and oscillograms are approximates!

Change of the Chassis Board

After changing the chassis board all settings in the service mode must be done according to the table "Basic Settings" (point 1 in chapter "Service and Special Functions" on page 1-15).

Geräte- und Display-Varianten

Gerätevarianten

In folgenden Geräten wurde das Chassis LM und LX eingebaut:

- 26 LXW 68-8600 DL
- 32 LXW 82-8600 DL

Erkennbar sind diese Chassis am Design und auf dem Typenschild.

Verwenden Sie bitte für das Chassis LM folgende Service Manuals:

- Service Manual Chassis LM, Materialnummer 7201000513000
- Ergänzung 2 für Chassis LM, Materialnummer 7201000513200

Display- und Product Code

Je nach Verfügbarkeit werden Displays verschiedener Hersteller eingebaut. Dies führt zu unterschiedlichen Chassis-Bestückungen, sowie zu Änderungen in der Software. Bei Ersatzteilbestellungen und Software-Updates achten Sie bitte auf das eingebaute Display, sowie auf den "Product Code". Angaben dazu finden Sie auf der Geräterückseite. Sollte in der Ersatzteilliste des Service Manuals Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, können Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal "<http://service.grundig.de>" finden.

Überprüfen Sie vor Austausch der Hauptplatte, ob die Aufkleber der Platinen identisch sind.

Product and Display Variants

Product Variants

Following TV sets are fitted with chassis LM as well as chassis LX:

- 26 LXW 68-8600 DL
- 32 LXW 82-8600 DL

The chassis type can be identified by the design and type shield.

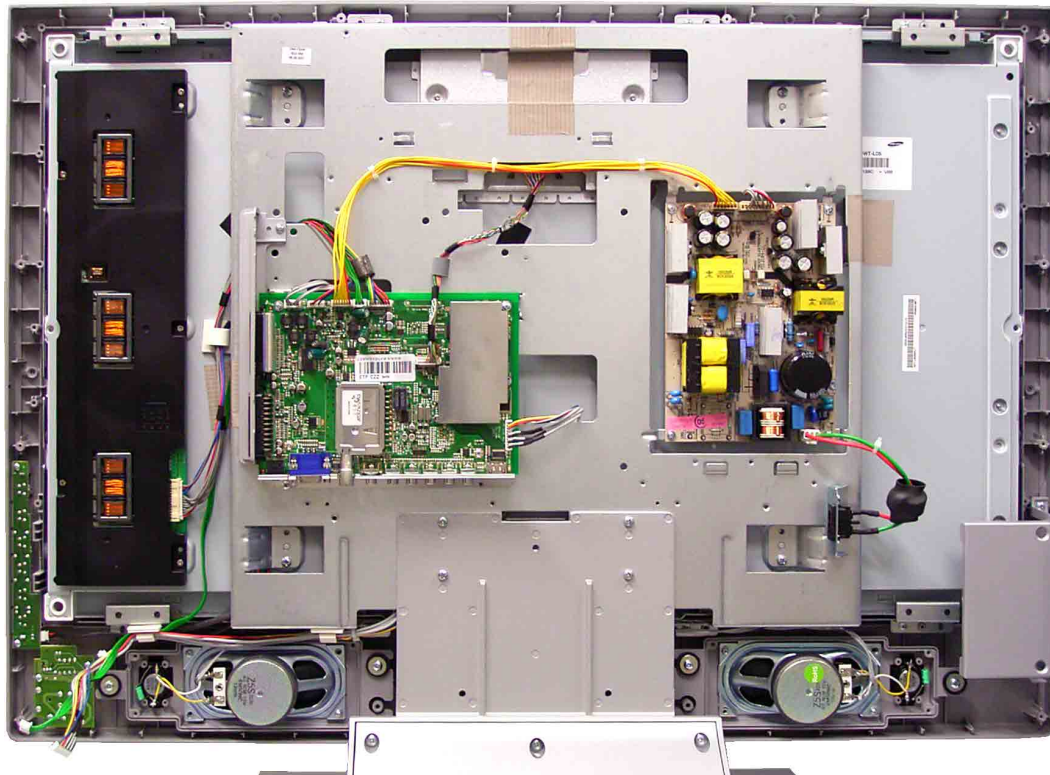
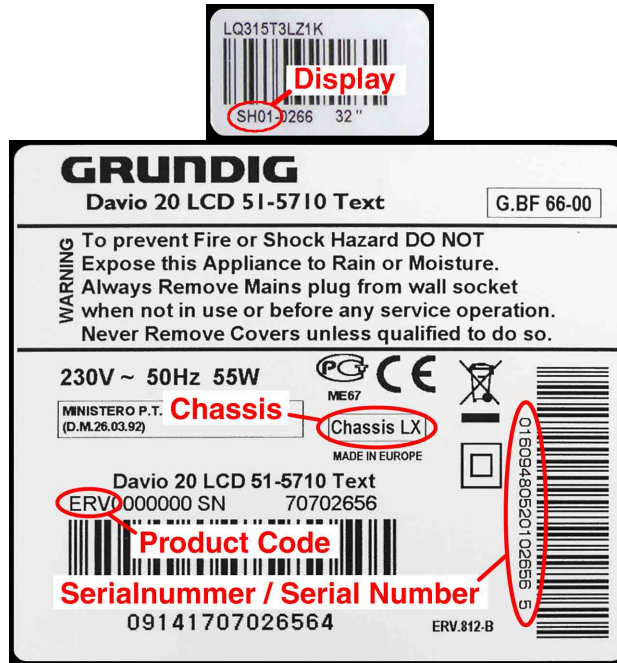
For chassis LM, please use following service manuals:

- Service Manual Chassis LM, Part Number 7201000513000
- Supplement 2 Chassis LM, Part Number 7201000513200

Display- und Product Code

Depending on availability displays of different manufacturer are built in. This results in different chassis mountings as well as a different software. On spare parts orders as well as software updates take care of the fitted display as well as of the "Product Code". Therefore you can find information on the labels on the rear side. If your "Product Code" or display variant is not mentioned in the spare parts list of the service manual, please look for a current version at the GRUNDIG service portal "<http://service.grundig.de>".

Before changing the main board please check whether the labels on the boards are identical.



Technische Daten / Technical Data

	Davio 20 LCD 51-5710 Text	Lenaro 19 LXW 49-7711 Text	Monaco 20 LCD 51-9732 DL
Order No.	G.BF 66-00	G.BF 64-00	G.BF 03-00
Product Code	ERV	EZT	ETR
Destination	D, CH, E, P, NL, PL, CZ, CIS	D, CH, I, F, E, P, NL, Nordic, PL, H	D, CH, HR, CZ
Approbations	CE, ME67	CE, I	CE
IM-Languages	D, F, I, NL, E, P, PL, CZ	D, F, I, NL, DK, N, S, FIN, E, P, PL	D, GB, F, I
EAN	40 13833-60948 3	40 13833-60946 9	40 13833-60656 7
Color	silver	glossy black/arta silver	silver/mystic black
DISPLAY			
Panel	20" / 51cm Active Matrix TFT-LC-Display	19" / 49cm Active Matrix TFT-LC-Display	20" / 51cm Active Matrix TFT-LC-Display
Wide-screen format	○	●	○
Response time	ca. 8ms	ca. 5ms	ca. 8ms
Brightness	ca. 500cd/m2	ca. 300cd/m2	ca. 500cd/m2
Contrast ratio (Panel)	ca. 700:1	ca. 700:1	ca. 700:1
Dynamic contrast plus	○	○	○
Viewing angle vertical / horizontal	ca. 130° / 150°	ca. 160° / 160°	ca. 130° / 150°
Physical display resolution max. pixel	VGA 640 x 480	WXGA 1440 x 900	VGA 640 x 480
PICTURE			
Reference Plus	○	○	○
Motion Compensation	○	○	○
	3D Deinterlacer	3D Deinterlacer	3D Deinterlacer
Natural view HD Reference	○	○	○
Full HD	○	○	○
Line Flicker Reduction	○	○	○
Digital Color Transition Improv. (DCTI)	●	●	●
Digital Combfilter	● (2D)	● (2D)	● (2D)
Digital Luminance Transition Improv. (DLTI)	●	●	●
Picture Noise Reduction (DNR)	●	●	●
CCS (Clear Color Screen)	○	○	○
Preset picture modes	user, natural, rich, soft	user, natural, rich, soft	user, natural, rich, soft
Aspect ratios (Format switching)	Auto (WSS), 4:3 / 16:9 / 14:9	Auto (WSS), 4:3 / 16:9 / 14:9 / LetterBox / Subtitle	Auto (WSS), 4:3 / 16:9 / 14:9
Blackline detection	○	○	○
PIP	○	○	○
Multifold Tuner scan (Mosaic Picture)	○	○	○
PAT: Split screen (PICTURE + TEXT)	○	●	○
PAP: Double Window (PICTURE+PICTURE)	○	○	○
P2AT: Double Window + TXT	○	○	○
POP: PICTURE on PICTURE	○	○	○
Picture freezing	●	●, in HDMI mode not available	●
Zoom with point function	○	○	○
Auto 16:9 selection via Scart	●	●	●
Sharpness control	●	●	●
Blue Background	●	●	●
CHASSIS			
TV-Chassis	LX	LX	LX
Progressive	○	○	○
Tuner	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning
µ-Processor	MSTAR	MSTAR	MSTAR
Scaler	MSTAR MST96885 (PAULO)	MSTAR MST96885 (PAULO)	MSTAR MST96885 (PAULO)
Keyboard	5 keys: ± for programme, ± for volume, stand-by	6 keys: menue, ± for programme, ± for volume, AV/TV	6 keys: Menu (pushing 2-3 sec. works as source), ± for programme, ± for volume, stand by
ELECTRONIC			
Stand by indicator	blue LED	blue LED	blue LED
EPG (Electronic Programme Guide)	○	○	○
Easy Dialog	○	○	○
Megalogic	○	○	○
Manual & autom. labeling of prog.	●	●	●
Programmable off timer	●	●	●
Programmable on timer	●	●	●
Intelligent channel search (Zapping funct.)	●	●	●
Programme Edit	●	●	●
Intelligent Programme Switch	○	○	○
Auto switch off	○	○	○
Programme memory TV/AV (opt.)	100 / 4	100 / 5	100 / 5
Teletext/Fasttext/Toptext	● / ● / ○	● / ● / ○	● / ● / ○
Teletext options	10 pages	10 pages	10 pages
Childlock	●	●	●
Menue languages OSD	26 Languages: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, SER, HEB (Version A)	26 Languages: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, SER, HEB (Version A)	26 Languages: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, SER, HEB (Version A)
OSD-style	Grundig-style	Grundig-style	Grundig-style
Service mode	●	●	●
Hotel mode	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment
TUNING			
Autom. Tuning System with country selection	full automatic sorting	full automatic sorting	full automatic sorting
Frequency Based Auto Search	●	●	●
Automatic Micro-search	○	○	○
Automatic Programming	○	○	○
Manual fine tuning	●	●	●
Direct channel selection	○	○	○
Direct frequency selection	○	○	○
TV-Norm	PAL/SECAM/BG/DK/I/L/L	PAL/SECAM/BG/DK/I/L/L	PAL/SECAM/BG/DK/I/L/L
NTSC-Playback via Scart (3,58/4,43)	●	●	●
PAL M/N, NTSC M	○	○	○
Cable TV / Hyperband (S1-S41)	●	●	●
AUDIO			
Mono/Stereo/Nicam	● / ● / ●	● / ● / ●	● / ● / ●
AV Stereo	●	●	●
Loudspeaker	2 wide band lateral	2 wide band lateral	2 wide band lateral
SRS	○	○	○
Virtual Dolby	○	○	○
Magic Fidelity Sound System	○	○	○
Matched Sound Delay (Lip synchronous)	○	○	○
Subwoofer	○	○	○
Dynamic Bass	○	○	○
DSP (Digital Sound Processor)	○	○	○
Balance Adjustment	●	●	●
AVL (Audio Volume Level)	●	●	●
PIP listening via Headphone.jack	○	○	○
Equalizer	5 Band	5 Band	5 Band
Space Sound Effect	●	●	●
Audio mode	cinema, music, sport, speech, user	cinema, music, sport, speech, user	cinema, music, sport, speech, user
Audio amplifier	2 x 5 / 10W (nominal/music)	2 x 5 / 10W (nominal/music)	2 x 5 / 10W (nominal/music)

	Davio 20 LCD 51-5710 Text	Lenaro 19 LXW 49-7711 Text	Monaco 20 LCD 51-9732 DL
DVB reception			
DVB-T/S/C	Retrofitting possible via Scart socket	Retrofitting possible via Scart socket	Retrofitting possible via Scart socket
Fully compliant to	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic/manual channel search	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EPG (SI based)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- 8 Day Electronic Programme Guide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- now/next	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- scheduled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Extended Event Info	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Short Event Info	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TV/Radio programmes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OSD languages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parental control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teletext VBI insertion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VPS - VBI insertion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Programme table	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Factory station list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DVB-T Front end			
Tuner inputs (Hyperband)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input frequency (MHz) / Loop through	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input level / Impedance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Modulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FEC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hierarchical modulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Active antenna support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Embedded Conditional Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Common Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Smart Card Reader	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Video Decoder			
MPEG profiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Resolution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OSD colors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Picture formats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Audio Decoder			
Profiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC 3 Decoding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC 3 Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Modes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Processor			
CPU	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RAM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flash	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Software			
Service information processing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DVB subtitling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Over air download (OTA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Navigator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
API	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Last station memory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Favourite mode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timer / Sleep timer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volume	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mute function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Swap function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
POWER SUPPLY / CABINET			
Power voltage	230V, 50Hz	230V, 50Hz	230V, 50Hz
Range of regulation	140V - 265V	100V - 240V, 50/60Hz	140V - 265V
Power switch	<input type="checkbox"/> , Tact switch	<input type="checkbox"/> , Tact switch	<input type="checkbox"/> , Tact switch
Integrated supply	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Plug-in AC adaptor	<input type="checkbox"/>	AC/DC-Adaptor 12 V- / 5 A	<input type="checkbox"/>
Power consumption (ca.)	55W, standby <2W in accordance to IEC 62087-2002	50W, standby <2W in accordance to IEC 62087-2002	55W, standby <2W in accordance to IEC 62087-2002
Cabinet (WxHxD, cm) /Weight	50,4 x 46,0 x 7,9cm (19,3cm with stand), ca. 8,6kg	54,8 x 41 x 8,7cm (17,4cm with stand) / ca. 7,5kg	50,5 x 49,5 x 8cm (19,2cm with stand), ca. 11kg
FRONT PANEL CONNECTIONS			
Headphones	<input type="checkbox"/>	3,5mm jack (side)	<input type="checkbox"/>
Cinch-AV socket	<input type="checkbox"/>	3 x Cinch - Video in, Audio in L/R (side)	<input type="checkbox"/>
S-Video	<input type="checkbox"/>	Hosiden (side)	<input type="checkbox"/>
REAR PANEL CONNECTIONS			
Euro-AV-Socket AV1	CVBS in-/output, RGB input	CVBS in-/output, RGB input	CVBS in-/output, RGB input
Euro-AV Socket AV2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Euro-AV Socket AV3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S-Video	Hosiden	<input type="checkbox"/>	Hosiden
Camera-AV	3x Cinch socket in	<input type="checkbox"/>	3x Cinch socket in
Wireless	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
YUV input / progressive	<input type="checkbox"/>	Video-in: 3 x Cinch, Audio-in: 2 x Cinch	<input type="checkbox"/>
PC-input	VGA	WXGA	VGA
PC-Audio in	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DVI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HDMI	<input type="checkbox"/>	1x	<input type="checkbox"/>
HD ready including HDCP	<input type="checkbox"/>	via HDMI	<input type="checkbox"/>
Common Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Headphones	3,5mm jack	<input type="checkbox"/>	3,5mm jack
Digital Audio out coaxial (SPDIF)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Video out	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Audio out	2 x Cinch	<input type="checkbox"/>	2 x Cinch
Antenna for terrestrial reception	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325
DC-connector	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power supply plug	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPPLIED ACCESSORIES			
Remote control (incl. battery)	TP 170 C silver	TP 170 C black	TP 170 C silver
Power cord	<input checked="" type="checkbox"/> (non grounded)	<input type="checkbox"/> / AC/DC-Adaptor 12 V- / 5 A, power cord (non grounded) length min. 1,5 m	<input checked="" type="checkbox"/> (non grounded)
Cables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Instruction manual	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Circuit diagram	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wall fixture	Prepared for VESA standard adaptor 100x100	Prepared for VESA standard adaptor 100x100	Prepared for VESA standard adaptor 100x100

	Vision 6 32-6820	Vision 20 LCD 51-8720 Text	Vivance II 32 LXW 82-6711 Text
Order No.	G.BG 65-00	G.BF 08-00	G.BF 85-00
Product Code	S8Q	ETQ	ETP
Destination	D, CH, P, NL, Nordic, PL, H, CZ	D, CH, I, E, P, NL, Nordic, CZ, H, HR, CIS	D, CH, P, NL, Nordic, PL, H, CZ
Approbations	CE	CE, I, ME67	CE
IM-Languages	D, GB, F, I, NL, DK, N, S, FIN, E, P, PL, CZ, H	D, GB, F, I, NL, DK, N, S, FIN, E, P, CZ, H	D, GB, F, I, NL, DK, N, S, FIN, E, P, PL, CZ
EAN	40 13833-61307 7	40 13833-60662 8	40 13833-61037 3
Color	glossy black/silver	mystic black	silver
DISPLAY			
Panel	32" / 81cm Active Matrix TFT-LC-Display	20" / 51cm Active Matrix TFT-LC-Display	32" / 81cm Active Matrix TFT-LC-Display
Wide-screen format	●	○	●
Response time	ca. 6ms	ca. 8ms	ca. 10ms
Brightness	ca. 500cd/m2	ca. 500cd/m2	ca. 500cd/m2
Contrast ratio (Panel)	ca. 2.000:1	ca. 700:1	ca. 2.000:1
Dynamic contrast plus	○	○	○
Viewing angle vertical / horizontal	ca. 178° / 178°	ca. 130° / 150°	ca. 178° / 178°
Physical display resolution max. pixel	WXGA 1366 x 768	VGA 640 x 480	WXGA 1366 x 768
PICTURE			
Reference Plus	○	○	○
Motion Compensation	○	○	○
Natural view HD Reference	○	○	○
Full HD	○	○	○
Line Flicker Reduction	○	○	○
Digital Color Transition Improv. (DCTI)	●	●	●
Digital Combfilter	● (2D)	● (2D)	● (2D)
Digital Luminance Transition Improv. (DLTI)	●	●	●
Picture Noise Reduction (DNR)	●	●	●
CCS (Clear Color Screen)	○	○	○
Preset picture modes	user, natural, rich, soft	user, natural, rich, soft	user, natural, rich, soft
Aspect ratios (Format switching)	Auto (WSS), 4:3 / 16:9 / 14:9 / LetterBox / Subtitle	Auto (WSS), 4:3 / 16:9 / 14:9	Auto (WSS), 4:3 / 16:9 / 14:9 / LetterBox / Subtitle
Blackline detection	○	○	○
PIP	○	○	○
Multifold Tuner scan (Mosaic Picture)	○	○	○
PAT: Split screen (PICTURE + TEXT)	●	○	●
PAP: Double Window (PICTURE+PICTURE)	○	○	○
P2AT: Double Window + TXT	○	○	○
POP: PICTURE on PICTURE	○	○	○
Picture freezing	●, in HDMI mode not available	●	●, in HDMI mode not available
Zoom with point function	○	○	○
Auto 16:9 selection via Scart	●	●	●
Sharpness control	●	●	●
Blue Background	●	●	●
CHASSIS			
TV-Chassis	LX	LX	LX
Progressive	○	○	○
Tuner	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning
µ-Processor	MSTAR	MSTAR	MSTAR
Scaler	MSTAR MST96885 (PAULO)	MSTAR MST96885 (PAULO)	MSTAR MST96885 (PAULO)
Keyboard	6 keys: Menu (pushing 2-3 sec. works as source), ± for programme, ± for volume, stand-by	6 keys: Menu (pushing 2-3 sec. works as source), ± for programme, ± for volume, stand-by	6 keys: Menu (pushing 2-3 sec. works as source), ± for programme, ± for volume, stand-by
ELECTRONIC			
Stand by indicator	blue LED	blue LED	blue LED
EPG (Electronic Programme Guide)	○	○	○
Easy Dialog	○	○	○
Megalogic	○	○	○
Manual & autom. labeling of prog.	●	●	●
Programmable off timer	●	●	●
Programmable on timer	●	●	●
Intelligent channel search (Zapping funct.)	●	●	●
Programme Edit	●	●	●
Intelligent Programme Switch	○	○	○
Auto switch off	○	○	○
Programme memory TV/AV (opt.)	100 / 7	100 / 5	100 / 7
Teletext/Fasttext/Toptext	● / ● / ○	● / ● / ○	● / ● / ○
Teletext options	10 pages	10 pages	10 pages
Childlock	●	●	●
Menu languages OSD	26 Languages: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, SER, HEB (Version A)	26 Languages: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, SER, HEB (Version A)	26 Languages: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, SER, HEB (Version A)
OSD-style	Grundig-style	Grundig-style	Grundig-style
Service mode	●	●	●
Hotel mode	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment
TUNING			
Autom. Tuning System with country selection	full automatic sorting	full automatic sorting	full automatic sorting
Frequency Based Auto Search	○	●	○
Automatic Micro-search	○	●	○
Automatic Programming	○	○	○
Manual fine tuning	●	●	●
Direct channel selection	●	●	●
Direct frequency selection	○	○	○
TV-Norm	PAL/SECAM/BG/DK/I/L	PAL/SECAM/BG/DK/I/L	PAL/SECAM/BG/DK/I/L
NTSC-Playback via Scart (3,58/4,43)	●	●	●
PAL M/N, NTSC M	○	○	○
Cable TV / Hyperband (S1-S41)	●	●	●
AUDIO			
Mono/Stereo/Nicam	● / ● / ●	● / ● / ●	● / ● / ●
AV Stereo	●	●	●
Loudspeaker	2 wide band at the front side	2 wide band lateral	2 wide band at the front side
SRS	○	○	○
Virtual Dolby	○	○	○
Magic Fidelity Sound System	○	○	○
Matched Sound Delay (Lip synchronous)	○	○	○
Subwoofer	○	○	○
Dynamic Bass	○	○	○
DSP (Digital Sound Processor)	○	○	○
Balance Adjustment	●	●	●
AVL (Audio Volume Level)	●	●	●
PIP listening via Headphone.jack	○	○	○
Equalizer	5 Band	5 Band	5 Band
Space Sound Effect	●	●	●
Audio mode	cinema, music, sport, speech, user	cinema, music, sport, speech, user	cinema, music, sport, speech, user
Audio amplifier	2 x 10 / 20W (nominal/music)	2 x 5 / 10W (nominal/music)	2 x 10 / 20W (nominal/music)

	Vision 6 32-6820	Vision 20 LCD 51-8720 Text	Vivance II 32 LXW 82-6711 Text
DVB reception			
DVB-T/S/C	Retrofitting possible via Scart socket	Retrofitting possible via Scart socket	Retrofitting possible via Scart socket
Fully compliant to	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic/manual channel search	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EPG (SI based)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- 8 Day Electronic Programme Guide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- now/next	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- scheduled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Extended Event Info	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Short Event Info	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TV/Radio programmes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OSD languages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parental control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teletext VBI insertion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VPS - VBI insertion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Programme table	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Factory station list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DVB-T Front end			
Tuner inputs (Hyperband)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input frequency (MHz) / Loop through	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input level / Impedance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Modulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FEC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hierarchical modulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Active antenna support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Embedded Conditional Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Common Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Smart Card Reader	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Video Decoder			
MPEG profiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Resolution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OSD colors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Picture formats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Audio Decoder			
Profiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC 3 Decoding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC 3 Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Modes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Processor			
CPU	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RAM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flash	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Software			
Service information processing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DVB subtitling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Over air download (OTA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Navigator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
API	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Last station memory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Favourite mode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timer / Sleep timer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volume	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mute function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Swap function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
POWER SUPPLY / CABINET			
Power voltage	230V, 50Hz	230V, 50Hz	230V, 50Hz
Range of regulation	140V - 265V	140V - 265V	140V - 265V
Power switch	<input type="checkbox"/> , Tact switch	<input type="checkbox"/> , Tact switch	<input type="checkbox"/> , Tact switch
Integrated supply	●	●	●
Plug-in AC adaptor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Power consumption (ca.)	145W, standby <2W in accordance to IEC 62087-2002	55W, standby <2W in accordance to IEC 62087-2002	145W, standby <2W in accordance to IEC 62087-2002
Cabinet (WxHxD, cm) /Weight	80,0 x 59,2 x 10,8cm (20,0cm with stand), ca. 20,7kg	50,5 x 49,5 x 8cm (19,2cm with stand), ca. 11kg	82,4 x 62,4 x 10,4cm (25cm with stand), ca. 21,0kg
FRONT PANEL CONNECTIONS			
Headphones	<input type="checkbox"/>	<input type="checkbox"/>	3.5mm jack (side)
Cinch-AV socket	<input type="checkbox"/>	<input type="checkbox"/>	3 x Cinch - Video in, Audio in L/R (side)
S-Video	<input type="checkbox"/>	<input type="checkbox"/>	Hosiden (side)
REAR PANEL CONNECTIONS			
Euro-AV-socket AV1	CVBS in-/output, RGB input	CVBS in-/output, RGB input	CVBS in-/output, RGB input
Euro-AV Socket AV2	CVBS in-/output	<input type="checkbox"/>	CVBS in-/output
Euro-AV Socket AV3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S-Video	Hosiden	Hosiden	<input type="checkbox"/>
Camera-AV	3x Cinch socket in	3x Cinch socket in	<input type="checkbox"/>
Wireless	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
YUV input / progressive	Video-in: 3 x Cinch, Audio-in: 2 x Cinch	<input type="checkbox"/>	Video-in: 3 x Cinch, Audio-in: 2 x Cinch
PC-input	WXGA	VGA	WXGA
PC-Audio in	●	●	●
DVI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HDMI	1x	<input type="checkbox"/>	1x
HD ready including HDCP	via HDMI	<input type="checkbox"/>	via HDMI
Common Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Headphones	3.5mm jack	3.5mm jack	<input type="checkbox"/>
Digital Audio out coaxial (SPDIF)	●	<input type="checkbox"/>	●
Video out	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Audio out	<input type="checkbox"/>	2 x Cinch	<input type="checkbox"/>
Antenna for terrestrial reception	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325
DC-connector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Power supply plug	●	●	●
SUPPLIED ACCESSORIES			
Remote control (incl. battery)	TP 170 C silver	TP 170 C black	TP 170 C silver
Power cord	● (non grounded)	● (non grounded)	● (non grounded)
Cables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Instruction manual	●	●	●
Circuit diagram	<input type="checkbox"/>	●	<input type="checkbox"/>
Wall fixture	Prepared for VESA standard adaptor 100x100	Prepared for VESA standard adaptor 100x100	Prepared for VESA standard adaptor 100x100

	26 LXW 68-8600 DL	32 LXW 82-8600 DL
Order No.	G.BF 86-00	G.BF 73-00
Product Code	T4G	T4K
Destination	D, CH, I, F, E, P, NL, Nordic, PL, H, CZ, SI, CIS	D, CH, I, F, E, P, NL, Nordic, PL, H, CZ, SI, CIS
Approbations	CE, I, ME67	CE, I, ME67
IM-Languages	D, GB, F, I, NL, DK, N, S, FIN, E, P, PL, CZ, H	D, GB, F, I, NL, DK, N, S, FIN, E, P, PL, CZ, H
EAN	40 13833-61038 0	40 13833-60983 4
Color	mystic black	mystic black
DISPLAY		
Panel	26" / 66 cm Active Matrix TFT-LC-Display	32" / 81 cm Active Matrix TFT-LC-Display
Wide-screen format	●	●
Response time	ca. 8ms	ca. 6,5ms
Brightness	ca. 500cd/m2	ca. 550cd/m2
Contrast ratio (Panel)	1.000:1	1.200:1
Dynamic contrast plus	○	○
Viewing angle vertical / horizontal	ca. 176° / 176°	ca. 176° / 176°
Physical display resolution max. pixel	WXGA 1366 x 768	WXGA 1366 x 768
PICTURE		
Reference Plus	○	○
Motion Compensation	○	○
Natural view HD Reference	○	○
Full HD	○	○
Line Flicker Reduction	○	○
Digital Color Transition Improv. (DCTI)	●	●
Digital Combfilter	● (2D)	● (2D)
Digital Luminance Transition Improv. (DLTI)	●	●
Picture Noise Reduction (DNR)	●	●
CCS (Clear Color Screen)	○	○
Preset picture modes	user, natural, rich, soft	user, natural, rich, soft
Aspect ratios (Format switching)	Auto (WSS), 4:3 / 16:9 / 14:9 / LetterBox / Subtitle	Auto (WSS), 4:3 / 16:9 / 14:9 / LetterBox / Subtitle
Blackline detection	○	○
PIP	○	○
Multifold Tuner scan (Mosaic Picture)	○	○
PAT: Split screen (PICTURE + TEXT)	●	●
PAP: Double Window (PICTURE+PICTURE)	○	○
P2AT: Double Window + TXT	○	○
POP: PICTURE on PICTURE	○	○
Picture freezing	●, in HDMI mode not available	●, in HDMI mode not available
Zoom with point function	○	○
Auto 16:9 selection via Scart	●	●
Sharpness control	●	●
Blue Background	●	●
CHASSIS		
TV-Chassis	LX	LX
Progressive	○	○
Tuner	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning
µ-Processor	MSTAR	MSTAR
Scaler	MSTAR MST96885 (PAULO)	MSTAR MST96885 (PAULO)
Keyboard	6 keys: Menu (pushing 2-3 sec. works as source), ± for programme, ± for volume, stand-by	6 keys: Menu (pushing 2-3 sec. works as source), ± for programme, ± for volume, stand-by
ELECTRONIC		
Stand by indicator	blue LED	blue LED
EPG (Electronic Programme Guide)	○	○
Easy Dialog	○	○
Megalogic	○	○
Manual & autom. labeling of prog.	●	●
Programmable off timer	●	●
Programmable on timer	●	●
Intelligent channel search (Zapping funct.)	●	●
Programme Edit	●	●
Intelligent Programme Switch	○	○
Auto switch off	○	○
Programme memory TV/AV (opt.)	100 / 7	100 / 7
Teletext/Fasttext/Toptext	● / ● / ●	● / ● / ●
Teletext options	10 pages	10 pages
Childlock	●	●
Menue languages OSD	26 Languages: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, SER, HEB (Version A)	26 Languages: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, SER, HEB (Version A)
OSD-style	Grundig-style	Grundig-style
Service mode	●	●
Hotel mode	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment
TUNING		
Autom. Tuning System with country selection	full automatic sorting	full automatic sorting
Frequency Based Auto Search	●	●
Automatic Micro-search	●	●
Automatic Programming	○	○
Manual fine tuning	●	●
Direct channel selection	●	●
Direct frequency selection	○	○
TV-Norm	PAL/SECAM/BG/DK/I/L	PAL/SECAM/BG/DK/I/L
NTSC-Playback via Scart (3,58/4,43)	●	●
PAL M/N, NTSC M	○	○
Cable TV / Hyperband (S1-S41)	●	●
AUDIO		
Mono/Stereo/Nicam	● / ● / ●	● / ● / ●
AV Stereo	●	●
Loudspeaker	2 wide band intern and 2 tweeter at front side	2 wide band intern and 2 tweeter at front side
SRS	○	○
Virtual Dolby	○	○
Magic Fidelity Sound System	○	○
Matched Sound Delay (Lip synchronous)	○	○
Subwoofer	○	○
Dynamic Bass	○	○
DSP (Digital Sound Processor)	○	○
Balance Adjustment	●	●
AVL (Audio Volume Level)	●	●
PIP listening via Headphone.jack	○	○
Equalizer	5 Band	5 Band
Space Sound Effect	●	●
Audio mode	cinema, music, sport, speech, user	cinema, music, sport, speech, user
Audio amplifier	2 x 7 / 14W (nominal/music)	2 x 10 / 20W (nominal/music)

	26 LXW 68-8600 DL	32 LXW 82-8600 DL
DVB reception		
DVB-T/S/C	Retrofitting possible via Scart socket	Retrofitting possible via Scart socket
Fully compliant to	<input type="checkbox"/>	<input type="checkbox"/>
Automatic/manual channel search	<input type="checkbox"/>	<input type="checkbox"/>
EPG (SI based)	<input type="checkbox"/>	<input type="checkbox"/>
- 8 Day Electronic Programme Guide	<input type="checkbox"/>	<input type="checkbox"/>
- now/next	<input type="checkbox"/>	<input type="checkbox"/>
- scheduled	<input type="checkbox"/>	<input type="checkbox"/>
- Extended Event Info	<input type="checkbox"/>	<input type="checkbox"/>
- Short Event Info	<input type="checkbox"/>	<input type="checkbox"/>
TV/Radio programmes	<input type="checkbox"/>	<input type="checkbox"/>
OSD languages	<input type="checkbox"/>	<input type="checkbox"/>
Parental control	<input type="checkbox"/>	<input type="checkbox"/>
Teletext VBI insertion	<input type="checkbox"/>	<input type="checkbox"/>
VPS - VBI insertion	<input type="checkbox"/>	<input type="checkbox"/>
Programme table	<input type="checkbox"/>	<input type="checkbox"/>
Factory station list	<input type="checkbox"/>	<input type="checkbox"/>
DVB-T Front end		
Tuner inputs (Hyperband)	<input type="checkbox"/>	<input type="checkbox"/>
Input frequency (MHz) / Loop through	<input type="checkbox"/>	<input type="checkbox"/>
Input level / Impedance	<input type="checkbox"/>	<input type="checkbox"/>
Modulation	<input type="checkbox"/>	<input type="checkbox"/>
FEC	<input type="checkbox"/>	<input type="checkbox"/>
Hierarchical modulation	<input type="checkbox"/>	<input type="checkbox"/>
Active antenna support	<input type="checkbox"/>	<input type="checkbox"/>
Embedded Conditional Access	<input type="checkbox"/>	<input type="checkbox"/>
Common Interface	<input type="checkbox"/>	<input type="checkbox"/>
Smart Card Reader	<input type="checkbox"/>	<input type="checkbox"/>
Video Decoder		
MPEG profiles	<input type="checkbox"/>	<input type="checkbox"/>
Data rate	<input type="checkbox"/>	<input type="checkbox"/>
Resolution	<input type="checkbox"/>	<input type="checkbox"/>
OSD colors	<input type="checkbox"/>	<input type="checkbox"/>
Picture formats	<input type="checkbox"/>	<input type="checkbox"/>
Audio Decoder		
Profiles	<input type="checkbox"/>	<input type="checkbox"/>
AC 3 Decoding	<input type="checkbox"/>	<input type="checkbox"/>
AC 3 Output	<input type="checkbox"/>	<input type="checkbox"/>
Modes	<input type="checkbox"/>	<input type="checkbox"/>
Processor		
CPU	<input type="checkbox"/>	<input type="checkbox"/>
RAM	<input type="checkbox"/>	<input type="checkbox"/>
Flash	<input type="checkbox"/>	<input type="checkbox"/>
Software		
Service information processing	<input type="checkbox"/>	<input type="checkbox"/>
DVB subtitling	<input type="checkbox"/>	<input type="checkbox"/>
Over air download (OTA)	<input type="checkbox"/>	<input type="checkbox"/>
Navigator	<input type="checkbox"/>	<input type="checkbox"/>
API	<input type="checkbox"/>	<input type="checkbox"/>
Last station memory	<input type="checkbox"/>	<input type="checkbox"/>
Favourite mode	<input type="checkbox"/>	<input type="checkbox"/>
Timer / Sleep timer	<input type="checkbox"/>	<input type="checkbox"/>
Clock	<input type="checkbox"/>	<input type="checkbox"/>
Volume	<input type="checkbox"/>	<input type="checkbox"/>
Mute function	<input type="checkbox"/>	<input type="checkbox"/>
Swap function	<input type="checkbox"/>	<input type="checkbox"/>
POWER SUPPLY / CABINET		
Power voltage	230V, 50Hz	230V, 50Hz
Range of regulation	140V - 265V	140V - 265V
Power switch	<input type="checkbox"/> , Tact switch	<input type="checkbox"/> , Tact switch
Integrated supply	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Plug-in AC adaptor	<input type="checkbox"/>	<input type="checkbox"/>
Power consumption (ca.)	120W, standby <2W in accordance to IEC 62087-2002	145W, standby <2W in accordance to IEC 62087-2002
Cabinet (WxHxD, cm) /Weight	70,1 x 53,7 x 9,7cm (20,6cm with stand) / ca. 14,0kg	82,4 x 61,2 x 10,3cm (24,8cm with stand) / ca. 20,7kg
FRONT PANEL CONNECTIONS		
Headphones	3.5mm jack (side)	3.5mm jack (side)
Cinch-AV socket	3 x Cinch - Video in, Audio in L/R (side)	3 x Cinch - Video in, Audio in L/R (side)
S-Video	Hosiden (side)	Hosiden (side)
REAR PANEL CONNECTIONS		
Euro-AV-socket AV1	CVBS in-/output, RGB input	CVBS in-/output, RGB input
Euro-AV Socket AV2	CVBS in-/output	CVBS in-/output
Euro-AV Socket AV3	<input type="checkbox"/>	<input type="checkbox"/>
S-Video	<input type="checkbox"/>	<input type="checkbox"/>
Camera-AV	<input type="checkbox"/>	<input type="checkbox"/>
Wireless	<input type="checkbox"/>	<input type="checkbox"/>
YUV input / progressive	Video-in: 3 x Cinch, Audio-in: 2 x Cinch	Video-in: 3 x Cinch, Audio-in: 2 x Cinch
PC-input	WXGA	WXGA
PC-Audio in	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DVI	<input type="checkbox"/>	<input type="checkbox"/>
HDMI	1x	1x
HD ready including HDCP	via HDMI	via HDMI
Common Interface	<input type="checkbox"/>	<input type="checkbox"/>
Headphones	<input type="checkbox"/>	<input type="checkbox"/>
Digital Audio out coaxial (SPDIF)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Video out	<input type="checkbox"/>	<input type="checkbox"/>
Audio out	<input type="checkbox"/>	<input type="checkbox"/>
Antenna for terrestrial reception	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325
DC-connector	<input type="checkbox"/>	<input type="checkbox"/>
Power supply plug	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SUPPLIED ACCESSORIES		
Remote control (incl. battery)	TP 170 C black	TP 170 C black
Power cord	<input checked="" type="checkbox"/> (non grounded)	<input checked="" type="checkbox"/> (non grounded)
Cables	<input type="checkbox"/>	<input type="checkbox"/>
Instruction manual	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Circuit diagram	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Wall fixture	Prepared for VESA standard adaptor 100x100	Prepared for VESA standard adaptor 100x100

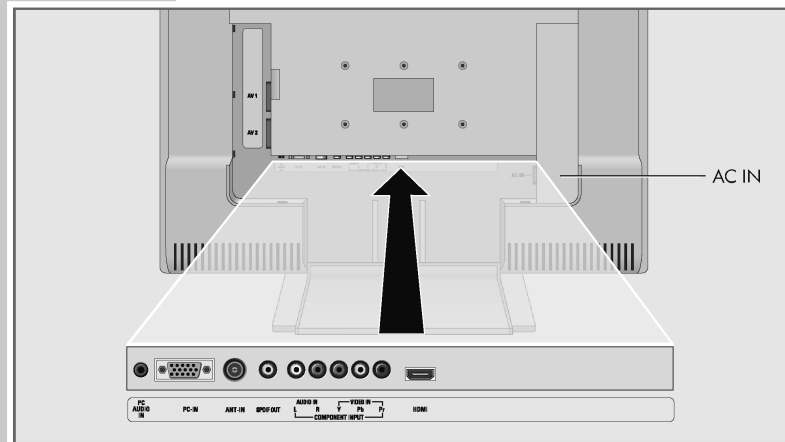
Bedienhinweise

Dieses Kapitel enthält Auszüge aus der Bedienungsanleitung.

Weitergehende Informationen entnehmen Sie bitte der gerätespezifischen Bedienungsanleitung, deren Materialnummer Sie in der entsprechenden Ersatzteilliste finden.

AUF EINEN BLICK

Die Anschlüsse des Fernsehgerätes



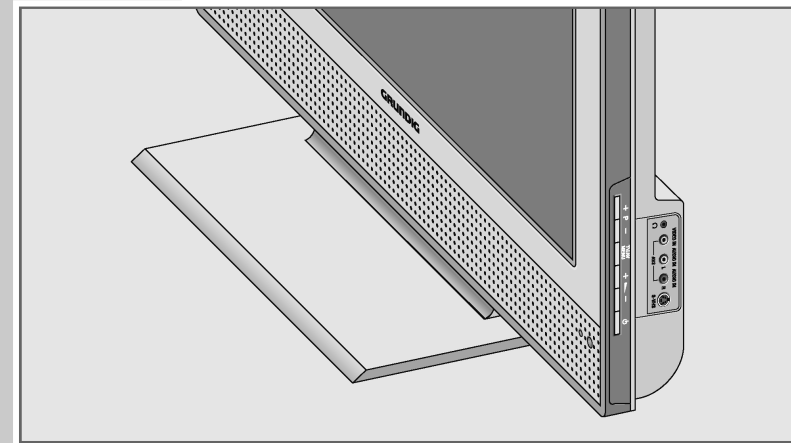
AV1	Euro/AV-Buchse (FBAS-Signal, RGB-Signal).
AV2	Euro/AV-Buchse (FBAS-Signal).
PC AUDIO IN	Tonsignal-Eingang für PC.
PC-IN	VGA-Buchse, Bildsignal-Eingang für PC.
ANT-IN	Antennenbuchse.
SPDIF OUT	Tonsignal-Ausgang (coaxial) für PCM-Signale; zum Anschließen eines digitalen Mehrkanal-Audio-/Videoverstärkers oder AV-Receiver.
COMPONENT INPUT	
AUDIO IN L R	Tonsignal-Eingang (YUV-Signal).
VIDEO IN Y Pb Pr	Bildsignal-Eingang (YUV-Signal).
HDMI	HDMI-Buchse, Ton-/Bildsignal-Eingang (HDMI).
AC IN	Buchse für das Netzkabel.

DEUTSCH

7

AUF EINEN BLICK

Die Bedienelemente des Fernsehgerätes











	Schaltet das Fernsehgerät ein und wieder in Bereitschaft (Stand-by). Nur durch Ziehen des Netzsteckers wird das Fernsehgerät vom Stromnetz getrennt.
+ P -	Schalten das Fernsehgerät aus Stand-by ein; schrittweise Programmwahl; wählen Funktion im Menü.
TV/AV MENU	Ruft das Menü »INFO« auf; »TV/AV MENU« drücken und ca. 1 Sekunde gedrückt halten, ruft das Menü »SIGNAL-QUELLE« auf. Menüzeile mit »+ P -« anwählen; Funktion mit »+ ▸ -« aktivieren; Funktion mit »+ ▸ ▸ -« einstellen; Menü mit »TV/AV MENU« abschalten.
+ ▸ -	Verändern die Lautstärke; wählen Funktion im Menü.
	Kopfhöreranschluss (3,5 mm ø Klinke).
AV3 VIDEO IN	Bildsignal-Eingang für Camerarecorder.
AV3 AUDIO IN L R	Tonsignal-Eingang für Camerarecorder.
S-VHS	Bildsignal-Eingang für S-Video-Camerarecorder.

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AUF EINEN BLICK



Die Fernbedienung

-  Schaltet das Fernsehgerät ab (Stand-by).
- 1...0** Schaltet das Fernsehgerät aus Stand-by ein; wählt Programme direkt.
- ?** Blendet Nummer und Namen des Programmes ein; Antwortfreigabe im Videotext-Betrieb.
-  Schaltet das Bildformat um; schaltet auf doppelte Zeichengröße im Videotext-Betrieb.
- PIP** Taste ohne Funktion.
- AV** Ruft die Vorauswahl für AV-Programmplätze auf. Anwahl danach mit **P+** oder **P-**.
-  Ton ein/aus (stummschalten).
- i** Ruft das Menü »INFO« auf.
- Z** Zapp-Funktion; Seitenstop im Videotext-Betrieb.
- P+, P-** Schalten das Fernsehgerät aus Stand-by ein; wählen Programme schrittweise; bewegen Cursor nach oben/unten.
-  Ändern die Lautstärke; bewegen Cursor nach links/rechts.
- OK** Ruft die Programmtabelle auf; aktiviert verschiedene Funktionen.
- TXT** Schaltet um zwischen Videotext-Betrieb und TV-Betrieb.
- TV-G** Taste ohne Funktion.
-  Wählt verschiedenen Bildeinstellungen an; wählt im Videotext-Betrieb eine Seite.
-  Blendet die Uhrzeit ein; wählt im Videotext-Betrieb eine Seite.
-  Standbild; wählt im Videotext-Betrieb eine Seite.
-  Wählt verschiedenen Toneinstellungen an; wählt im Videotext-Betrieb eine Seite.



AUF EINEN BLICK

- SCAN** Vergrößert das Bild.
- PAT** Wählt die Funktion Split Screen.
- S** Wählt Unterseiten im Videotext-Betrieb.
- P** Aktualisiert eine Seite im Videotext-Betrieb.
- DR, DVD** Schaltet auf die Bedienung eines GRUNDIG Digital-Receiver, GRUNDIG Digital-Receiver mit Festplatte (PDR), GRUNDIG DVD-Player oder GRUNDIG DVD-Recorders. Entsprechende Taste (»DR«, »DVD«) gedrückt halten. Anschließend gewünschte Taste drücken.
- Hinweis:**
Die Taste »DR« ist für die Bedienung eines GRUNDIG Digital-Receiver (Fernbedienebene 1) vorprogrammiert.
Die Taste »DVD« ist für die Bedienung eines GRUNDIG DVD-Player vorprogrammiert.
Die Vorprogrammierung können Sie verändern, siehe Taste »AUX«.
Welche Funktionen Sie ausführen können, hängt von der Ausstattung des Gerätes ab. Probieren Sie es einfach aus.
- AUX** Fernbedienung für die Bedienung externer Geräte programmieren.
»AUX« drücken und gedrückt halten und gleichzeitig die drei Zifferntasten des entsprechenden Codes drücken:
»1«, »2«, »3« für GRUNDIG DVD-Player.
»4«, »5«, »6« für GRUNDIG DVD-Recorder.
»1«, »4«, »7« für GRUNDIG Digital-Receiver (Fernbedienebene 1).
»2«, »5«, »8« für GRUNDIG Digital-Receiver (Fernbedienebene 2).
»3«, »6«, »9« für GRUNDIG Digital-Receiver mit Festplatte (PDR).

KOMFORT-FUNKTIONEN

Kindersperre aktivieren

Sie können Fernseh-Programme, die für Kinder nicht geeignet sind, sperren.

- 1 Gewünschtes Fernseh-Programm mit »P+«, »P-« oder »1...0« wählen.
- 2 »INFO« aufrufen, dazu »i« drücken.
- 3 Zeile »SONDERFUNKTIONEN« mit »P+« oder »P-« anwählen und mit »OK« bestätigen.
- 4 Zeile »Kindersperre« mit »P+« oder »P-« anwählen.
- 5 Kindersperre mit »◀« oder »▶« aktivieren (Ein).
- 6 Einstellung mit »i« beenden.
- Der gewählte Programmplatz ist gesperrt.



Kindersperre abschalten

- 1 Gesperrtes Fernseh-Programm mit »1...0« wählen.
- 2 »INFO« aufrufen, dazu »i« drücken.
- 3 Zeile »SONDERFUNKTIONEN« mit »P+« oder »P-« anwählen und mit »OK« bestätigen.
- 4 Zeile »Kindersperre« mit »P+« oder »P-« anwählen.
- 5 Kindersperre mit »◀« oder »▶« abschalten (Aus).
- 6 Einstellung mit »i« beenden.



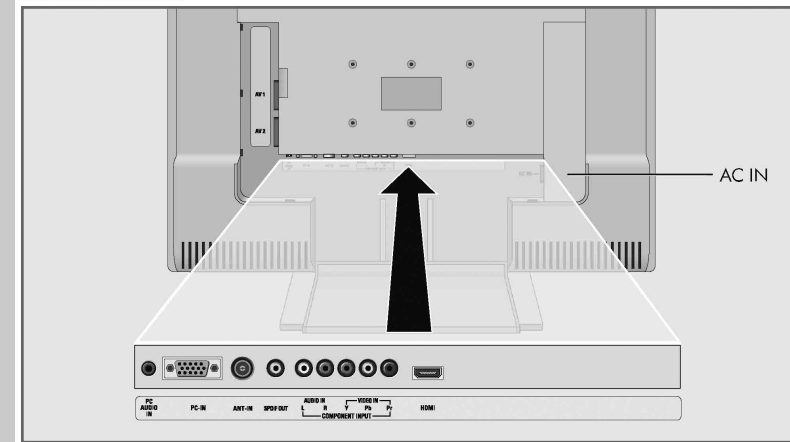
Operating Hints

This chapter contains excerpts from the operating instructions.

For further particulars please refer to the appropriate user instructions the part number of which is indicated in the relevant spare parts list.

OVERVIEW

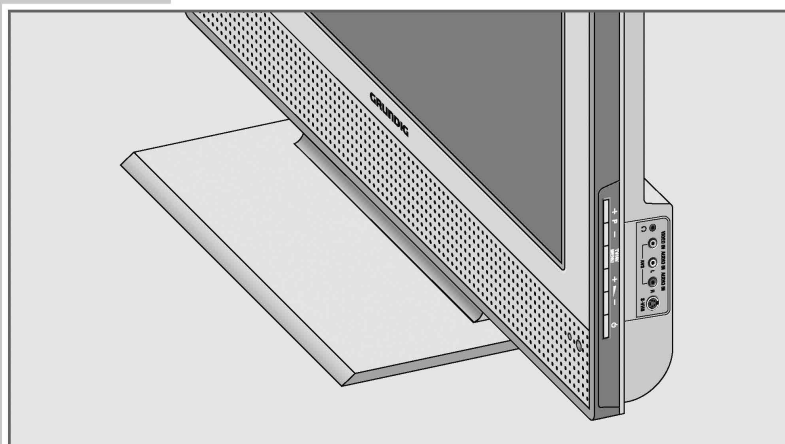
Connections on the television







AV1	Euro/AV socket (FBAS signal, RGB signal).
AV2	Euro/AV socket (FBAS signal).
PC AUDIO IN	Audio signal input for PC.
PC-IN	VGA socket, video signal input for PC.
ANT-IN	Antenna socket.
SPDIF OUT	Audio output sockets (coaxial) for PCM signals. For connecting to a digital multi-channel audio/video amplifier or AV receiver.
COMPONENT INPUT	
AUDIO IN LR	Audio signal input (YUV signal).
VIDEO IN Y Pb Pr	Video signal input (YUV signal).
HDMI	HDMI socket, audio/video signal input (HDMI).
AC IN	Socket for the mains cable.

OVERVIEW

Controls on the television











-  Switches the television on and back into standby mode.
The only way to disconnect the television from the mains supply is to pull the plug.
-  Switch the television on from standby.
Channel selection.
Select a function in the menu.
- TV/AV MENU**
 Opens the »MAIN MENU« menu.
 Press »**TV/AV MENU**« and hold down for a second to open the »SOURCE TABLE« menu.
 Press »+ P -« to select an item.
 Press »+ ▸ -« to activate a function.
 Press »+ ▸ -« to set a function.
 Press »**TV/AV MENU**« to close the menu.
-  Adjust the volume.
Select menu functions.
-  Headphone connection (3.5 mm jack plug).
- AV3 VIDEO IN** Video signal input for camcorder.
- AV3 AUDIO IN L R** Audio signal input for camcorder.
- S-VHS** Video signal input for S-Video camcorder.

OVERVIEW

The remote control



-  Switches off the television set (stand-by).
- 1...0** Switches the television on from standby mode
Selects channels directly.
- ?** Displays the number and name of a station;
reveals answers in teletext mode.
-  Switches between picture formats;
switches to double character size in teletext mode.
- PIP** Key has no function.
- AV** Opens the pre-selection for AV channels.
Then selection with **P+** or **P-**.
-  Sound on/off (mute).
- i** Calls up the »MAIN MENU«.
- Z** Zap function;
page stop in teletext mode.
- P+, P-** Switches the television on from standby;
selects stations step by step;
moves the cursor in the menus up and down.
-  Adjusts the volume;
moves the cursor left/right.
- OK** Calls up the preset channels;
activates various functions.
- TXT** Switches between teletext and TV modes
- TV-G** Key has no function.
-  Selects various picture settings;
selects a page in teletext mode.
-  Displays the time;
selects a page in teletext mode.
-  Freeze-frame;
selects a page in teletext mode.
-  Selects various audio settings;
selects a page in teletext mode.

OVERVIEW



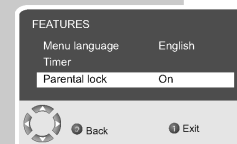
- SCAN** Enlarges the picture.
- PAT** Selects the Split Screen function.
- S** Selects the sub-pages in teletext mode.
- P** Updates a page in teletext mode.
- DR, DVD** Switches to operation of a GRUNDIG digital receiver, GRUNDIG digital receiver with hard disk (PDR), GRUNDIG DVD player or GRUNDIG DVD recorder.
- Keep the appropriate button (»DR«, »DVD«) pressed down. Then press the appropriate button.
- Note:**
The »DR« button has been programmed for operating a GRUNDIG digital receiver (remote control level 1).
The »DVD« button has been programmed for operating a GRUNDIG DVD player.
You can change this programming, see »AUX« button.
The functions available depend on the model of the device you are using.
Just try it out.
- AUX** Programming the remote control for the operation of external devices.
Press »AUX« and hold it down and press three numerical buttons to enter the appropriate code:
»1«, »2«, »3« for a GRUNDIG DVD player.
»4«, »5«, »6« for a GRUNDIG DVD recorder.
»1«, »4«, »7« for a GRUNDIG digital receiver (remote control level 1).
»2«, »5«, »8« for a GRUNDIG digital receiver (remote control level 2).
»3«, »6«, »9« for a GRUNDIG digital receiver with

CONVENIENCE FUNCTIONS

Activating the parental lock

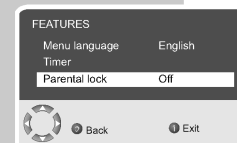
You can block programmes which are unsuitable for children.

- 1 Select the television channel with »P+«, »P-« or »1...0«.
- 2 To open the »MAIN MENU« press »i«.
- 3 Select »FEATURES« with »P+« or »P-« and confirm with »OK«.
- 4 Select »Parental lock« with »P+« or »P-« and confirm with »OK«.
- 5 Activate the parental lock with »◀« or »▶« (On).
- 6 Press »i« to finish the setting.
- The selected channel position is now blocked.



Deactivating the parental lock

- 1 Select the blocked television channel with »1...0«.
- 2 To open the »MAIN MENU« press »i«.
- 3 Select »FEATURES« with »P+« or »P-« and confirm with »OK«.
- 4 Select »Parental lock« with »P+« or »P-« and confirm with »OK«.
- 5 Switch off the parental lock with »◀« or »▶« (Off).
- 6 Press »i« to finish the setting.



Service- und Sonderfunktionen

Tastenfunktionen

- i Aufrufen des Dialog Centers / Menü verlassen
- P+/P- Menü-Zeile (Menüpunkt) wählen
- ◀/▶ Aufrufen der Menüs / Wert ändern
- TXT Beenden des Service Mode

Service-Mode aktivieren

- Taste "i" (INFO) drücken.
- Zahlenfolge "8500" eingeben.

Service-Mode beenden

- Taste "TXT" drücken.

1. Grundeinstellwerte

Die Grundeinstellwerte im Service Mode sind in der Tabelle enthalten.

Service and Special Functions

Functions of the buttons

- i Call up the Dialog Center / close down the Menu
- P+/P- Call up the dialogue line (point of menu)
- ◀/▶ Call up the Menus / Changing the settings
- TXT Exit the Service Mode

Calling up the Service Mode

- Press button "i" (INFO).
- Enter the code number "8500".

Exit the Service Mode

- Press button "TXT".

1. Basic Settings

The table shows all basic specific settings in the service mode.

Menü Menu P+ / P- ◀/▶	Menüpunkt Point of Menu P+ / P- ◀/▶	Einstellung Adjustment ◀/▶	Davio 20	Lenaro 19	Monaco 20	Vision 6 32-6820	Vision 20	Vivance II 32	26 LXW 68-8600 DL	32 LXW 82-8600 DL	Hinweis Hint	
			LCD 51-5710 Text	LXW 49-7711 Text	LCD 51-9732 DL		LCD 51-8720 Text	LXW 82-6711 Text				
OPTIONS 0	STANDBY	CUSTOMER	X	X	X	X	X	X	X	X	Netz-Ein -> Standby / Power on -> standby	
		FACTORY									Netz-Ein -> Programm 1 / Power on -> Programme 1	
	TEXT	FAST & TOP								X	X	
		FAST		X	X	X	X	X	X			
		NONE										
	TEXT TBL	AUTO		X	X	X	X	X	X	X	X	
		WEST										
		EAST										
		CYRL										
		ARAB										
		FARS										
		HEBR										
	GREE											
	LANGUAGE	A		X	X	X	X	X	X	X	X	
		B										
PANEL		Eingebautes Display wählen Select used display										
PLUG PLAY	ON		ATS Reset									Netz ein -> Automatischer Sendersuchlauf
	OFF		X	X	X	X	X	X	X	X	Power on -> automatic programme search	
TUNER		Eingebauten Tuner wählen Select used tuner										
2D/3D DEINTERLACE	2DDi											
	3DDi		X	X	X	X	X	X	X	X		
GAMMA	ON/OFF	ON	ON	ON	ON	ON	ON	ON	ON	ON	Gamma-Korrektur / Gamma Correction	
HDCP VERIFY		prüft HDCP im EEPROM / verifies the HDCP in EEPROM										
OPTIONS 1	BLUEBACK	ON/OFF	ON	ON	ON	ON	ON	ON	ON	ON		
	DLC	ON/OFF	ON	ON	ON	ON	ON	ON	ON	ON	Digitale Helligkeitsregelung / Digital Luminance Control	
	DNR	ON/OFF	ON	ON	ON	ON	ON	ON	ON	ON	Digitale Rauschunterdrückung / Digital Noise Reduction	
	PROTECTION	ON/OFF	ON	ON	ON	ON	ON	ON	ON	ON	Schutzschaltung / Protection	
	PANORAMA	AVAIL		X		X		X	X	X		
		NAVAIL		X		X		X				
	REMOTE CONTROL	TP 160C										
		TP 170C		X	X	X	X	X	X	X	X	
	KEYPAD	5 BUTTON										
		6 BUTTON										
		5 BUTTON WSTD		X								
		6 BUTTON WSTD				X		X	X			
		5 BUTTON+1STD								X	X	
	PAT	6 BUTTON+1STD			X		X					
		AVAIL			X		X		X	X	X	Bild & Text Picture & Text
HOTEL	NAVAIL		X		X		X					
	AVAIL		X	X	X	X	X	X	X	X	Hotel-Mode	
HOTEL VOL	0...63	10	10	10	10	10	10	10	10	10	Maximale Lautstärke im Hotel-Mode Hotel mode - volume maximum	
TTX PAGE SIZE	10/250/1000	10	10	10	10	10	10	10	10	10		

Menü Menu P+ / P- ◀ / ▶	Menüpunkt Point of Menu P+ / P- ◀ / ▶	Einstellung Adjustment ◀ / ▶	Devio 20 LCD 51-8710 Text	Lenaro 19 LXW 49-7711 Text	Monaco 20 LCD 51-9732 DL	Vision 6 32-6820	Vision 20 LCD 51-8720 Text	Vivance II 32 LXW 82-6711 Text	26 LXW 68-8600 DL	32 LXW 82-8600 DL	Hinweis Hint	
OPTIONS 2	VGA	AVAIL	X	X	X	X	X	X	X	X		
		NAVAIL										
	HDMI	AVAIL		X		X		X	X	X		
		NAVAIL	X		X		X					
	TV	AVAIL	X	X	X	X	X	X	X	X		
		NAVAIL										
	AV	AVAIL	X	X	X	X	X	X	X	X	Audio/Video-Eingang / Input	
		NAVAIL										
	SV	AVAIL	X	X	X	X	X	X	X	X	S-Video-Eingang / Input	
		NAVAIL										
	SCART1	AVAIL	X	X	X	X	X	X	X	X		
		NAVAIL										
	SCART2	AVAIL				X		X	X	X		
		NAVAIL	X	X	X		X					
YPBPR	AVAIL		X		X		X	X	X			
	NAVAIL	X		X		X						
SOUND OPTIONS	BG	EUROPE	X	X	X	X	X	X	X	X		
		NEW										
		AUS										
		NAVAIL										
	DK	AVAIL	X	X	X	X	X	X	X	X		
		NAVAIL										
	I	AVAIL	X	X	X	X	X	X	X	X		
		NAVAIL										
	LL	AVAIL	X	X	X	X	X	X	X	X		
		NAVAIL										
	HEADPHONE	AVAIL	X	X	X	X	X	X	X	X	Kopfhörer / Headphone	
		NAVAIL										
	ATS	AVAIL	X	X	X	X	X	X	X	X	Automatische Sendereinstellung mit Ländersortierung Autom. Tuning System with country selection	
		NAVAIL										
HIDEV	AVAIL											
	NAVAIL	X	X	X	X	X	X	X	X			
IF SETTINGS	AGC VHF	0...31	11	11	11	11	11	11	11	11		
	AGV UHF	0...31	11	11	11	11	11	11	11	11		
	AGC LPRIME	0...31	12	12	12	12	12	12	12	12		
	AGC VIDEO	ON/OFF	ON	ON	ON	ON	ON	ON	ON	ON		
DIMMING	DIMMING VALUE	0...255	Maximale Intensität der Hintergrundbeleuchtung einstellen Set maximum intensity of backlight									
ADJUSTMENTS	IBC	R	Alle Einstellung sind in Abhängigkeit des Displays und der Geräte-Eingänge einzustellen, siehe Punkt 1.1. All settings depend on panel and input selection, see point 1.1.								Helligkeits-Einstell-Menü Independent Brightness Control submenu	
		G										
		B										
		C										
		M										
		Y										
		F										
	ICC	R	Alle Einstellung sind in Abhängigkeit des Displays und der Geräte-Eingänge einzustellen, siehe Punkt 1.1. All settings depend on panel and input selection, see point 1.1.								Kontrast-Einstell-Menü Independent Contrast Control submenu	
		G										
		B										
		C										
		M										
		Y										
		F										
	ADJUST	R GAIN	Alle Einstellung sind in Abhängigkeit des Displays und der Geräte-Eingänge einzustellen, siehe Punkt 1.1. All settings depend on panel and input selection, see point 1.1.								Helligkeits-Einstell-Menü Independent Brightness Control submenu	
		G GAIN										
		B GAIN										
		R OFFSET										
	G OFFSET	Alle Einstellung sind in Abhängigkeit des Displays und der Geräte-Eingänge einzustellen, siehe Punkt 1.1. All settings depend on panel and input selection, see point 1.1.								Helligkeits-Einstell-Menü Independent Brightness Control submenu		
	B OFFSET											
	SUB CONTRAST											
	SUB BRIGHTNESS											
	SUB SATURATION	Alle Einstellung sind in Abhängigkeit des Displays und der Geräte-Eingänge einzustellen, siehe Punkt 1.1. All settings depend on panel and input selection, see point 1.1.								Helligkeits-Einstell-Menü Independent Brightness Control submenu		

Menü Menu P+ / P- ◀ / ▶	Menüpunkt Point of Menu P+ / P- ◀ / ▶	Einstellung Adjustment ◀ / ▶	David 20	Lenaro 19	Monaco 20	Vision 6 32-6820	Vision 20	Vivance II 32	26 LXW 68-8600 DL	32 LXW 82-8600 DL	Hinweis Hint
			LCD 51-5710 Text	LXW 49-7711 Text	LCD 51-9732 DL		LCD 51-8720 Text	LXW 82-6711 Text			
ADJUSTMENTS	SCART-1 RGB ADC	R GAIN					78				
		G GAIN					77				
		B GAIN					78				
		R OFFSET					128				
		G OFFSET					129				
		B OFFSET					127				
		RESET TO VGA									
AUTO COLOR											
TEST PATTERN EN.			ON / OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
TEST PATTERN			gewünschtes Testbild wählen / select test pattern								
EEPROM EDIT	ADDRESS										
	DATA										
	EEPROM RESET			Achtung: Nach dem EEPROM Reset sind alle gerätespezifischen Einstellwerte einzustellen! Attention: After EEPROM Reset adjust all set specific values!							

1.1 Panel-Grundeinstellwerte

Die Panel-Grundeinstellwerte sind für jede Eingangsquelle separat einzustellen.

1.1 Basic Panel Settings

The basic panel specific settings are adjustable for all separate input signal.

Panel	Menü Menu P+ / P- ◀ / ▶	Menüpunkt Point of Menu P+ / P- ◀ / ▶	Einstellung Adjustment ◀ / ▶	Eingangs-Signal / Input Signal									
				CVBS (Pal)	RGB (Pal)	CVBS (NTSC)	RGB (NTSC)	Tuner (Pal)	PC	Comp SD	Comp HD	HDMI	
19"	ADJUSTMENTS	IBC	IBC - R, G, B, C, M, Y, F	-	-	-	-	-	-	-	-	-	
		IBC	IBC	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
		ICC	ICC - R, G, B, C, M, Y, F	15	15	15	15	15	15	15	-	15	
		ICC	ICC	ON	ON	ON	ON	ON	ON	ON	-	ON	
		ADJUST	R, G, B GAIN	127*	127*	127*	127*	127*	127*	127*	127*	-	127*
			R, G, B OFFSET	127*	127*	127*	127*	127*	127*	127*	127*	-	127*
			SUB CONTRAST	42	46	48	46	38	50	40	-	40	
			SUB BRIGHTNESS	8	8	5	8	4	16	12	-	16	
SUB SATURATION	63	40	40	40	63	-	20	-	50				
20"	ADJUSTMENTS	IBC	IBC - R, G, B, C, M, Y, F	-	-	-	-	-	-	-	-	-	
		IBC	IBC	OFF	OFF	OFF	OFF	OFF	OFF	-	-	-	
		ICC	ICC - R, G, B, C, M, Y, F	8	8	8	8	8	8	-	-	-	
		ICC	ICC	ON	ON	ON	ON	ON	ON	-	-	-	
		ADJUST	R, G, B GAIN	127*	127*	127*	127*	127*	127*	127*	-	-	-
			R, G, B OFFSET	127*	127*	127*	127*	127*	127*	127*	-	-	-
			SUB CONTRAST	46	45	54	48	50	54	-	-	-	
			SUB BRIGHTNESS	10	13	6	0	10	8	-	-	-	
SUB SATURATION	44	44	40	44	44	-	-	-	-				
26"	ADJUSTMENTS	IBC	IBC - R, G, B, C, M, Y, F	-	-	-	-	-	-	-	-	-	
		IBC	IBC	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
		ICC	ICC - R, G, B, C, M, Y, F	8	8	8	8	8	8	8	8	8	
		ICC	ICC	ON	ON	ON	ON	ON	ON	ON	ON	ON	
		ADJUST	R, G, B GAIN	127*	127*	127*	127*	127*	127*	127*	127*	127*	127*
			R, G, B OFFSET	127*	127*	127*	127*	127*	127*	127*	127*	127*	127*
			SUB CONTRAST	34	40	54	52	46	50	40	40	40	
			SUB BRIGHTNESS	15	10	8	0	12	16	12	12	10	
SUB SATURATION	40	35	40	40	56	-	40	40	-				
32"	ADJUSTMENTS	IBC	IBC - R, G, B, C, M, Y, F	-	-	-	-	-	-	-	-	-	
		IBC	IBC	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
		ICC	ICC - R, G, B, C, M, Y, F	8	8	8	8	8	8	8	8	8	
		ICC	ICC	ON	ON	ON	ON	ON	ON	ON	ON	ON	
		ADJUST	R, G, B GAIN	127*	127*	127*	127*	127*	127*	127*	127*	127*	127*
			R, G, B OFFSET	127*	127*	127*	127*	127*	127*	127*	127*	127*	127*
			SUB CONTRAST	34	40	54	52	46	50	40	40	40	
			SUB BRIGHTNESS	15	10	8	0	12	16	12	12	10	
SUB SATURATION	40	35	40	40	56	-	40	40	-				

* Mittelwert (Weiß- und Schwarzwert je Eingangs-Signal separat einstellen) / Average value (adjust white and black value for all input signals)

2. Austausch der Hauptplatte oder des IC306

Nach dem Austausch der Hauptplatte oder des IC306 sind die Grundeinstellwerte im Service Mode entsprechend der Tabelle einzustellen.

3. Software-Versionsnummer

Die Software-Versionsnummer wird unten im Service-Menü angezeigt, z.B.:

SLX.512G 03 T00 v13 26/07/07 14:58:30

4. Programmsuchlauf

- Taste "i" (INFO) drücken.
 - "Installation" mit den Tasten P+ / P- anwählen und mit der Taste "OK" bestätigen.
 - "Programmsuchlauf" mit den Tasten P+ / P- anwählen und mit der Taste "OK" bestätigen.
 - Gewünschtes Land mit den Tasten P+ / P-, ◀ / ▶ auswählen und mit der Taste "OK" bestätigen.
Das automatische Sendersuchsystem stoppt bei jedem empfangswürdigen Sender (AFC und Koinzidenz) und speichert automatisch die entsprechenden Senderdaten mit dem jeweiligen Standard. Danach wird der Suchlauf fortgesetzt.
- Zum Abbrechen des Suchlaufes die Taste "i" drücken.

5. EEPROM Edit

Diese Funktion ist ausschließlich für die Entwicklung und darf nur nach besonderer Aufforderung verwendet werden. Bei falschen Eingaben sind die Gerätefunktionen nicht mehr gewährleistet.

6. Hotel-Mode

Bei aktivierter Funktion ist die maximale Lautstärke begrenzt und die Programmtabelle und Installation sind im MAIN MENU nicht mehr anwählbar.

Aufruf: "i" -> "8500" -> P+ / P- "OPTION 1" -> ▶ -> P+ / P- "HOTEL" -> ◀ / ▶ "AVAIL".

Maximale Lautstärke: "i" -> "8500" -> P+ / P- "OPTION 1" -> ▶ -> P+ / P- "HOTEL VOLUME" -> ◀ / ▶ Wert 0...63.

6.1 Sonderfunktion bei aktiviertem Hotel-Mode

Bei dieser Sonderfunktion ist im Menü Ton die maximale Lautstärke "Maxvol" zusätzlich einstellbar. Des weiteren sind die Menüs Programmtabelle und Sonderfunktionen bis zum nächsten Ausschalten (Standby) des Gerätes verfügbar.

Aufruf: "i" -> "Ton" -> "OK" -> "4658"

7. Display

Sollte kein Bild sichtbar sein weil ein falsches Panel eingestellt ist, dann ist die Umstellung des Panels nur mit Blind-Bedienung möglich. Folgende Bedienschritte sind so lange auszuführen bis ein Bild sichtbar ist.

Aufruf: "i" -> "8500" -> ▶ -> "P-" 4 mal drücken -> ▶ -> "TXT" -> Gerät aus- und wieder einschalten. Wenn ein Bild sichtbar ist, dann sind diese Bedienschritte nochmals auszuführen um das richtige Panel (gemäß Display-Typenschild) einzustellen.

2. Change of the Main Board or IC306

After changing the Main Board or IC306 all basic settings in the service mode must be done according to the table.

3. Software Version Number

The software version number is shown on the down part of the service menu, e.g.:

SLX.512G 03 T00 v13 26/07/07 14:58:30

4. Programme Search

- Press button "i" (MAIN MENU).
- Select "Setup" with the buttons P+ / P- and confirm with button "OK".
- Select "Autoprogram" with the buttons P+ / P- and confirm with button "OK".
- Select the required Country with the buttons P+ / P-, ◀ / ▶ and confirm with button "OK".
The autoprogrammes system stops at every station of acceptable reception quality (AFC and coincidence) and stores the station data and the respective standard automatically. The system then continues searching.

Pressing the "i" button stops the programme search.

5. EEPROM Edit

This function is only for development and is only allowed to use by special demand. Any incorrect settings may cause a defectiv set.

6. Hotel Mode

Maximum volume is limited and there is no access to "Preset List" and "Setup" at activated hotel mode.

Call up: "i" -> "8500" -> P+ / P- "OPTION 1" -> ▶ -> P+ / P- "HOTEL" -> ◀ / ▶ "AVAIL".

Maximum volume: "i" -> "8500" -> P+ / P- "OPTION 1" -> ▶ -> P+ / P- "HOTEL VOLUME" -> ◀ / ▶ Value 0...63.

6.1 Special Functions at activated Hotel Mode

The maximum volume can be adjusted in the additionally menu item "Maxvol" in the sound menu.

In addition there is access to the menus "Preset List" and "Channel Settings" until the set is switched off (standby).

Call up: "i" -> "Sound" -> "OK" -> "4658"

7. Display

If no picture is visible because of a wrong panel is adjusted, you can change the setting by "blind" adjust.

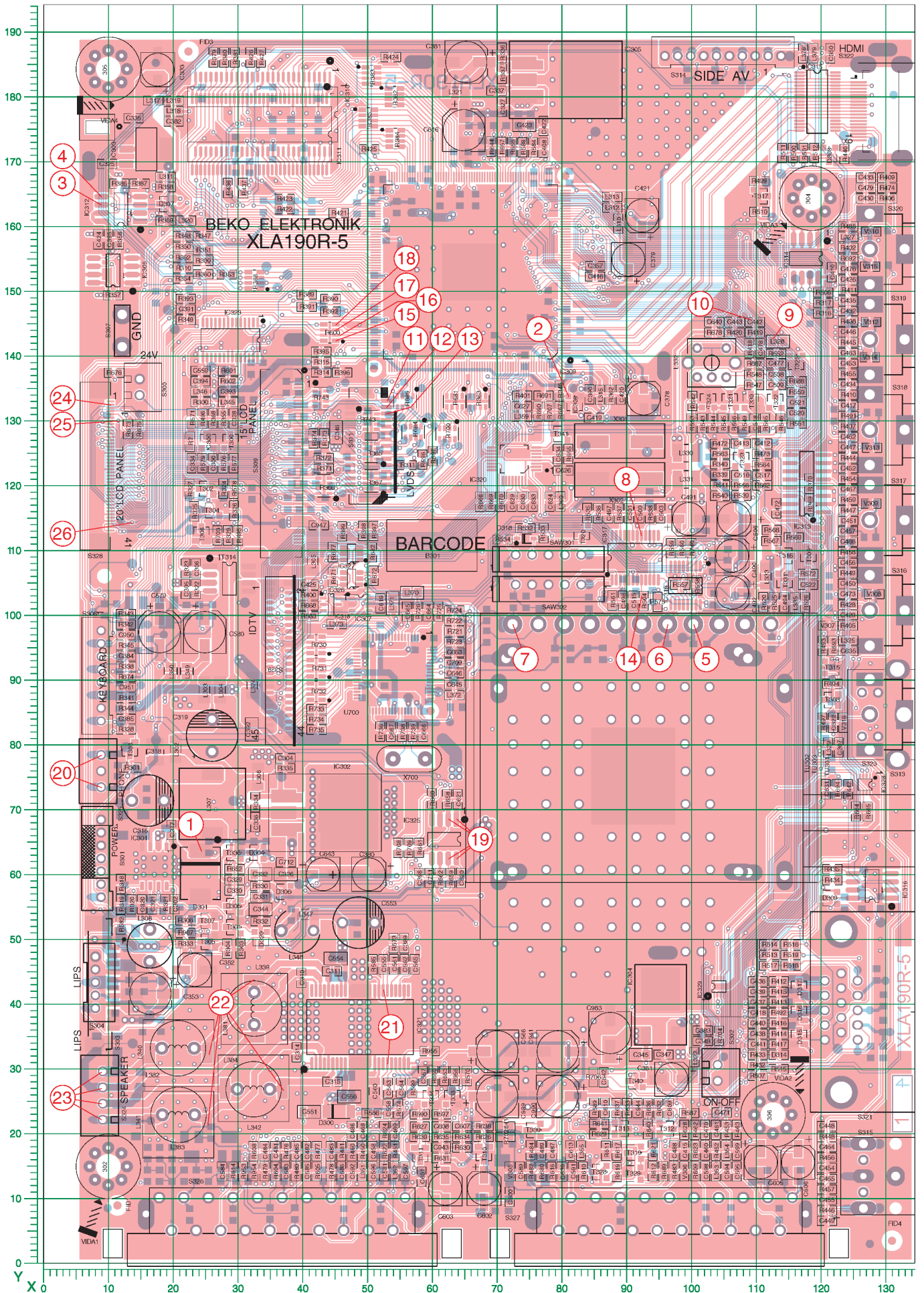
The following sequence of operating steps must be repeated until the picture is shown on the panel.

Call up: "i" -> "8500" -> ▶ -> "P-" 4 times -> ▶ -> "TXT" -> switch set off and on.

If the picture is visible, then repeat the sequence once again and thereby adjust the correct type of panel (according to display label).

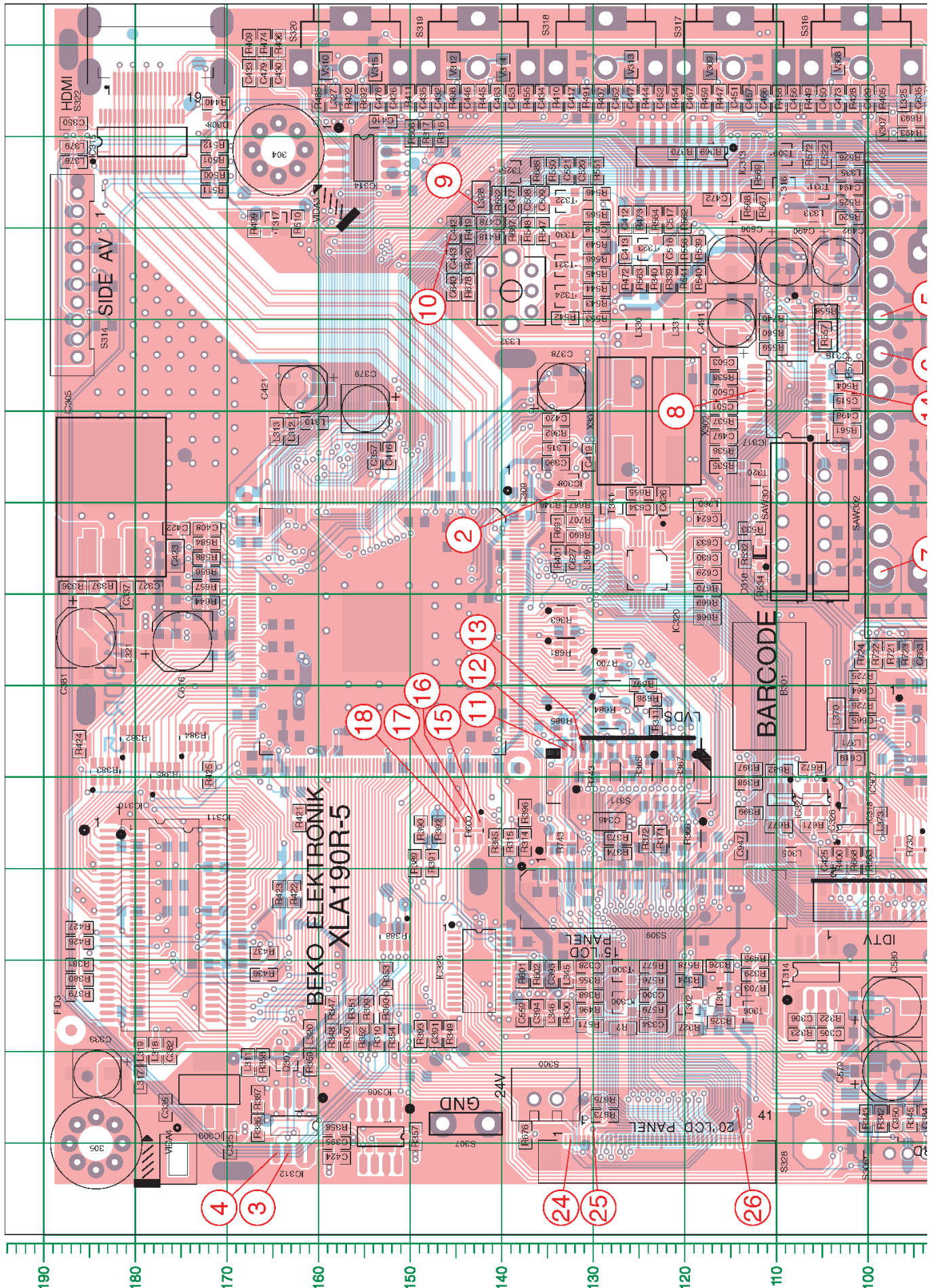
Hauptplatte / Main Board

Ansicht von der Bestückungsseite / View of Component Side



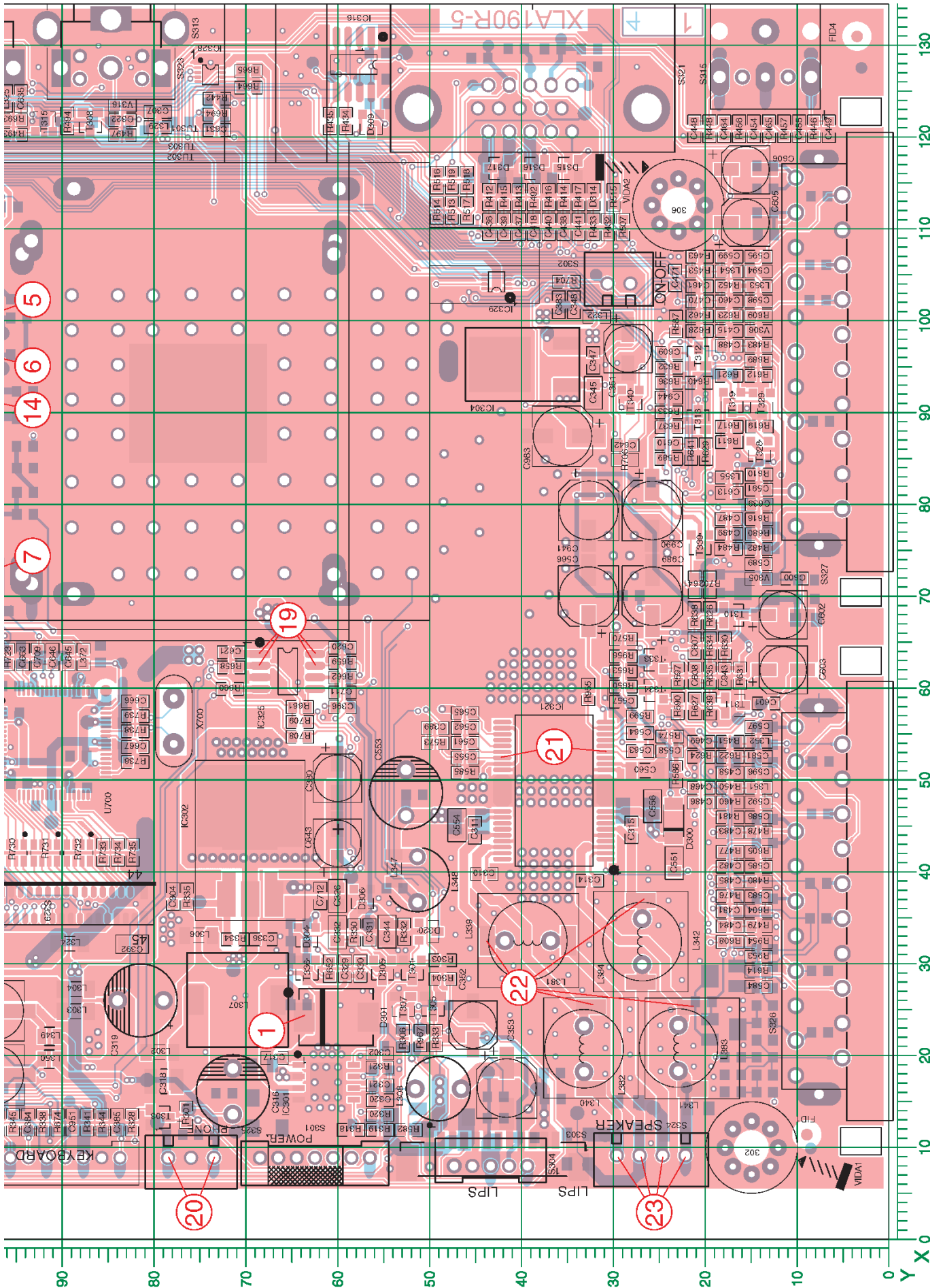
Hauptplatte / Main Board

Ansicht von der Bestückungsseite / View of Component Side



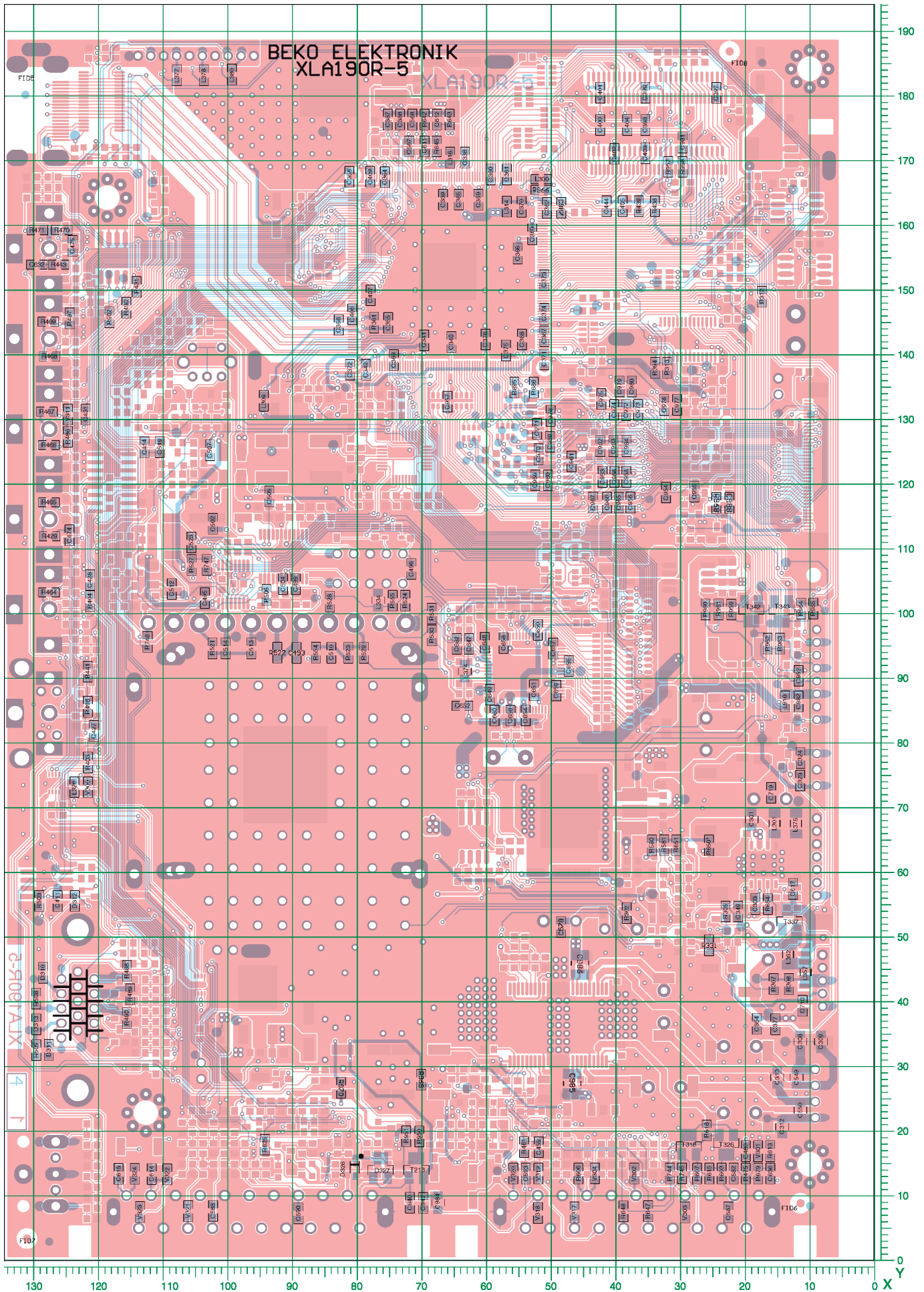
Hauptplatte / Main Board

Ansicht von der Bestückungsseite / View of Component Side



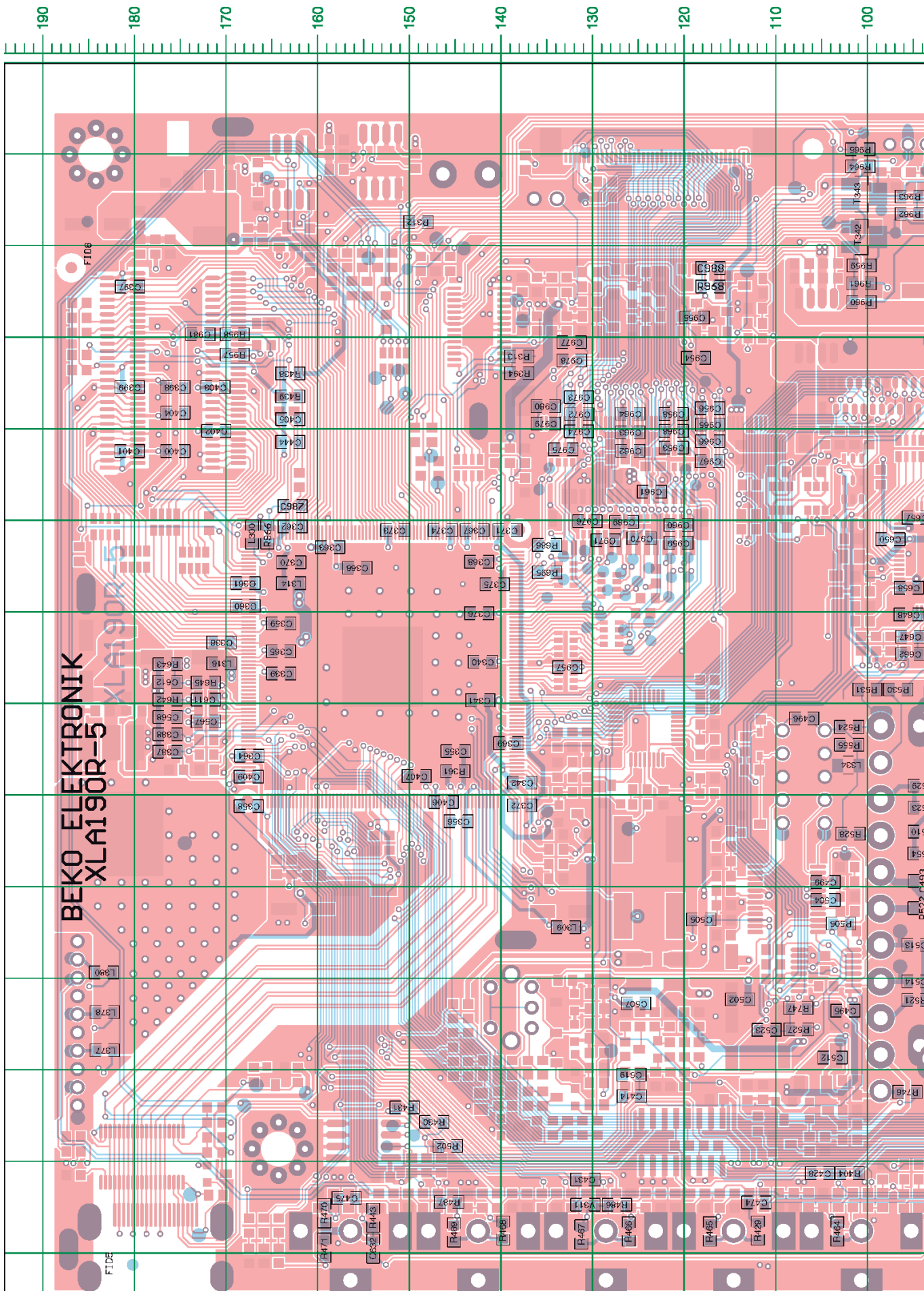
Hauptplatte / Main Board

Ansicht von der Lötseite / View of Solder Side



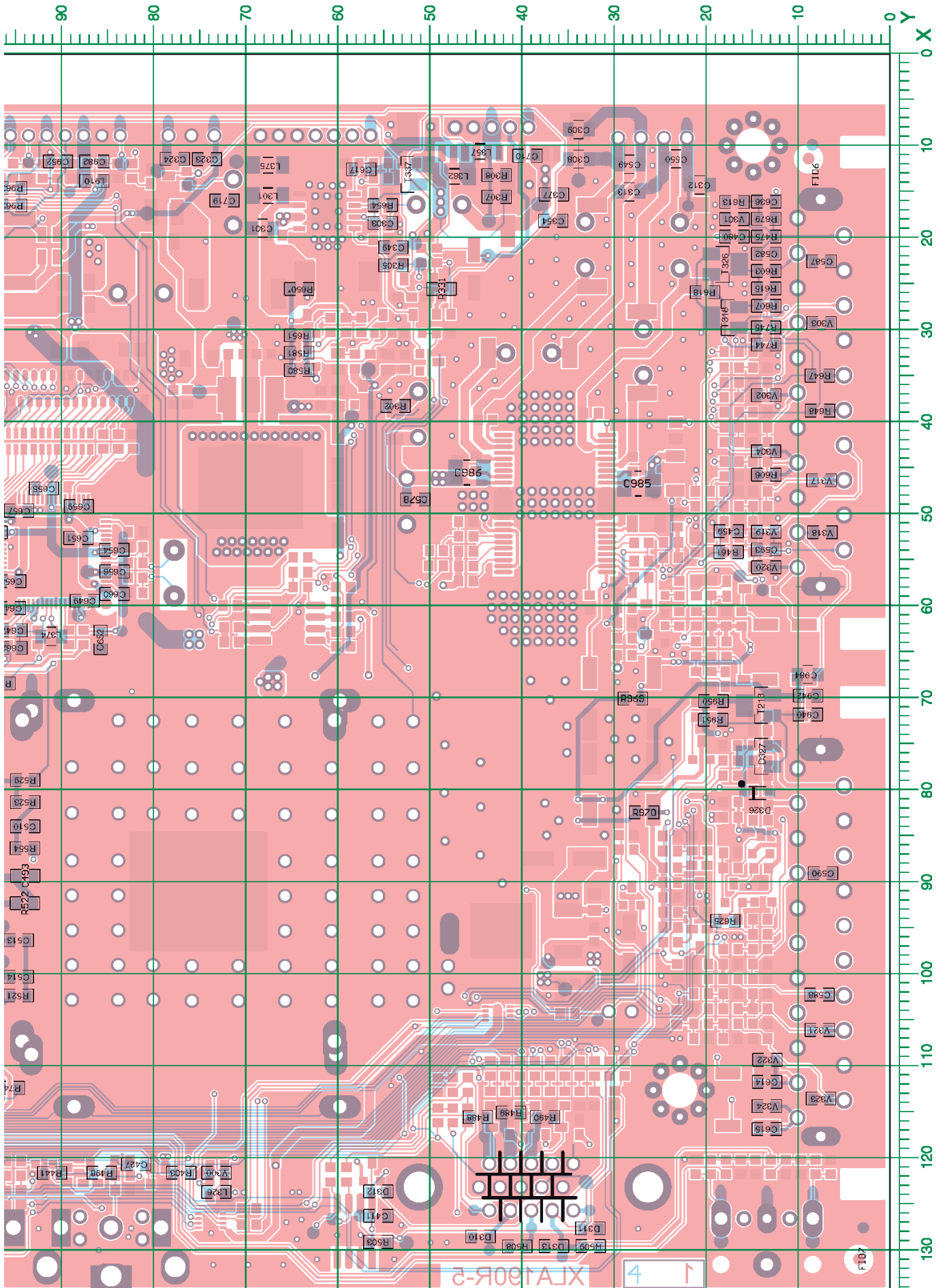
Hauptplatte / Main Board

Ansicht von der Lötseite / View of Solder Side



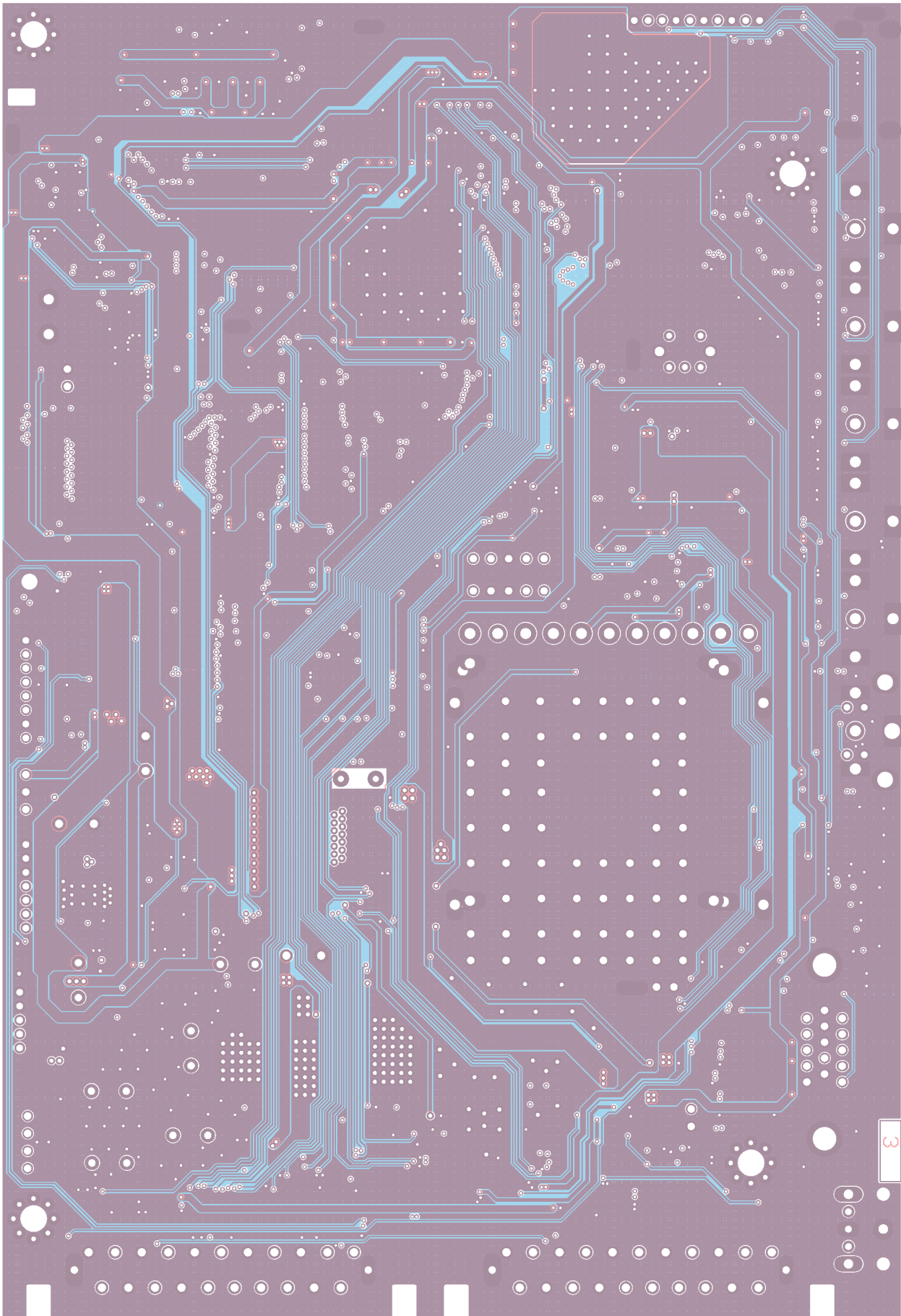
Hauptplatte / Main Board

Ansicht von der Lötseite / View of Solder Side

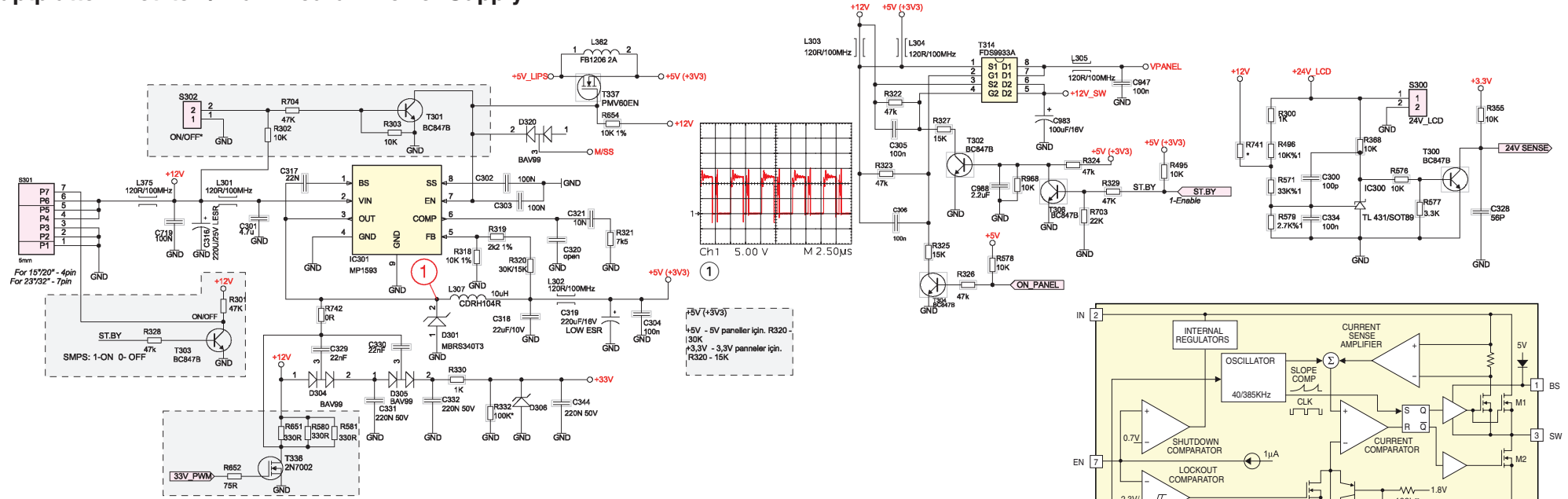


Hauptplatte / Main Board

Ansicht von der Bestückungsseite – DC-Layer / View of Component Side – DC Layer

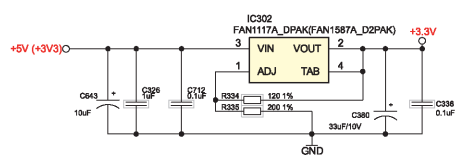


Hauptplatte – Netzteil / Main Board – Power Supply

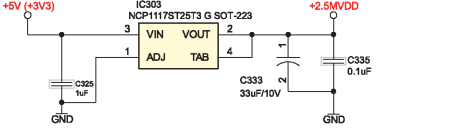


2 - 10

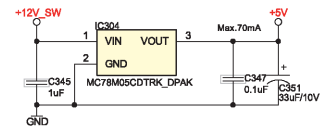
Vcc3.3 for analog and digital



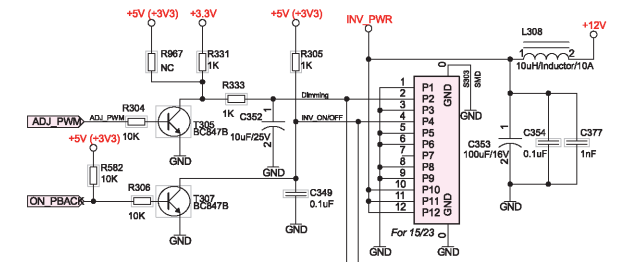
Vcc for DDR only (26"/32")



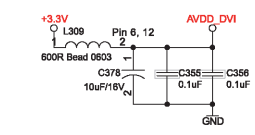
5V for Tuner



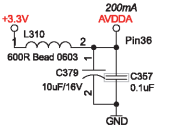
Inverter Connector (small size)



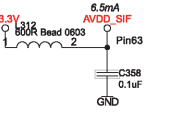
+3.3AVDD for AVDD_DVI



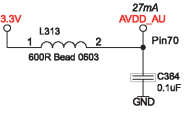
+3.3AVDD for AVDDA



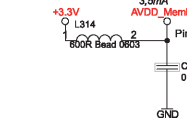
+3.3V for AVDD_SIF



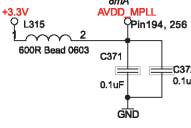
+3.3V for AVDD_AU



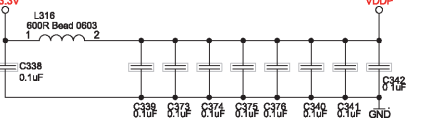
+3.3V for AVDD_MemPLL



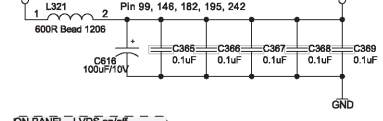
+3.3V for AVDD_MPLL



+3.3V for AVDD_VDDP

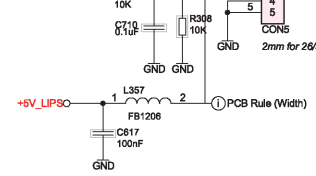


VCC1.8V

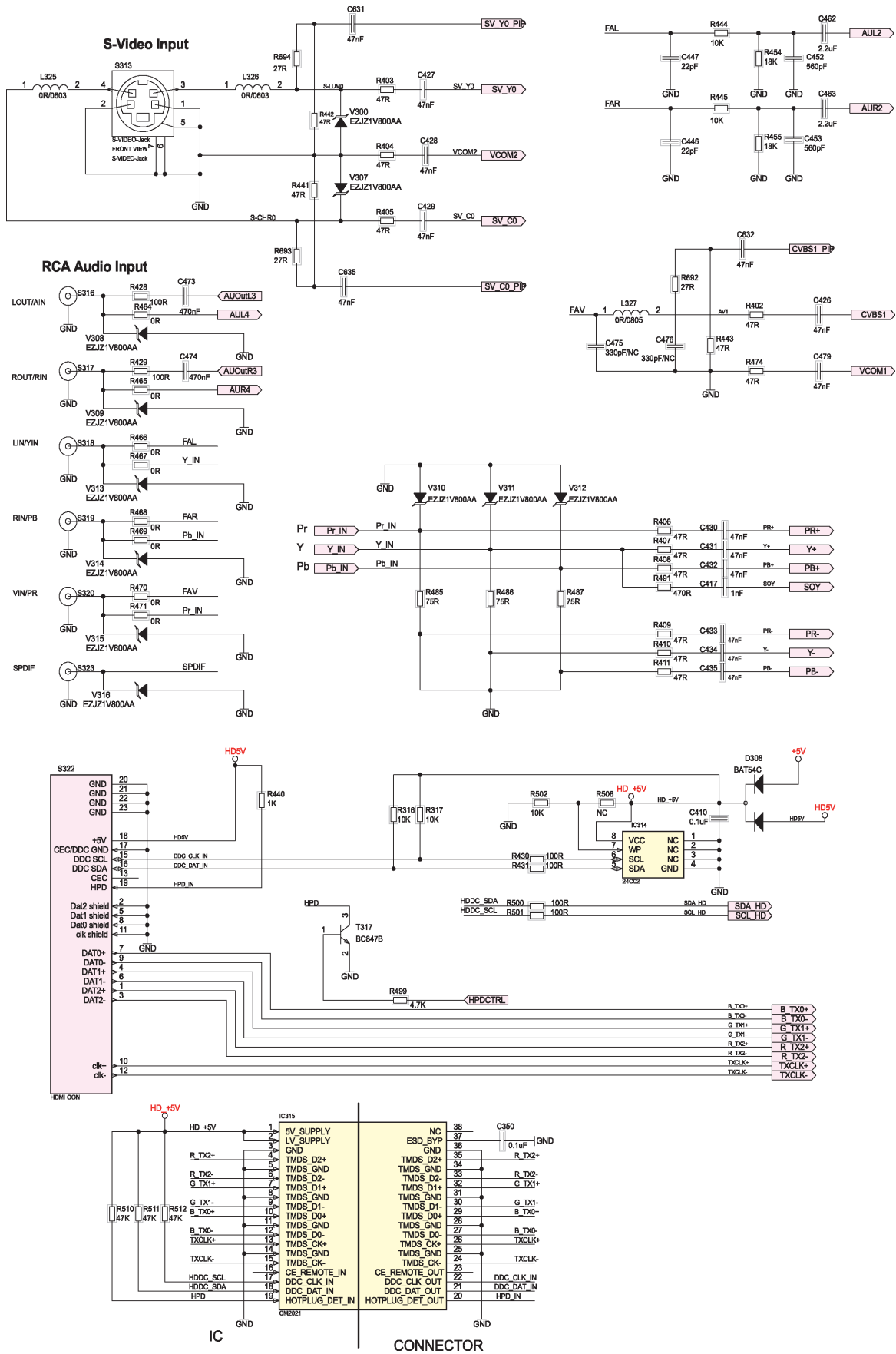


ON_PANEL = LVDS on/off
ON_PBACK = Panel inverter on/off
DPMS = ST.BY
ADJ_PWM = Analog dimming.

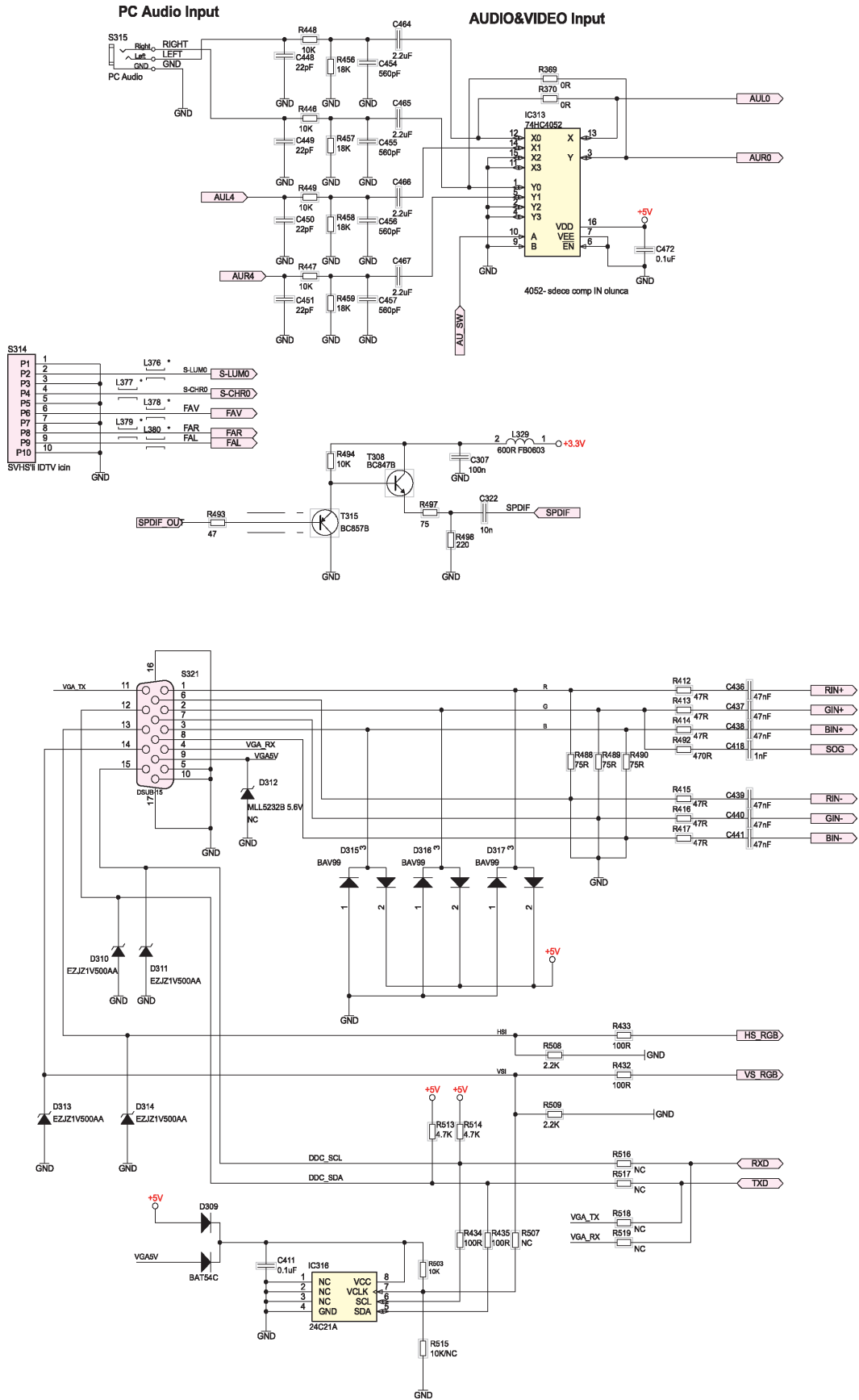
+5V (+3V3)



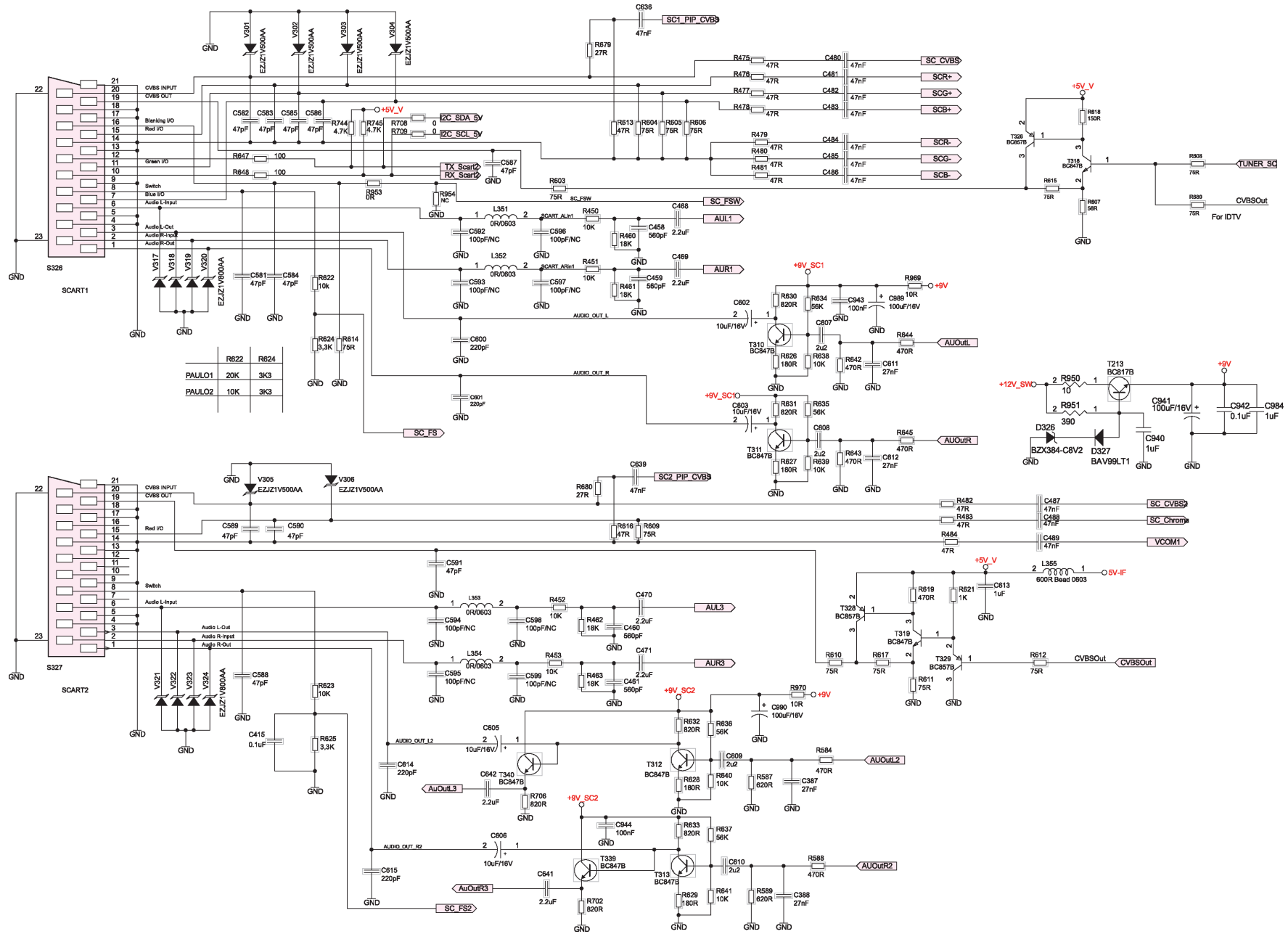
Hauptplatte / Main Board – IN/OUT 1



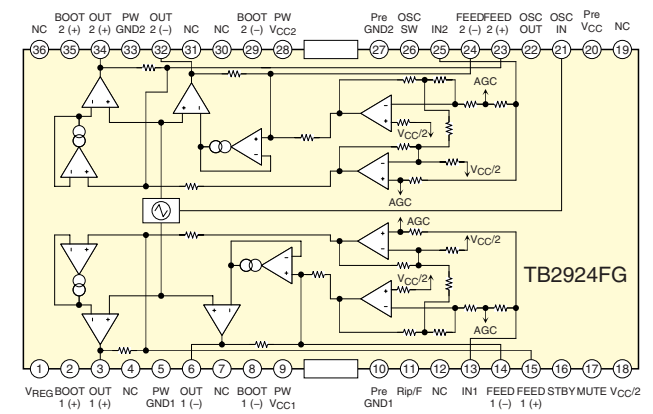
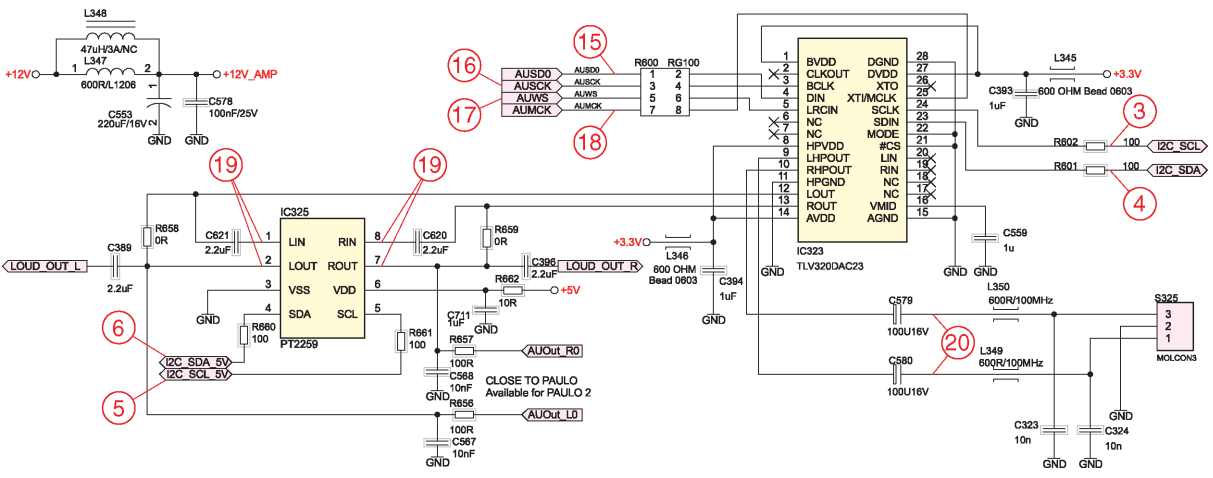
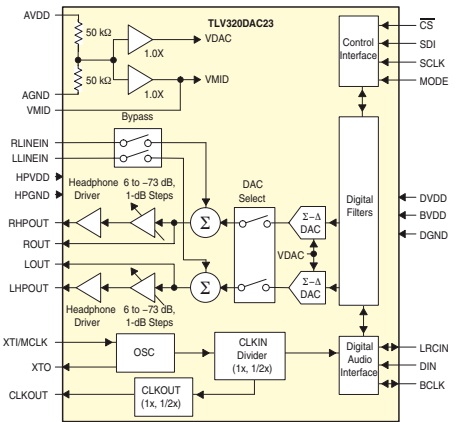
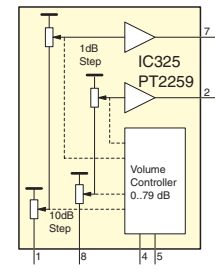
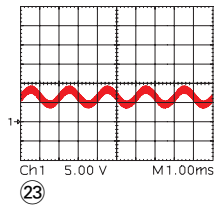
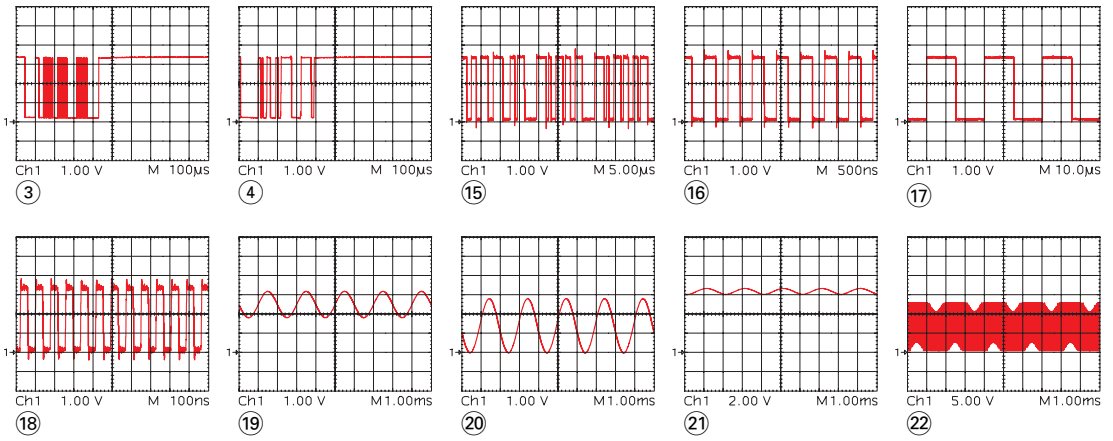
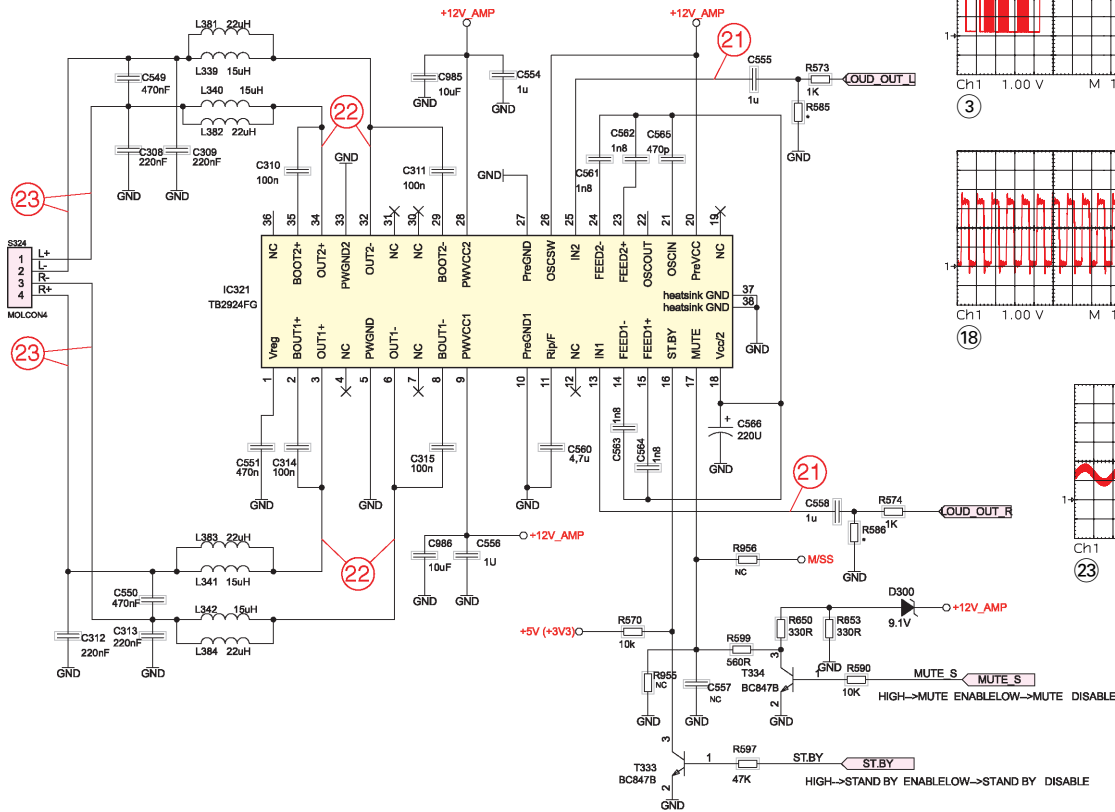
Hauptplatte / Main Board – IN/OUT 2



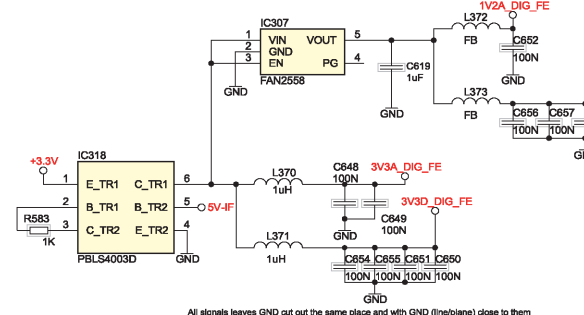
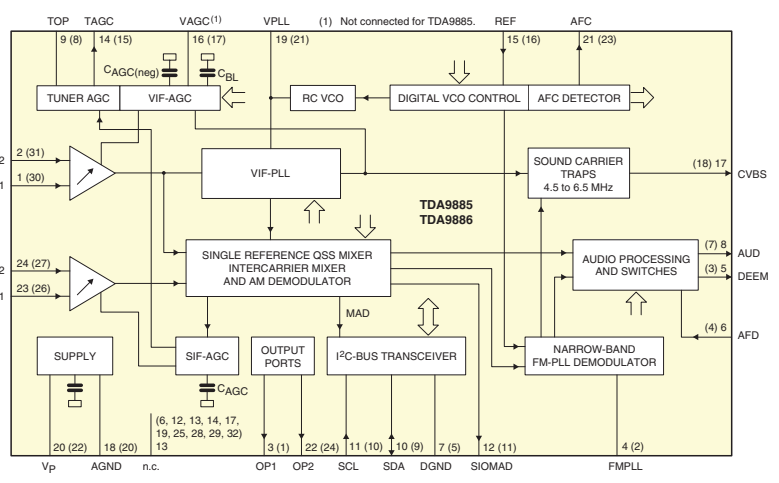
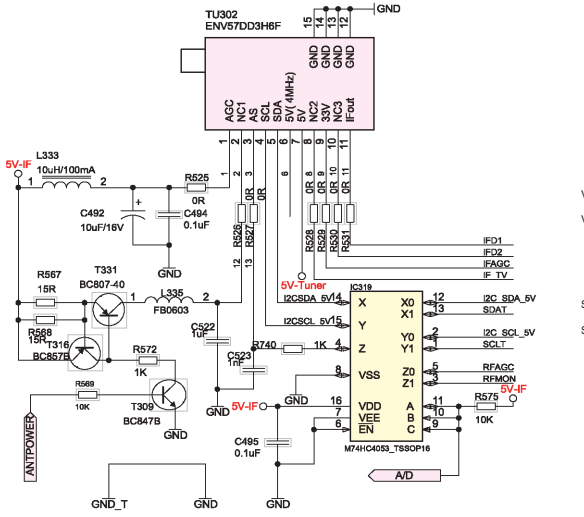
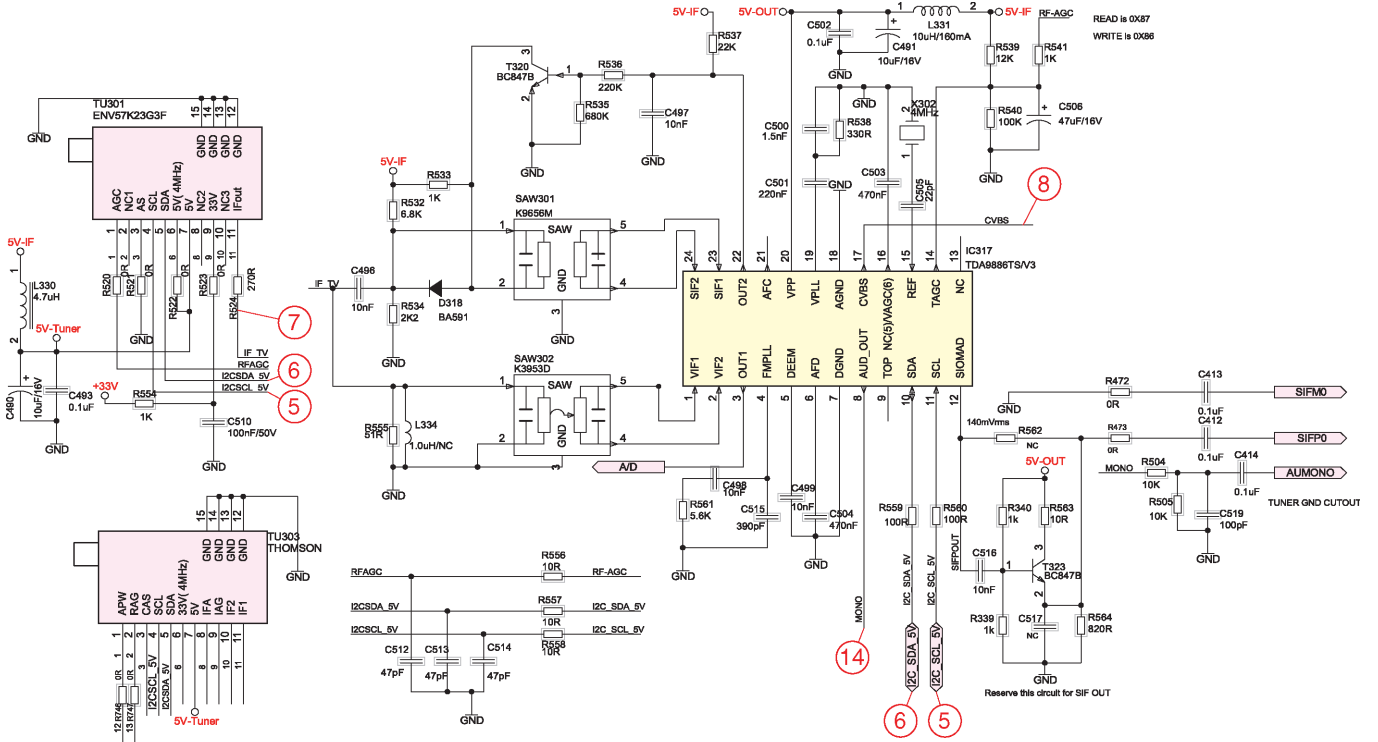
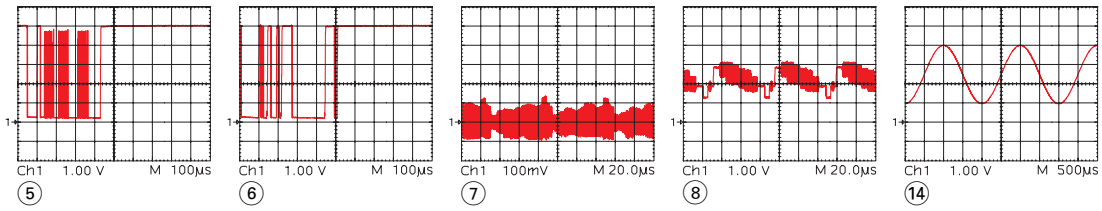
Hauptplatte / Main Board – IN/OUT 3



Hauptplatte – Verstärker/ Main Board – Amplifier

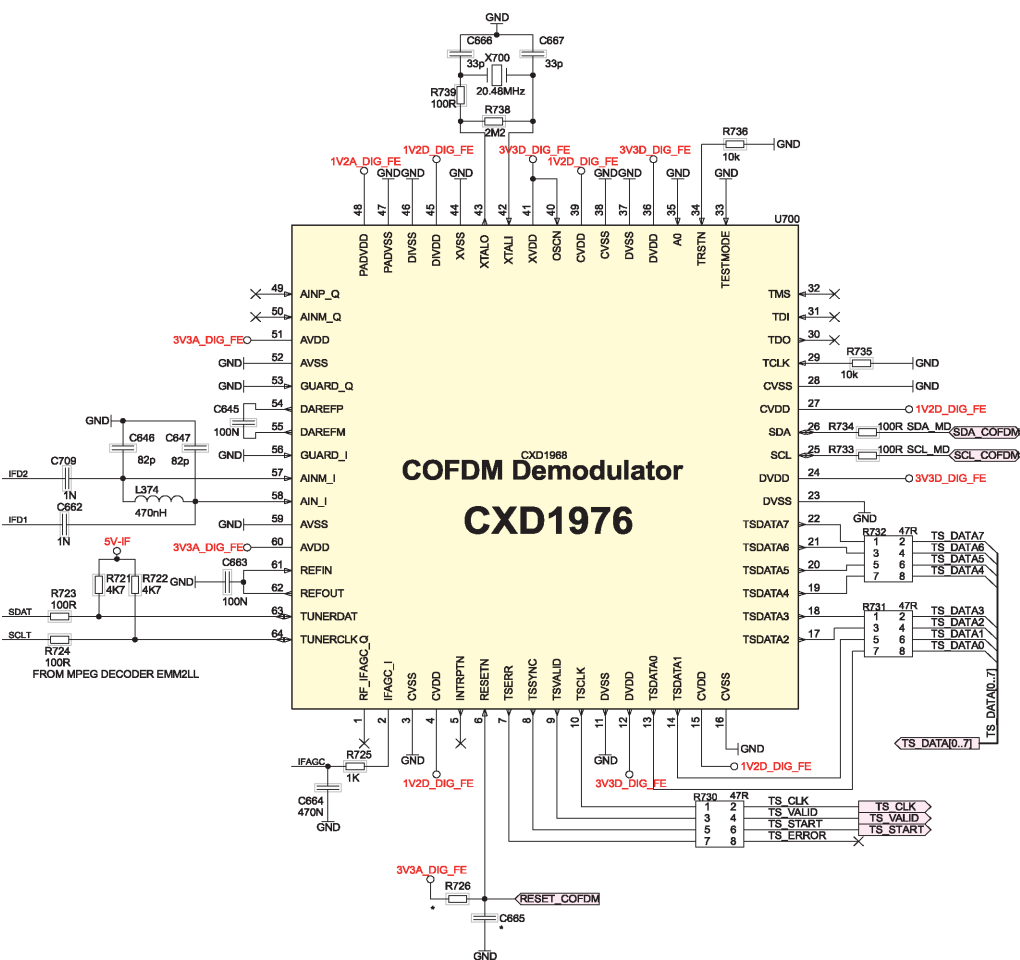
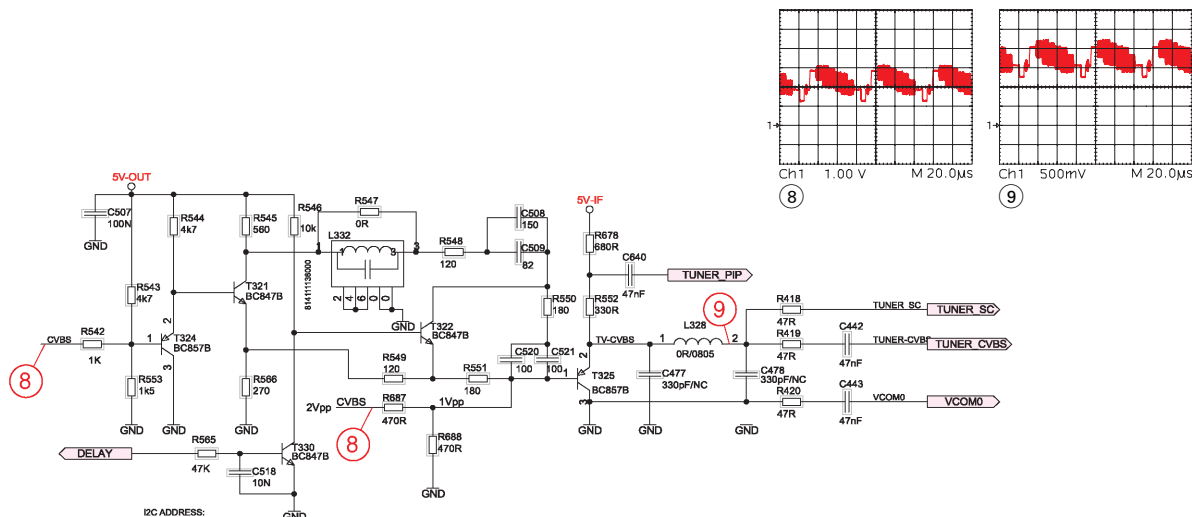


Hauptplatte / Main Board – Tuner

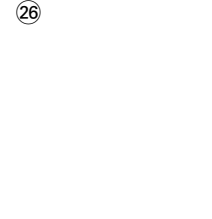
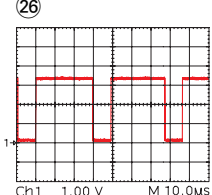
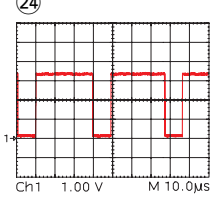
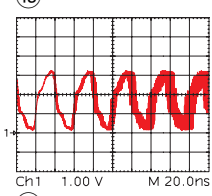
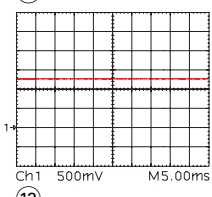
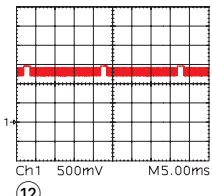
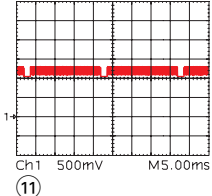
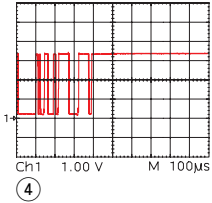
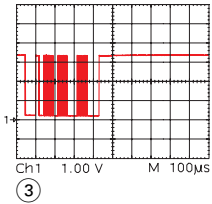


All signals leaves GND cut out the same place and with GND (inplane) close to them

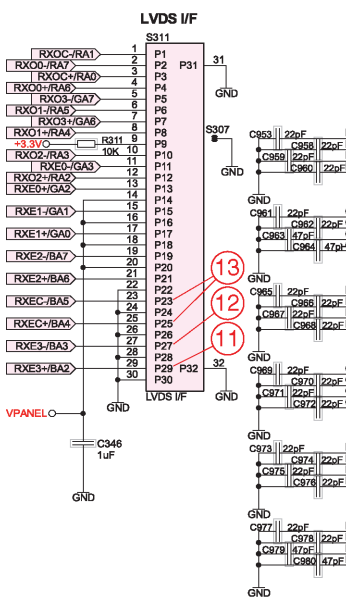
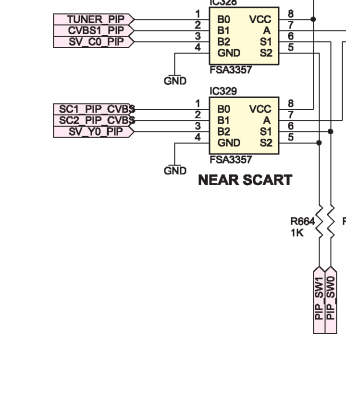
Hauptplatte / Main Board – COFDM Demodulator



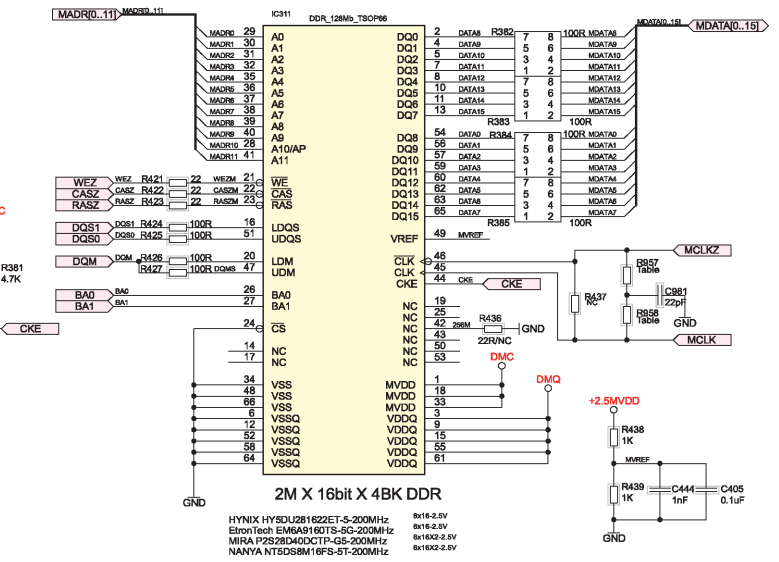
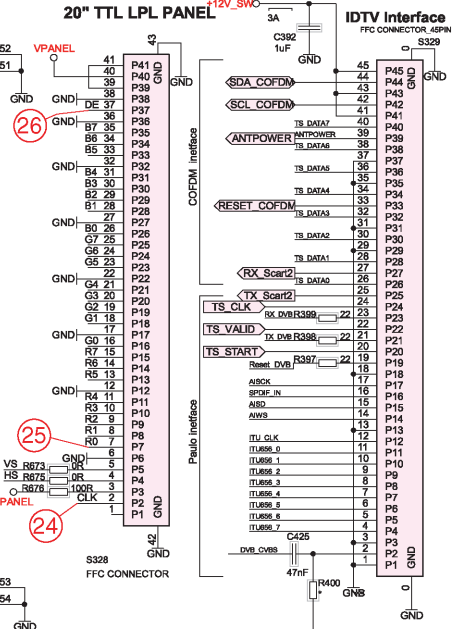
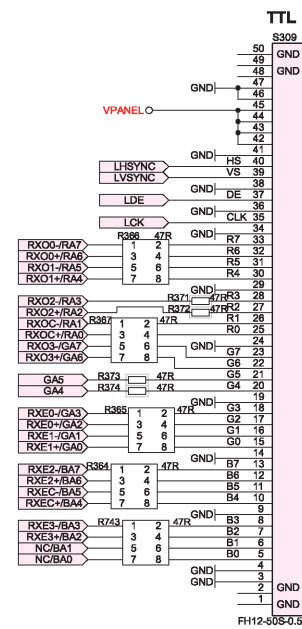
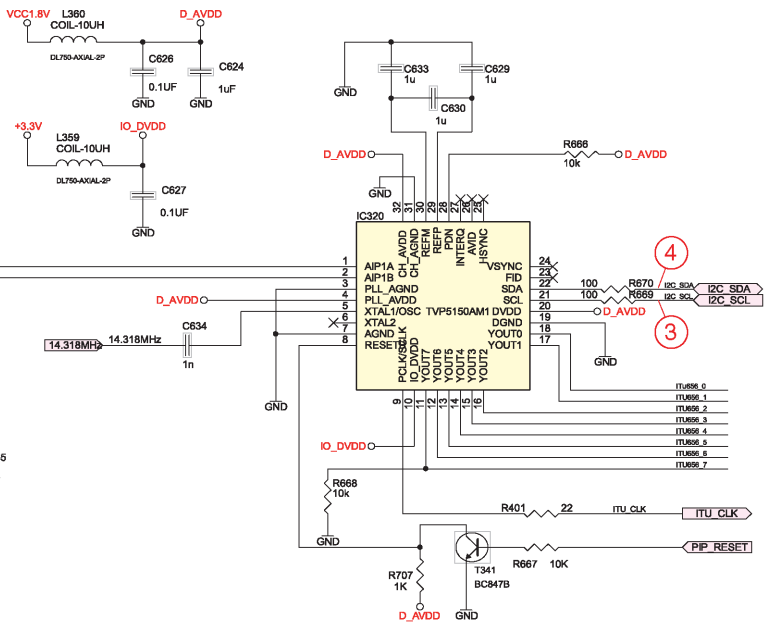
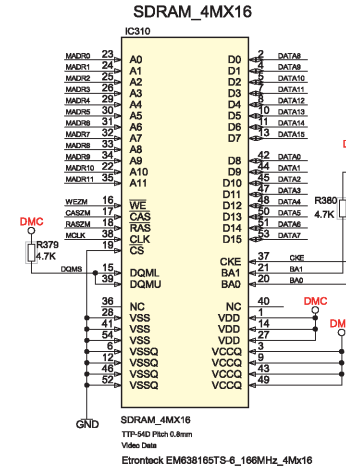
Hauptplatte / Main Board – Scaler

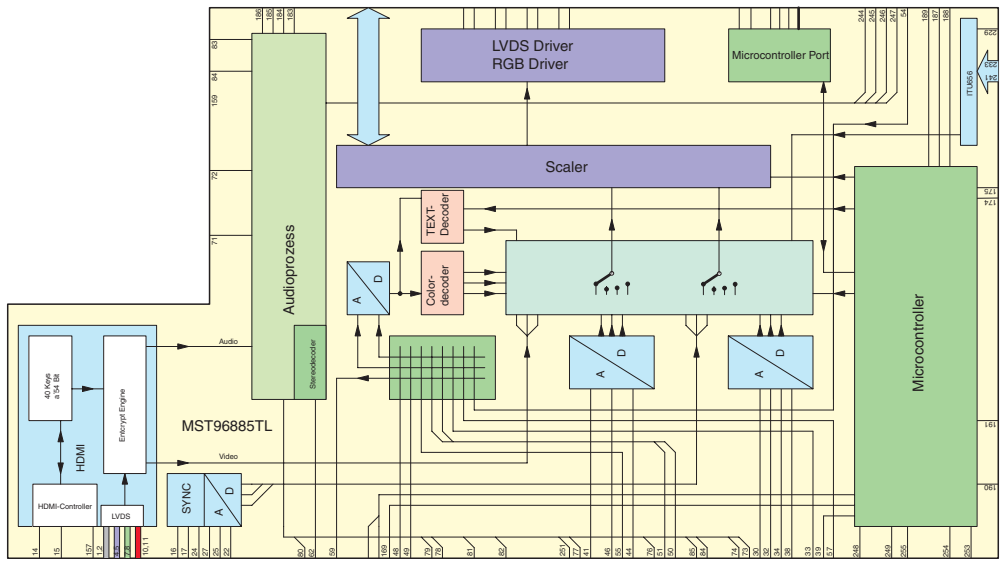


S1	S2	AIP1A	AIP1B
0	0	—	—
0	1	FAV_CVBS	SC2_CVBS
1	0	Tuner_CVBS	SC1_CVBS
1	1	Chroma	Luma

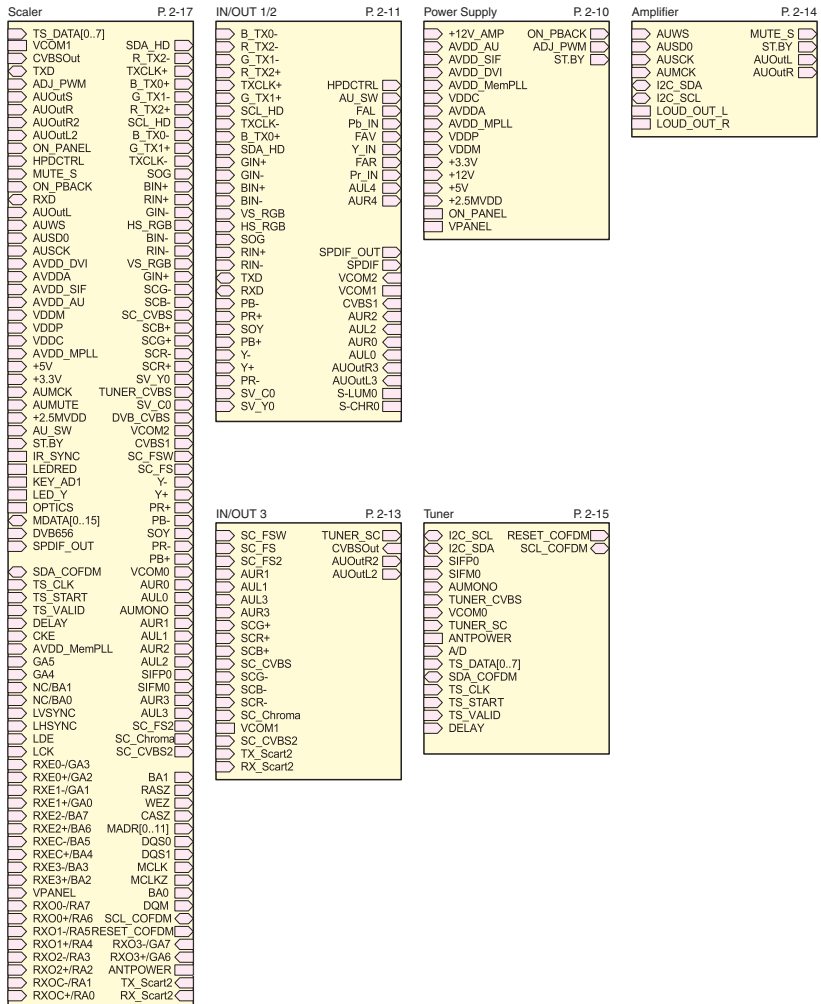


DESIGNATOR	DRAM	SDRAM
R957	51R	NC
R958	51R	NC
L300	22pF	NC
C981	22pF	NC



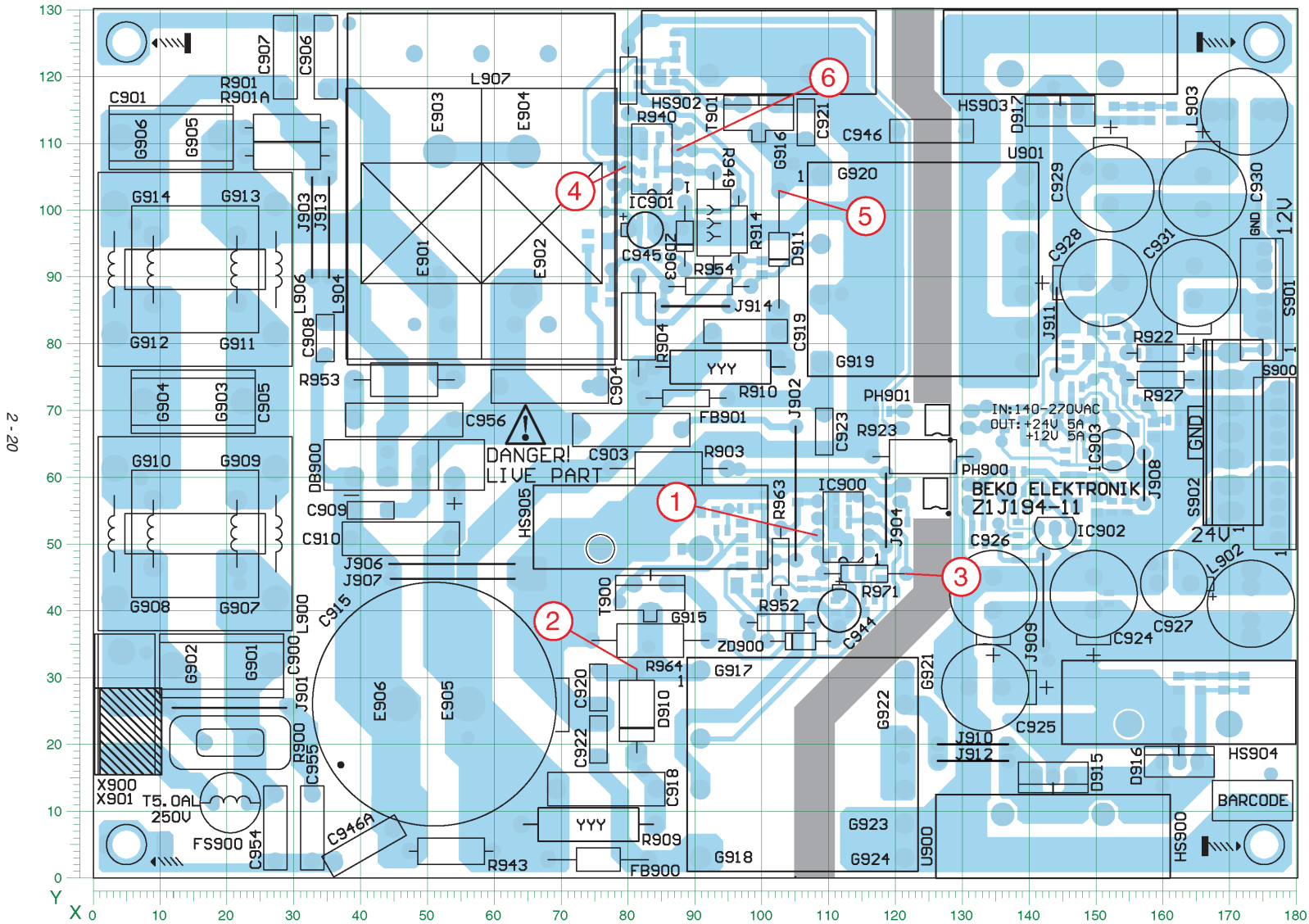


Hauptplatte – Übersicht / Main Board – Overview



Netzteil-Platte / Power Supply Board Z1J194

Ansicht von der Bestückungsseite / View of Component Side



T: Koordinaten für die Bauteile der Bestückungsseite
Coordinates of the Components on the component side
B: Koordinaten für die Bauteile der Lötseite
Coordinates of the Components on the solder side

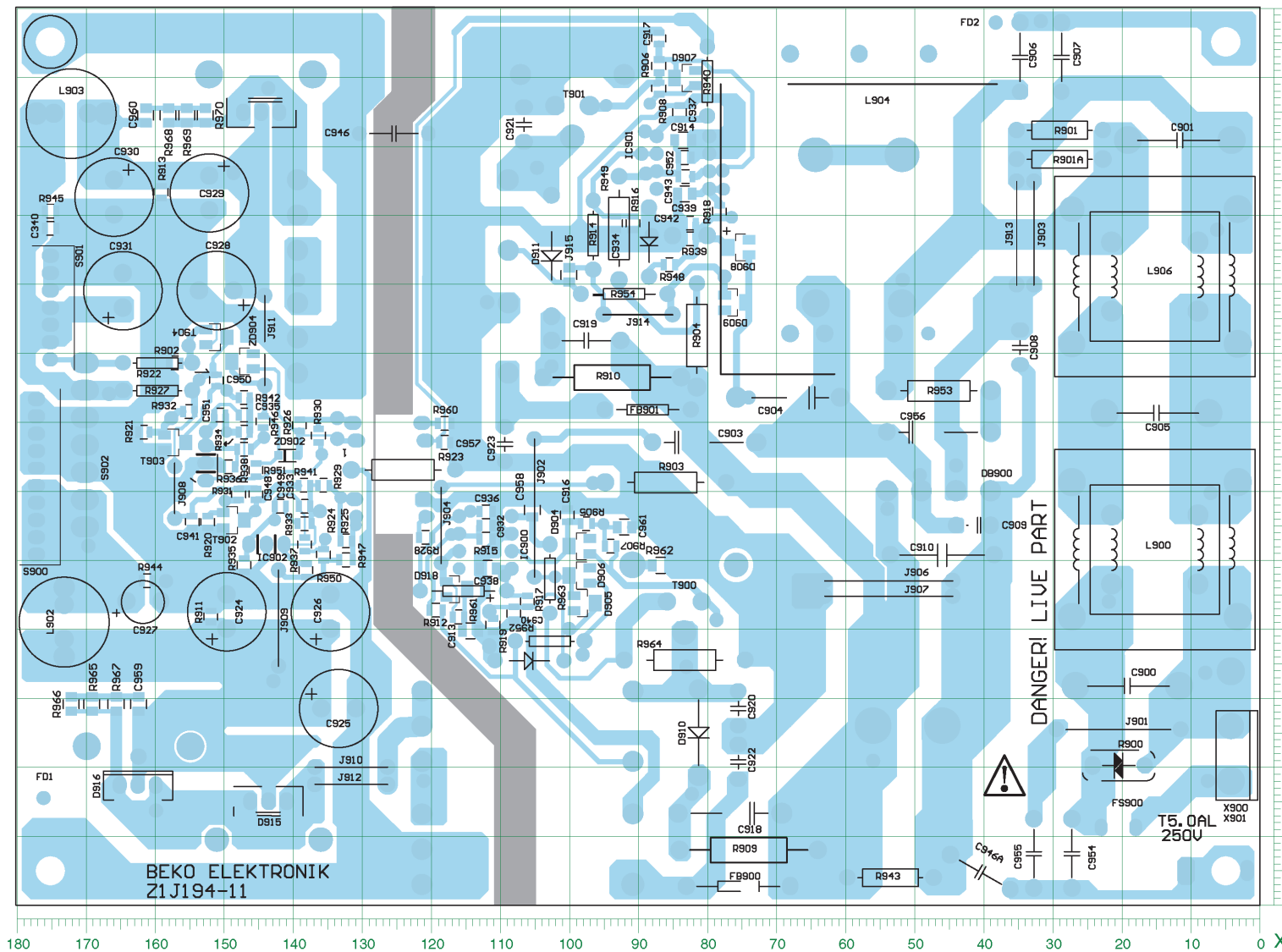
POS.	X	Y	POS.	X	Y	POS.	X	Y
C340	B 175	98	D905	B 100	46	R924	B 136	51
C900	T 19	32	D906	B 97	46	R925	B 132	53
C901	T 12	111	D907	B 84	121	R926	B 139	70
C903	T 80	67	D908	B 75	98	R927	T 160	75
C904	T 68	74	D909	B 76	93	R928	B 121	54
C905	T 15	71	D910	T 81	31	R929	B 136	61
C906	T 35	123	D911	T 103	94	R930	B 136	68
C907	T 29	123	D915	T 146	15	R931	B 148	60
C908	T 35	81	D916	T 160	17	R932	B 155	72
C909	T 42	55	D917	T 142	115	R933	B 138	55
C910	T 46	51	D918	B 119	46	R934	B 147	69
C913	B 115	41	DB900	T 54	60	R935	B 147	49
C914	B 84	111	FB900	T 76	3	R936	B 149	64
C915	T 51	26	FB901	T 89	72	R937	B 138	52
C916	B 100	57	FS900	T 23	11	R938	B 147	66
C917	B 87	126	HS900	T 161	13	R939	B 83	97
C918	T 77	13	HS902	T 82	117	R940	T 80	119
C919	T 98	82	HS903	T 127	117	R941	B 138	61
C920	T 76	29	HS904	T 145	20	R942	B 147	74
C921	T 107	113	HS905	T 66	46	R943	T 54	4
C922	T 76	21	IC900	T 112	53	R944	B 161	47
C923	T 109	67	IC901	T 84	108	R945	B 175	101
C924	T 150	40	IC902	T 144	52	R946	B 144	70
C925	T 136	29	IC903	T 153	64	R947	B 132	50
C926	T 135	40	J914	T 85	86	R948	B 75	102
C927	T 162	44	J915	B 100	91	R949	T 93	98
C928	T 149	89	L900	T 15	52	R950	B 138	49
C929	T 152	106	L902	T 173	36	R951	B 145	63
C930	T 166	105	L903	T 167	115	R952	T 103	39
C931	T 165	87	L904	T 48	83	R953	T 47	75
C932	B 112	55	L906	T 15	91	R954	T 92	88
C933	B 138	58	L907	T 58	98	R960	B 118	70
C934	B 93	99	PH900	T 126	58	R961	B 116	45
C935	B 147	71	PH901	T 126	69	R962	B 87	49
C936	B 112	57	R900	T 21	20	R963	T 103	49
C937	B 84	115	R901	T 29	112	R964	T 83	36
C938	B 112	49	R901A	T 29	108	R965	B 169	29
C939	B 83	103	R902	B 148	82	R966	B 172	29
C940	B 110	42	R903	T 86	61	R967	B 166	29
C941	B 155	56	R904	T 82	83	R968	B 158	114
C942	B 83	99	R905	B 98	55	R969	B 155	114
C943	B 83	106	R906	B 87	122	R970	B 153	114
C944	T 111	42	R907	B 94	55	R971	T 116	45
C945	T 83	97	R908	B 87	118	S900	T 177	51
C946	T 125	112	R909	T 84	8	S901	T 175	79
C946A	T 41	5	R910	T 104	76	S902	T 170	55
C948	B 145	60	R911	B 152	42	T900	T 83	40
C949	B 142	58	R912	B 121	50	T901	T 100	111
C950	B 151	76	R913	B 159	103	T902	B 149	56
C951	B 151	71	R914	T 97	97	T903	B 157	68
C952	B 83	108	R915	B 112	53	T904	B 152	81
C954	T 27	8	R916	B 91	99	U900	T 106	17
C955	T 33	8	R917	B 108	46	U901	T 124	91
C956	T 47	69	R918	B 78	101	X900	T 4	18
C957	B 118	67	R919	B 112	42	ZD900	B 105	42
C958	B 105	57	R920	B 152	56	ZD902	B 141	65
C959	B 162	29	R921	B 162	69	ZD903	B 75	107
C960	B 161	114	R922	T 160	79	ZD904	B 147	78
C961	B 93	55	R923	T 124	63			
D904	B 97	52						

Netzteil-Platte / Power Supply Board Z1J194

Ansicht von der Lötseite / View of Solder Side

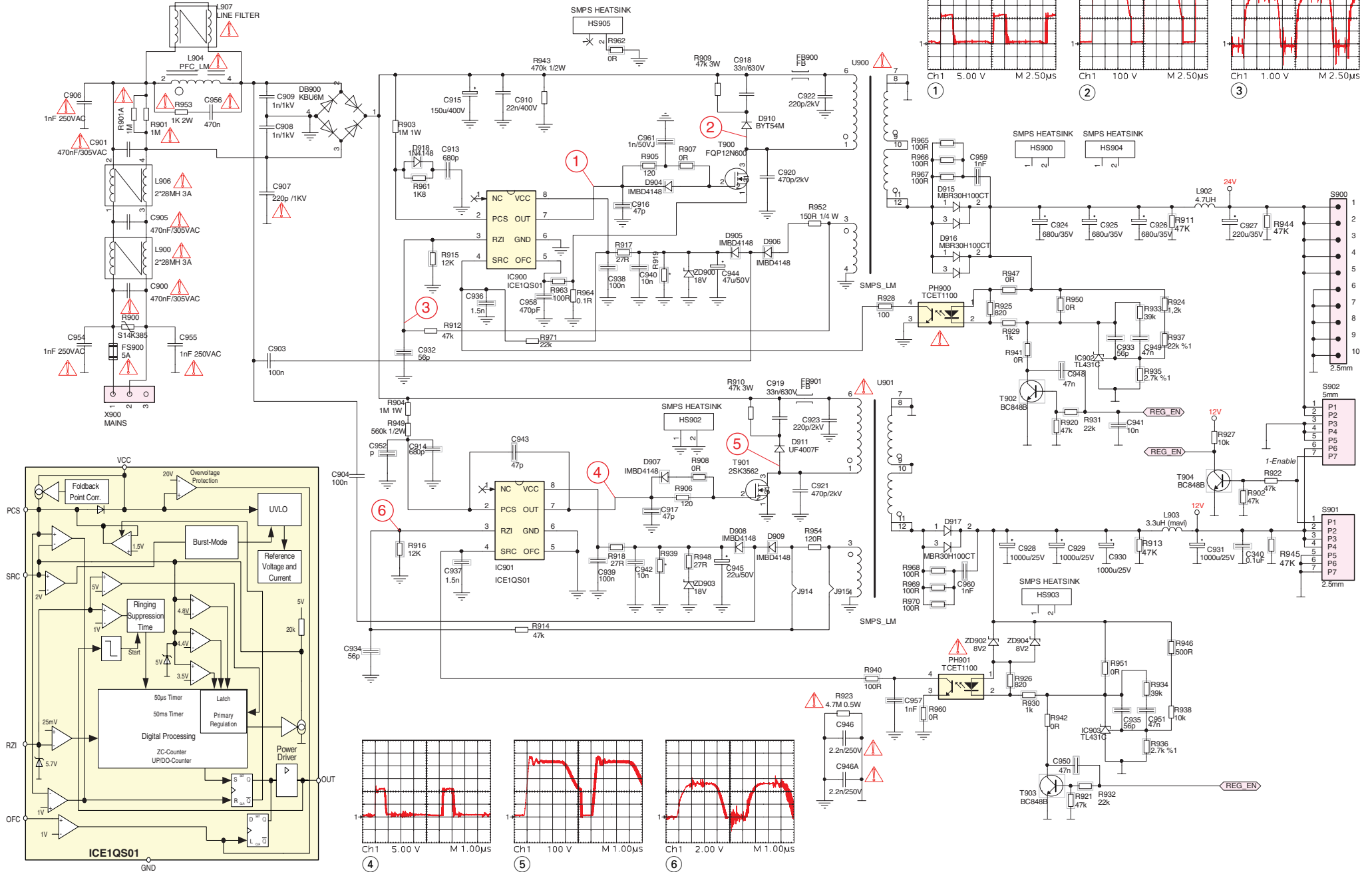
T: Koordinaten für die Bauteile der Bestückungsseite
Coordinates of the Components on the component side
B: Koordinaten für die Bauteile der Lötseite
Coordinates of the Components on the solder side

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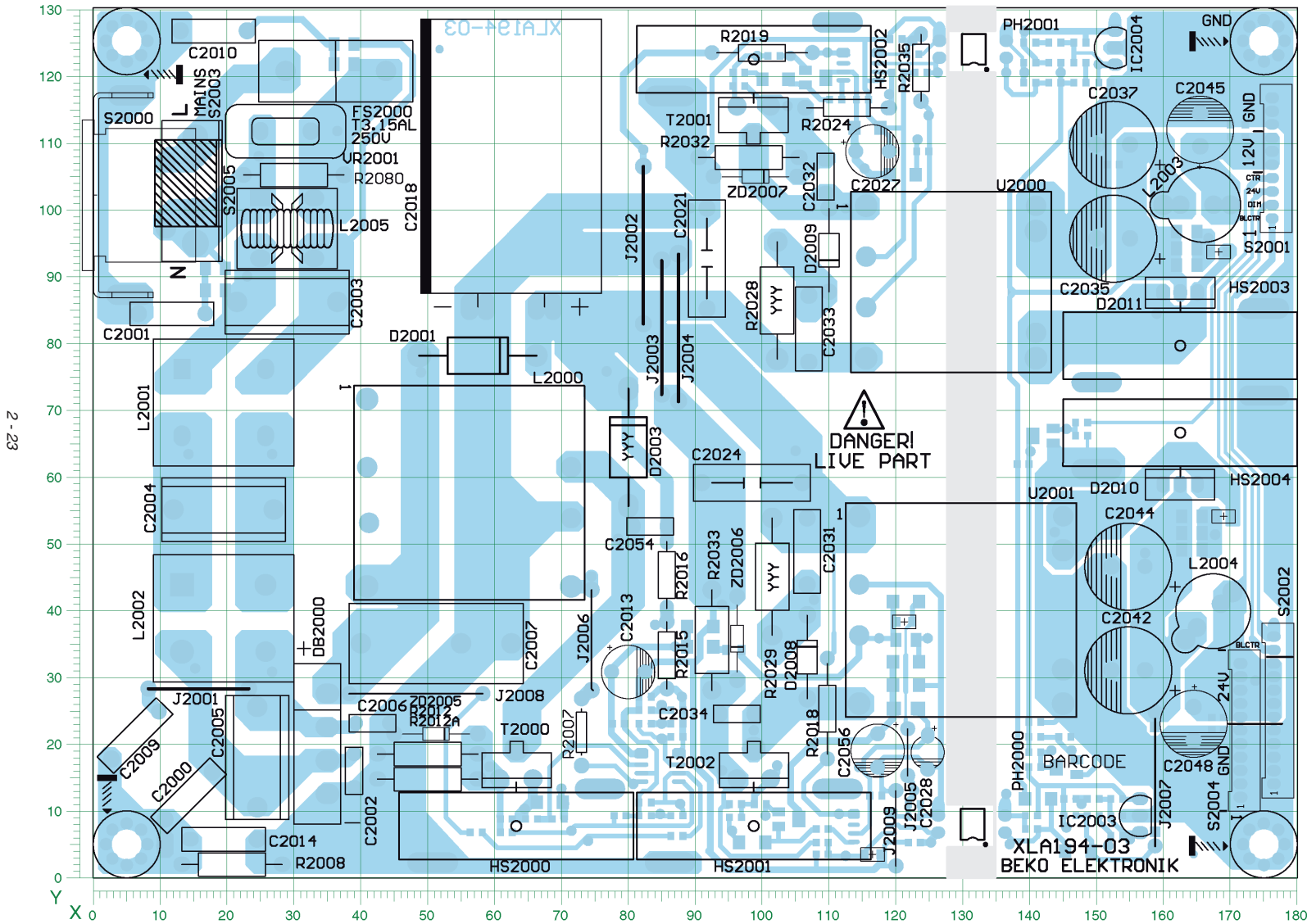
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C340	B 175	98	D905	B 100	46	R924	B 136	51
C900	T 19	32	D906	B 97	46	R925	B 132	53
C901	T 12	111	D907	B 84	121	R926	B 139	70
C903	T 80	67	D908	B 75	98	R927	T 160	75
C904	T 68	74	D909	B 76	93	R928	B 121	54
C905	T 15	71	D910	T 81	31	R929	B 136	61
C906	T 35	123	D911	T 103	94	R930	B 136	68
C907	T 29	123	D915	T 146	15	R931	B 148	60
C908	T 35	81	D916	T 160	17	R932	B 155	72
C909	T 42	55	D917	T 142	115	R933	B 138	55
C910	T 46	51	D918	B 119	46	R934	B 147	69
C913	B 115	41	DB900	T 54	60	R935	B 147	49
C914	B 84	111	FB900	T 76	3	R936	B 149	64
C915	T 51	26	FB901	T 89	72	R937	B 138	52
C916	B 100	57	FS900	T 23	11	R938	B 147	66
C917	B 87	126	HS900	T 161	13	R939	B 83	97
C918	T 77	13	HS902	T 82	117	R940	T 80	119
C919	T 98	82	HS903	T 127	117	R941	B 138	61
C920	T 76	29	HS904	T 145	20	R942	B 147	74
C921	T 107	113	HS905	T 66	46	R943	T 54	4
C922	T 76	21	IC900	T 112	53	R944	B 161	47
C923	T 109	67	IC901	T 84	108	R945	B 175	101
C924	T 150	40	IC902	T 144	52	R946	B 144	70
C925	T 136	29	IC903	T 153	64	R947	B 132	50
C926	T 135	40	J914	T 85	86	R948	B 75	102
C927	T 162	44	J915	B 100	91	R949	T 93	98
C928	T 149	89	L900	T 15	52	R950	B 138	49
C929	T 152	106	L902	T 173	36	R951	B 145	63
C930	T 166	105	L903	T 167	115	R952	T 103	39
C931	T 165	87	L904	T 48	83	R953	T 47	75
C932	B 112	55	L906	T 15	91	R954	T 92	88
C933	B 138	58	L907	T 58	98	R960	B 118	70
C934	B 93	99	PH900	T 126	58	R961	B 116	45
C935	B 147	71	PH901	T 126	69	R962	B 87	49
C936	B 112	57	R900	T 21	20	R963	T 103	49
C937	B 84	115	R901	T 29	112	R964	T 83	36
C938	B 112	49	R901A	T 29	108	R965	B 169	29
C939	B 83	103	R902	B 148	82	R966	B 172	29
C940	B 110	42	R903	T 86	61	R967	B 166	29
C941	B 155	56	R904	T 82	83	R968	B 158	114
C942	B 83	99	R905	B 98	55	R969	B 155	114
C943	B 83	106	R906	B 87	122	R970	B 153	114
C944	T 111	42	R907	B 94	55	R971	T 116	45
C945	T 83	97	R908	B 87	118	S900	T 177	51
C946	T 125	112	R909	T 84	8	S901	T 175	79
C946A	T 41	5	R910	T 104	76	S902	T 170	55
C948	B 145	60	R911	B 152	42	T900	T 83	40
C949	B 142	58	R912	B 121	50	T901	T 100	111
C950	B 151	76	R913	B 159	103	T902	B 149	56
C951	B 151	71	R914	T 97	97	T903	B 157	68
C952	B 83	108	R915	B 112	53	T904	B 152	81
C954	T 27	8	R916	B 91	99	U900	T 106	17
C955	T 33	8	R917	B 108	46	U901	T 124	91
C956	T 47	69	R918	B 78	101	X900	T 4	18
C957	B 118	67	R919	B 112	42	ZD900	B 105	42
C958	B 105	57	R920	B 152	56	ZD902	B 141	65
C959	B 162	29	R921	B 162	69	ZD903	B 75	107
C960	B 161	114	R922	T 160	79	ZD904	B 147	78
C961	B 93	55	R923	T 124	63			
D904	B 97	52						

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Netzteil-Platte / Power Supply Board XLA194

Ansicht von der Bestückungsseite / View of Component Side



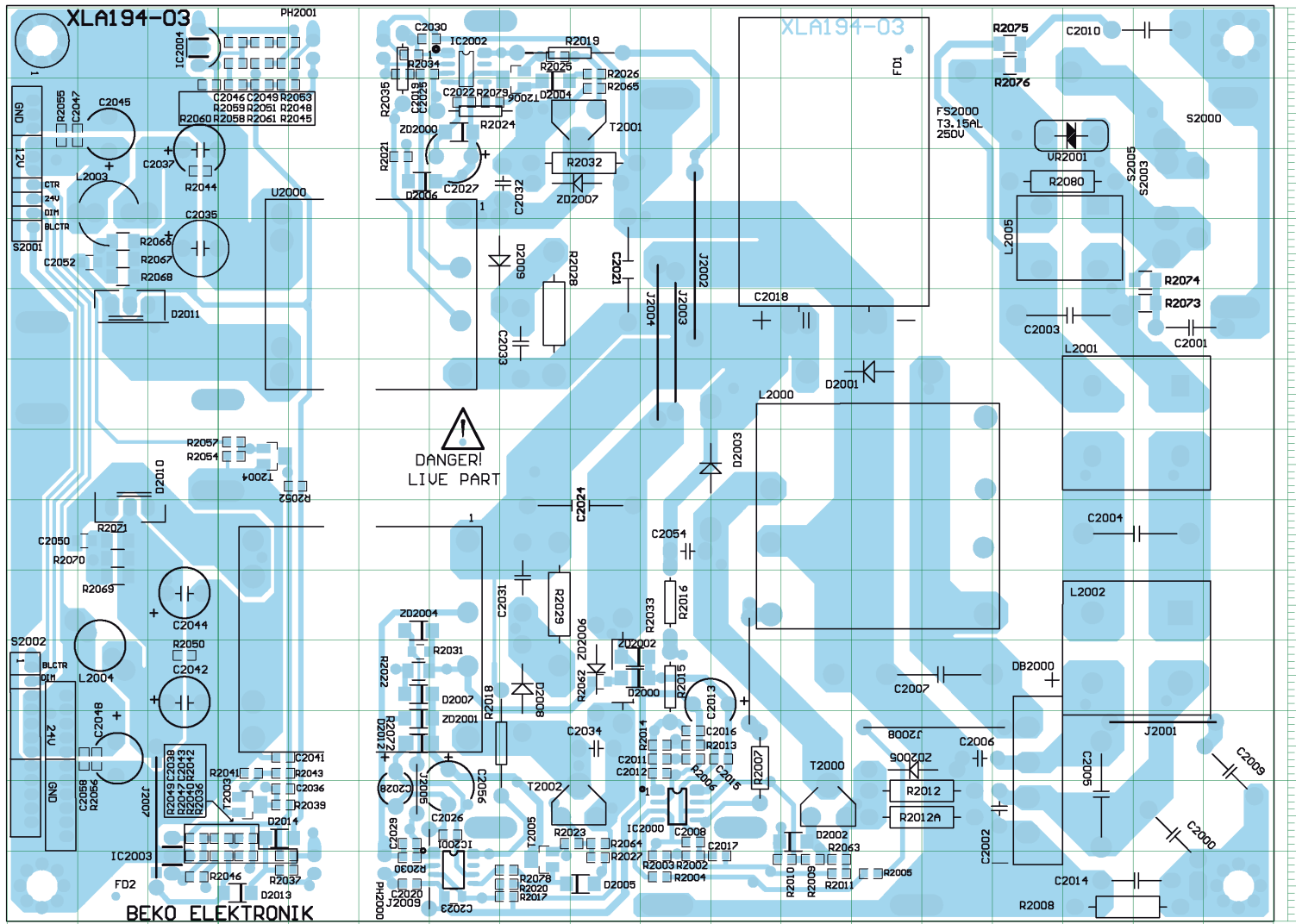
T: Koordinaten für die Bauteile der Bestückungsseite
Coordinates of the Components on the component side
B: Koordinaten für die Bauteile der Lötseite
Coordinates of the Components on the solder side

POS.	X	Y	POS.	X	Y	POS.	X	Y
C2000	T 118	14	D2014	B 118	141	R2039	B 114	141
C2001	T 46	12	DB2000	T 103	35	R2040	B 121	146
C2002	T 114	39	FS2000	T 10	36	R2041	B 109	145
C2003	T 44	29	H2001	T 5	5	R2042	B 118	146
C2004	T 75	20	H2002	T 125	5	R2043	B 109	141
C2005	T 112	25	H2003	T 5	175	R2044	B 24	153
C2006	T 107	42	H2004	T 125	175	R2045	B 11	140
C2007	T 95	51	IC2000	B 114	85	R2046	B 124	153
C2008	B 119	83	IC2001	B 123	117	R2047	B 121	150
C2009	T 109	6	IC2002	B 9	115	R2048	B 8	140
C2010	T 4	18	IC2003	T 121	157	R2049	B 121	153
C2011	B 107	87	IC2004	T 6	153	R2050	B 92	155
C2012	B 109	87	J2001	T 102	16	R2051	B 8	144
C2013	T 99	80	J2002	T 36	82	R2052	B 68	139
C2014	T 124	20	J2003	T 48	85	R2053	B 5	140
C2015	B 107	79	J2004	T 48	88	R2054	B 64	148
C2016	B 103	83	J2005	T 111	122	R2055	B 18	172
C2017	B 121	79	J2006	T 95	75	R2056	B 107	167
C2018	T 45	63	J2007	T 115	159	R2057	B 62	148
C2019	B 10	124	J2008	T 103	38	R2058	B 11	148
C2020	B 125	123	J2009	T 123	120	R2059	B 8	148
C2021	T 38	92	L2000	T 73	56	R2060	B 11	151
C2022	B 14	115	L2001	T 59	20	R2061	B 11	144
C2023	B 127	117	L2002	T 91	20	R2062	B 96	96
C2024	T 71	99	L2003	T 30	160	R2063	B 121	62
C2025	B 10	120	L2004	T 94	163	R2064	B 119	96
C2026	B 118	117	L2005	T 33	29	R2065	B 12	97
C2027	T 22	117	PH2000	T 122	131	R2066	B 34	164
C2028	T 111	125	PH2001	T 6	132	R2067	B 36	164
C2029	B 119	123	R2002	B 121	83	R2068	B 39	164
C2030	B 5	120	R2003	B 121	87	R2069	B 81	164
C2031	T 81	107	R2004	B 124	87	R2070	B 79	164
C2032	T 25	110	R2005	B 123	57	R2071	B 76	164
C2033	T 48	107	R2006	B 107	83	R2072	B 105	122
C2034	T 106	96	R2007	B 108	73	R2073	B 42	18
C2035	T 35	153	R2008	T 128	21	R2074	B 39	18
C2036	B 111	141	R2009	B 121	66	R2075	B 6	38
C2037	T 21	153	R2010	B 121	70	R2076	B 9	38
C2038	B 118	153	R2011	B 123	62	R2078	B 123	109
C2041	B 107	141	R2012	T 112	50	R2079	B 14	111
C2042	T 99	155	R2012A	T 115	50	R2080	T 25	30
C2043	B 118	150	R2013	B 105	83	S2000	T 28	0
C2044	T 84	155	R2014	B 105	87	S2001	T 23	176
C2045	T 18	166	R2015	T 97	86	S2002	T 116	177
C2046	B 5	148	R2016	T 85	86	S2003	T 19	15
C2047	B 18	170	R2017	B 127	109	S2004	T 118	172
C2048	T 107	165	R2018	T 105	110	S2005	T 22	15
C2049	B 5	144	R2019	T 7	100	T2000	T 111	63
C2050	B 76	169	R2020	B 125	109	T2001	T 19	99
C2052	B 37	168	R2021	B 22	124	T2002	T 111	99
C2054	T 78	83	R2022	B 95	122	T2003	B 114	146
C2056	T 111	117	R2023	B 119	100	T2004	B 64	142
C2058	B 107	169	R2024	T 15	113	T2005	B 121	104
D2000	B 96	91	R2025	B 7	102	T2006	B 11	108
D2001	T 52	58	R2026	B 10	97	U2000	T 41	128
D2002	B 119	68	R2027	B 121	96	U2001	T 90	130
D2003	T 66	80	R2028	T 44	102	VR2001	T 19	29
D2004	B 11	102	R2029	T 85	102	ZD2000	B 18	116
D2005	B 125	99	R2030	B 121	123	ZD2001	B 101	122
D2006	B 25	121	R2031	B 92	121	ZD2002	B 93	91
D2007	B 98	122	R2032	T 22	98	ZD2004	B 89	122
D2008	T 97	107	R2033	T 95	93	ZD2005	T 109	51
D2009	T 36	110	R2034	B 7	123	ZD2006	T 94	96
D2010	T 71	163	R2035	T 9	123	ZD2007	T 25	99
D2011	T 43	163	R2036	B 121	140			
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D2013	B 126	147						

Netzteil-Platte / Power Supply Board XLA194

Ansicht von der Lötseite / View of Solder Side

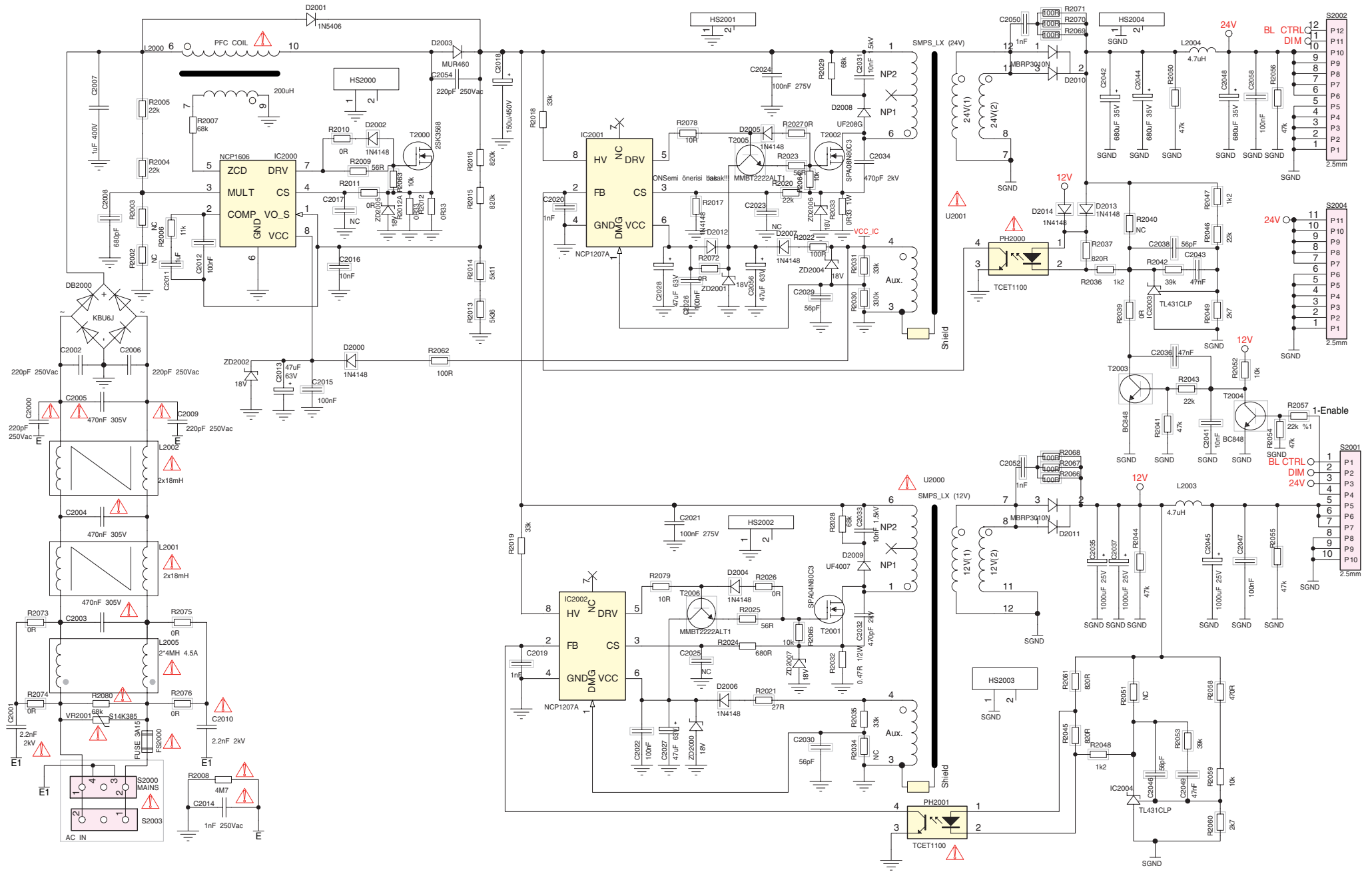
- T:** Koordinaten für die Bauteile der Bestückungsseite
Coordinates of the Components on the component side
- B:** Koordinaten für die Bauteile der Lötseite
Coordinates of the Components on the solder side



POS.	X	Y	POS.	X	Y	POS.	X	Y
C2000	T 118	14	D2014	B 118	141	R2039	B 114	141
C2001	T 46	12	DB2000	T 103	35	R2040	B 121	146
C2002	T 114	39	FS2000	T 10	36	R2041	B 109	145
C2003	T 44	29	H2001	T 5	5	R2042	B 118	146
C2004	T 75	20	H2002	T 125	5	R2043	B 109	141
C2005	T 112	25	H2003	T 5	175	R2044	B 24	153
C2006	T 107	42	H2004	T 125	175	R2045	B 11	140
C2007	T 95	51	IC2000	B 114	85	R2046	B 124	153
C2008	B 119	83	IC2001	B 123	117	R2047	B 121	150
C2009	T 109	6	IC2002	B 9	115	R2048	B 8	140
C2010	T 4	18	IC2003	T 121	157	R2049	B 121	153
C2011	B 107	87	IC2004	T 6	153	R2050	B 92	155
C2012	B 109	87	J2001	T 102	16	R2051	B 8	144
C2013	T 99	80	J2002	T 36	82	R2052	B 68	139
C2014	T 124	20	J2003	T 48	85	R2053	B 5	140
C2015	B 107	79	J2004	T 48	88	R2054	B 64	148
C2016	B 103	83	J2005	T 111	122	R2055	B 18	172
C2017	B 121	79	J2006	T 95	75	R2056	B 107	167
C2018	T 45	63	J2007	T 115	159	R2057	B 62	148
C2019	B 10	124	J2008	T 103	38	R2058	B 11	148
C2020	B 125	123	J2009	T 123	120	R2059	B 8	148
C2021	T 38	92	L2000	T 73	56	R2060	B 11	151
C2022	B 14	115	L2001	T 59	20	R2061	B 11	144
C2023	B 127	117	L2002	T 91	20	R2062	B 96	96
C2024	T 71	99	L2003	T 30	160	R2063	B 121	62
C2025	B 10	120	L2004	T 94	163	R2064	B 119	96
C2026	B 118	117	L2005	T 33	29	R2065	B 12	97
C2027	T 22	117	PH2000	T 122	131	R2066	B 34	164
C2028	T 111	125	PH2001	T 6	132	R2067	B 36	164
C2029	B 119	123	R2002	B 121	83	R2068	B 39	164
C2030	B 5	120	R2003	B 121	87	R2069	B 81	164
C2031	T 81	107	R2004	B 124	87	R2070	B 79	164
C2032	T 25	110	R2005	B 123	57	R2071	B 76	164
C2033	T 48	107	R2006	B 107	83	R2072	B 105	122
C2034	T 106	96	R2007	B 108	73	R2073	B 42	18
C2035	T 35	153	R2008	T 128	21	R2074	B 39	18
C2036	B 111	141	R2009	B 121	66	R2075	B 6	38
C2037	T 21	153	R2010	B 121	70	R2076	B 9	38
C2038	B 118	153	R2011	B 123	62	R2078	B 123	109
C2041	B 107	141	R2012	T 112	50	R2079	B 14	111
C2042	T 99	155	R2012A	T 115	50	R2080	T 25	30
C2043	B 118	150	R2013	B 105	83	S2000	T 28	0
C2044	T 84	155	R2014	B 105	87	S2001	T 23	176
C2045	T 18	166	R2015	T 97	86	S2002	T 116	177
C2046	B 5	148	R2016	T 85	86	S2003	T 19	15
C2047	B 18	170	R2017	B 127	109	S2004	T 118	172
C2048	T 107	165	R2018	T 105	110	S2005	T 22	15
C2049	B 5	144	R2019	T 7	100	T2000	T 111	63
C2050	B 76	169	R2020	B 125	109	T2001	T 19	99
C2052	B 37	168	R2021	B 22	124	T2002	T 111	99
C2054	T 78	83	R2022	B 95	122	T2003	B 114	146
C2056	T 111	117	R2023	B 119	100	T2004	B 64	142
C2058	B 107	169	R2024	T 15	113	T2005	B 121	104
D2000	B 96	91	R2025	B 7	102	T2006	B 11	108
D2001	T 52	58	R2026	B 10	97	U2000	T 41	128
D2002	B 119	68	R2027	B 121	96	U2001	T 90	130
D2003	T 66	80	R2028	T 44	102	VR2001	T 19	29
D2004	B 11	102	R2029	T 85	102	ZD2000	B 18	116
D2005	B 125	99	R2030	B 121	123	ZD2001	B 101	122
D2006	B 25	121	R2031	B 92	121	ZD2002	B 93	91
D2007	B 98	122	R2032	T 22	98	ZD2004	B 89	122
D2008	T 97	107	R2033	T 95	93	ZD2005	T 109	51
D2009	T 36	110	R2034	B 7	123	ZD2006	T 94	96
D2010	T 71	163	R2035	T 9	124	ZD2007	T 25	99
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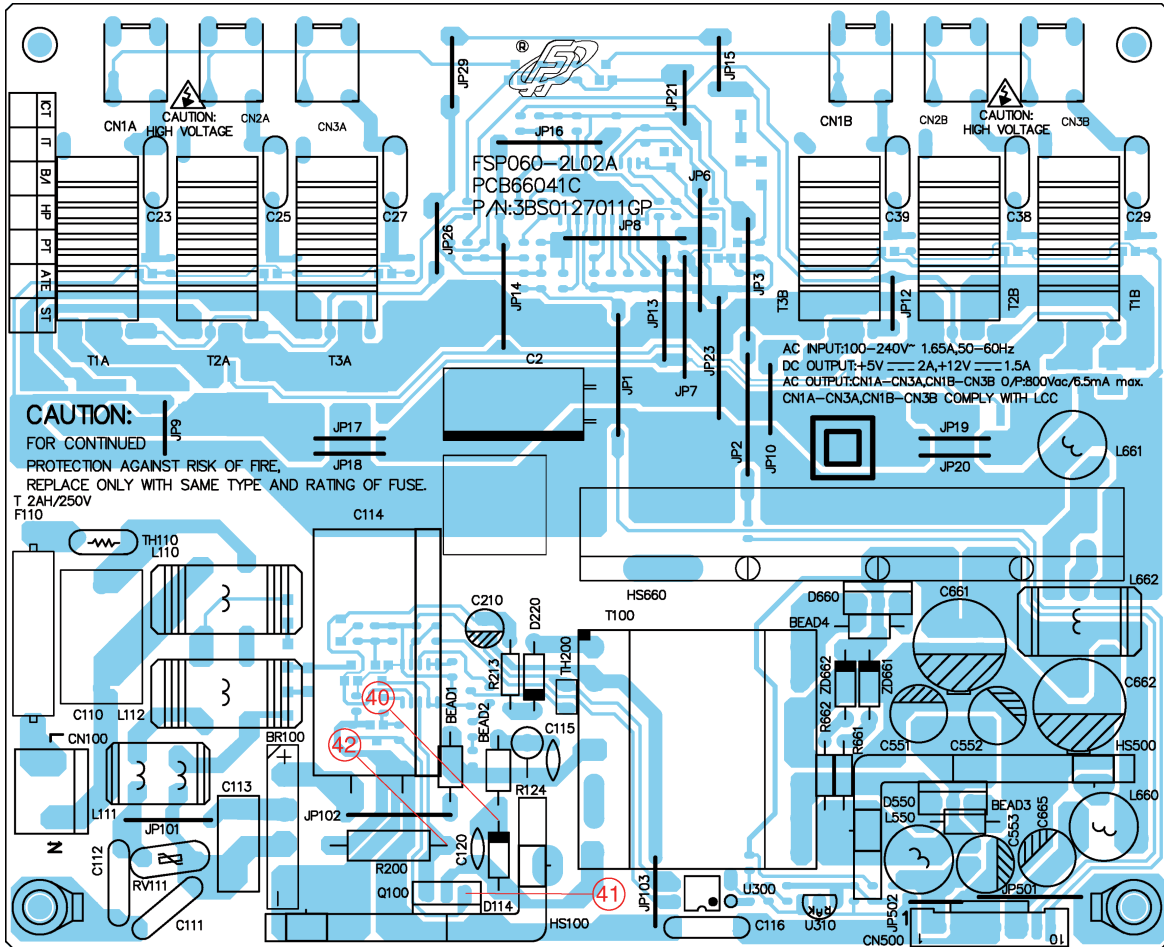
Netzteil-Platte / Power Supply Board XLA194

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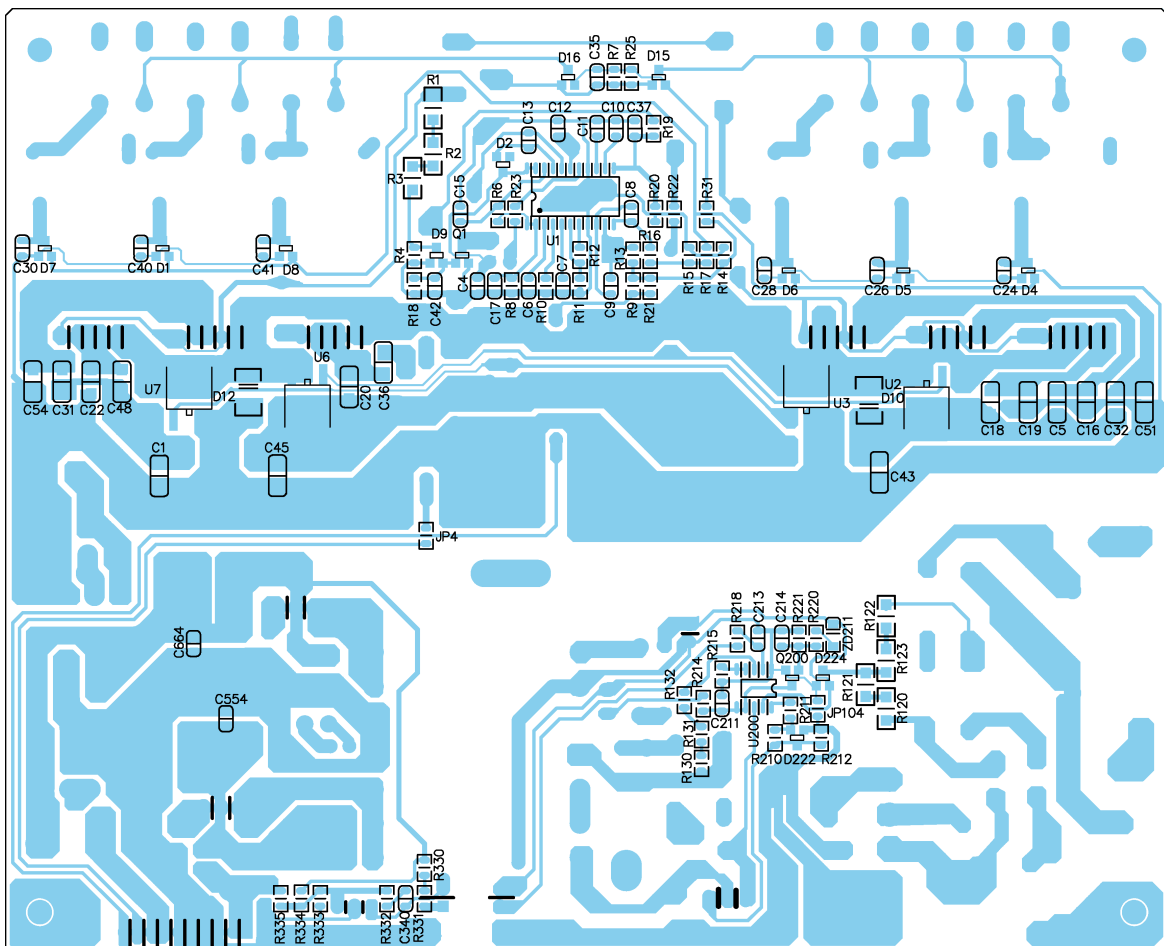


Netzteil-/Inverterplatte / Power Supply/Inverter Board FSP060-2L02A

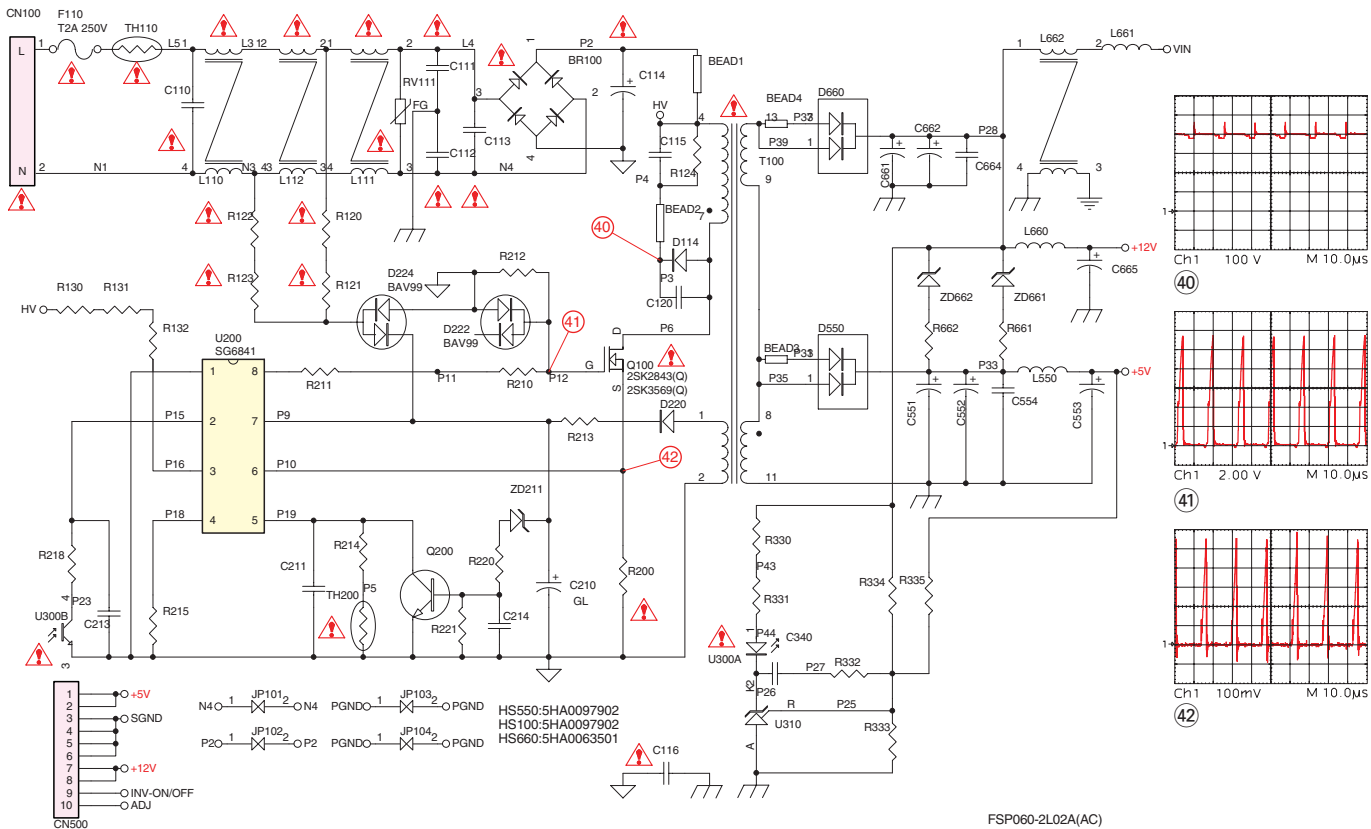
Ansicht von der Bestückungsseite / View of Component Side



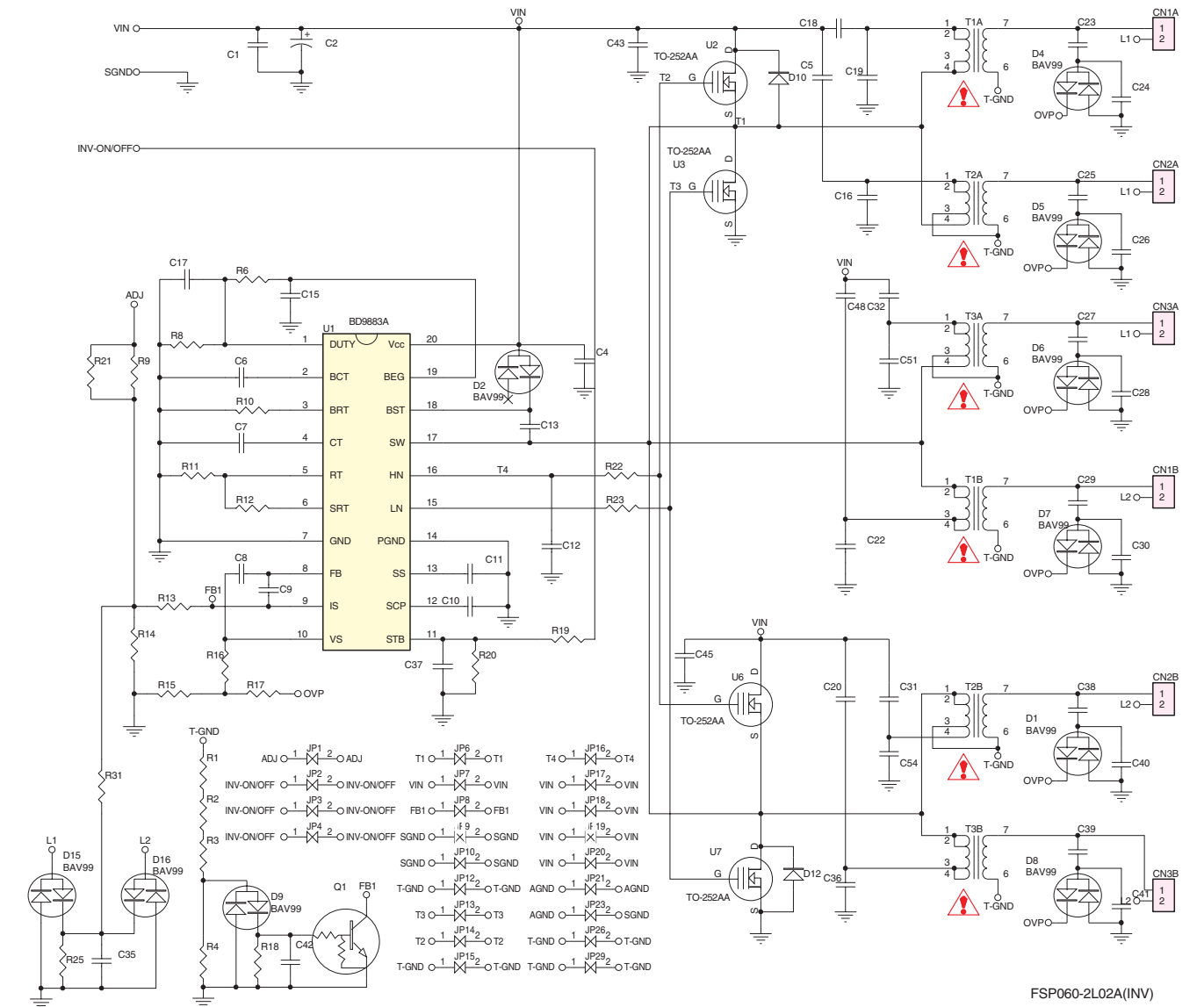
Ansicht von der Lötseite / View of Solder Side



Netzteil-/Inverterplatte / Power Supply/Inverter Board FSP060-2L02A



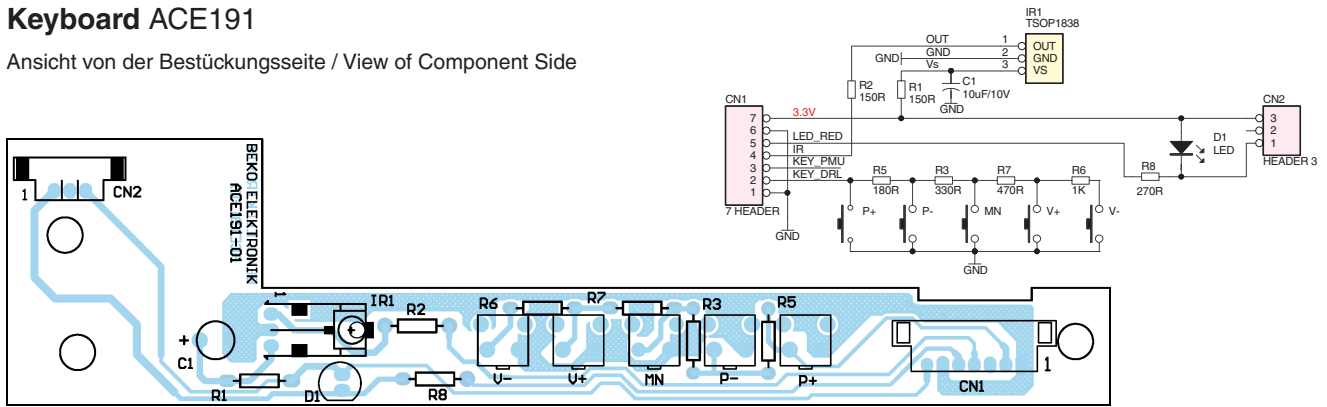
FSP060-2L02A(AC)



FSP060-2L02A(INV)

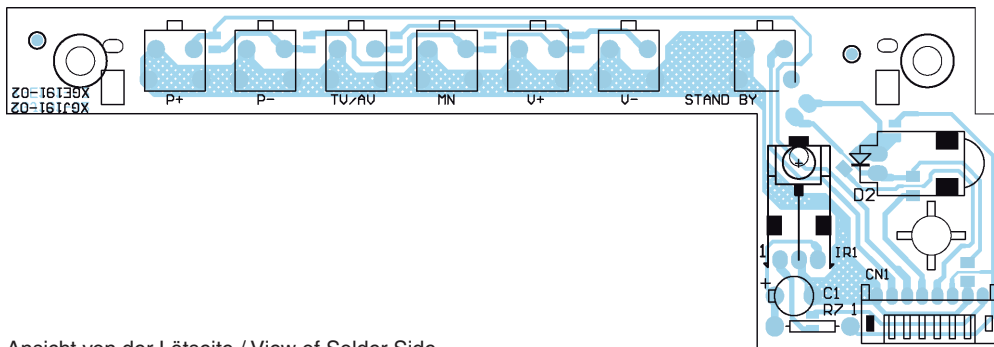
Keyboard ACE191

Ansicht von der Bestückungsseite / View of Component Side

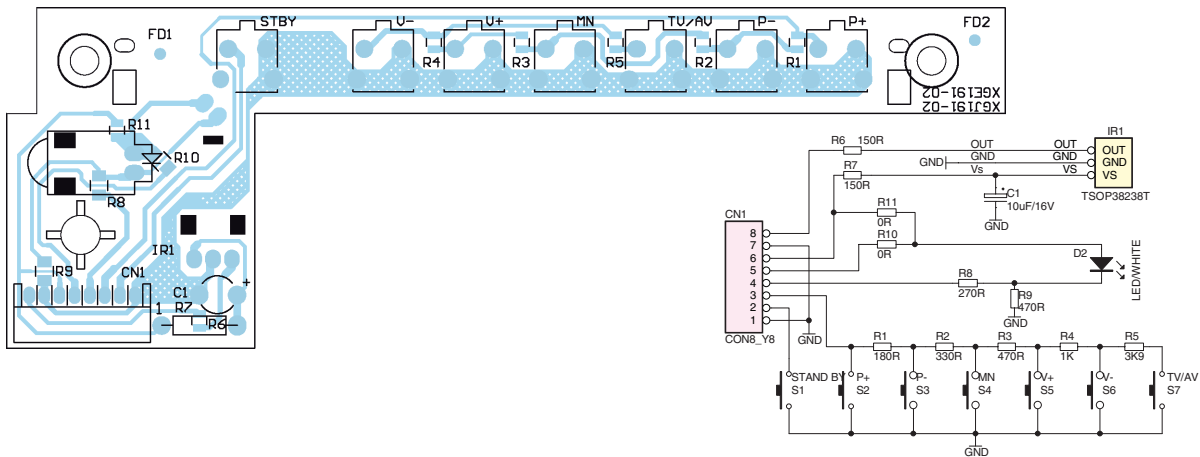


Keyboard XGE191 / XGJ191

Ansicht von der Bestückungsseite / View of Component Side

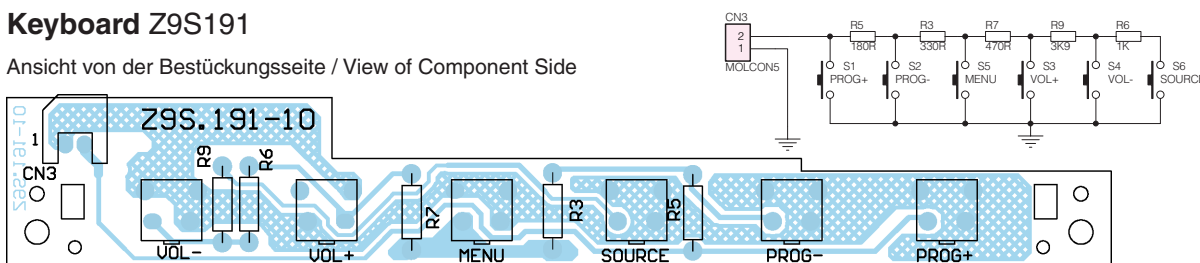


Ansicht von der Lötseite / View of Solder Side



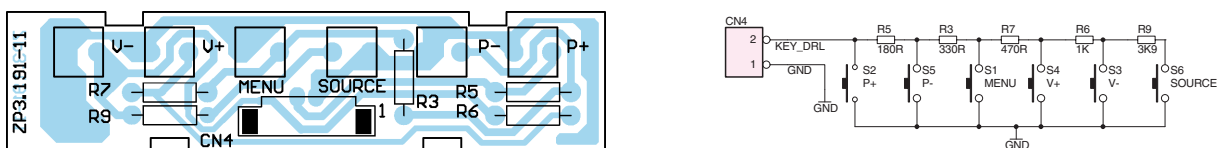
Keyboard Z9S191

Ansicht von der Bestückungsseite / View of Component Side



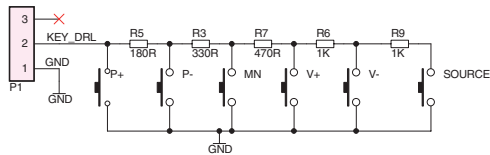
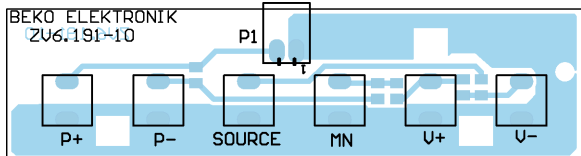
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Ansicht von der Bestückungsseite / View of Component Side

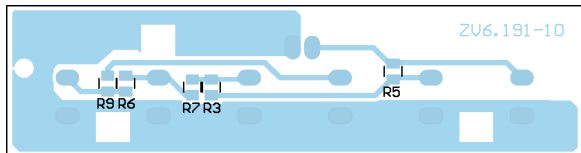


Keyboard ZV6191

Ansicht von der Bestückungsseite / View of Component Side

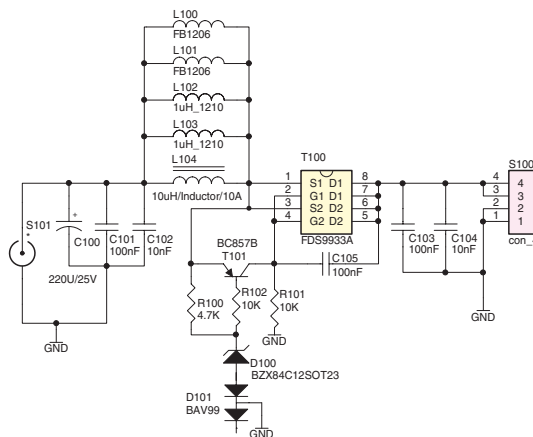
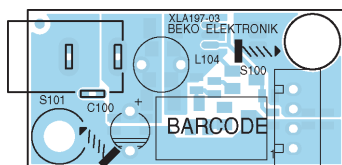


Ansicht von der Lötseite / View of Solder Side

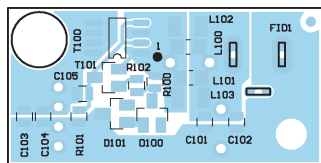


DC-Eingangs-Platte / DC Input Board XLA197

Ansicht von der Bestückungsseite / View of Component Side

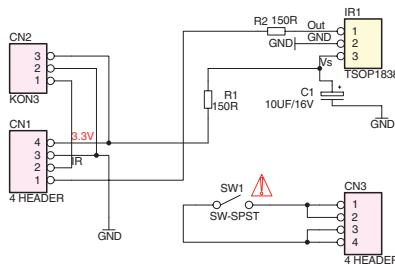
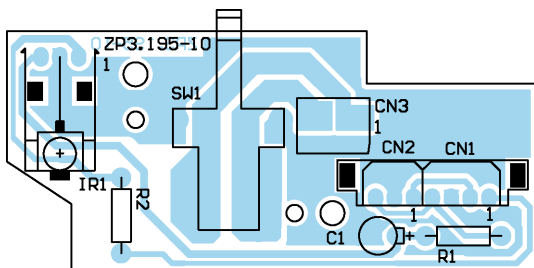


Ansicht von der Lötseite / View of Solder Side



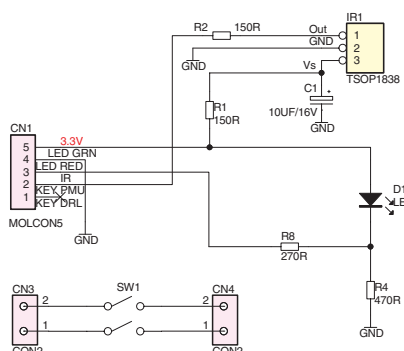
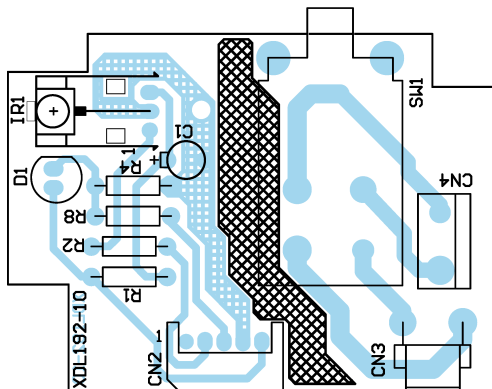
Netzschalter-Platte / Power Switch Board ZP3195

Ansicht von der Bestückungsseite / View of Component Side



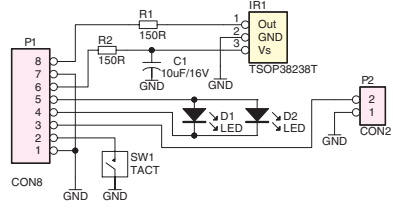
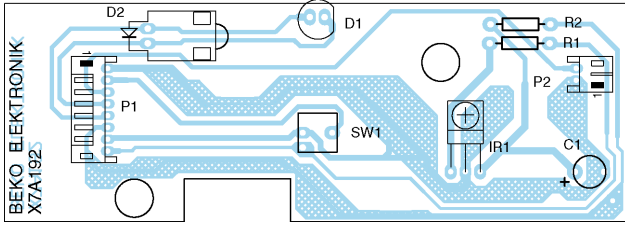
Netzschalter-Platte / Power Switch Board XDL192

Ansicht von der Bestückungsseite / View of Component Side



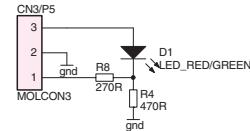
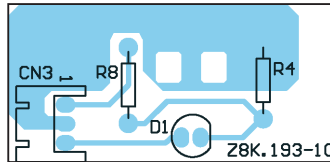
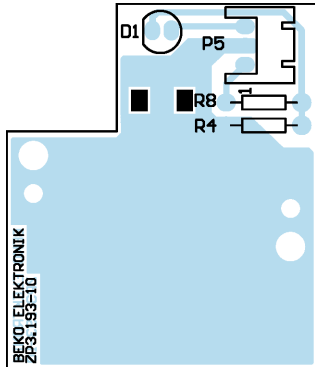
LED-Platte / Board X7A192

Ansicht von der Bestückungsseite / View of Component Side



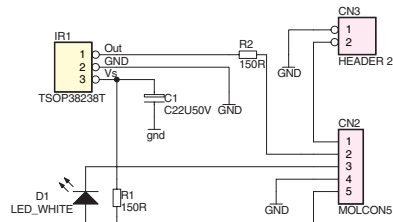
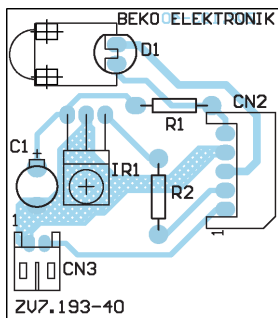
LED-Platten / Boards ZP3193 / Z8K193

Ansicht von der Bestückungsseite / View of Component Side



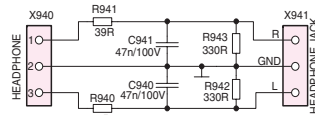
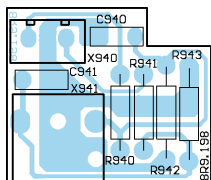
LED-Platte / Board ZV7193

Ansicht von der Bestückungsseite / View of Component Side



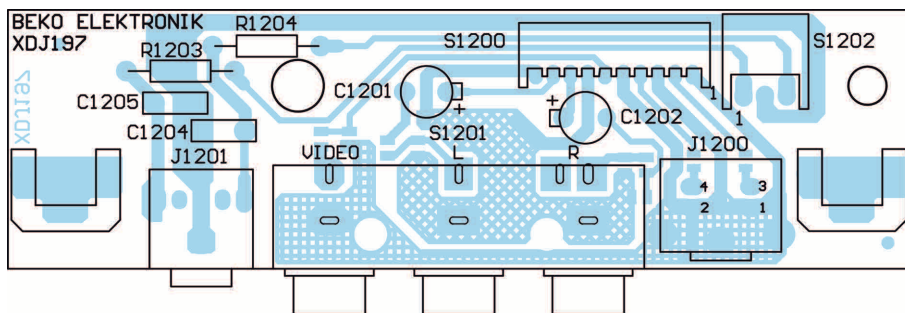
Kopfhörer-Platte / Head Phone Board 8R9198

Ansicht von der Bestückungsseite / View of Component Side

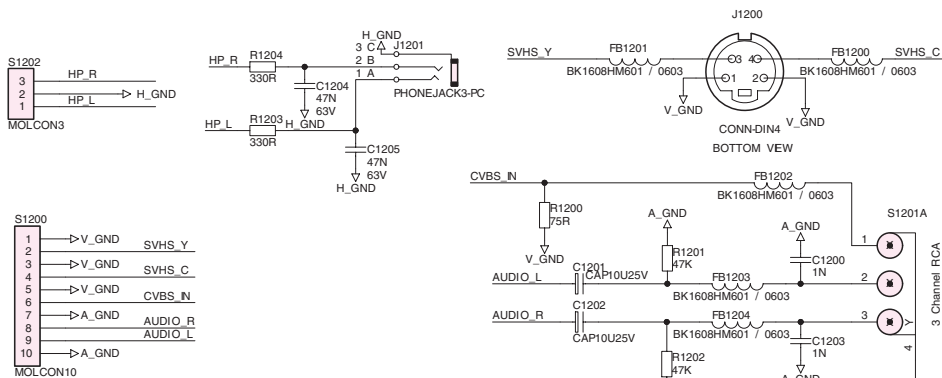
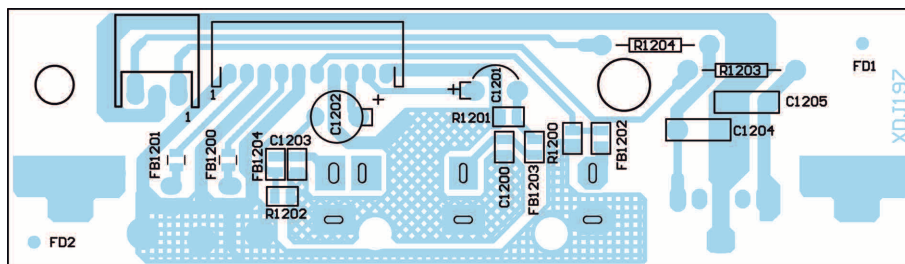


Buchsen-Platte / Socket Board XDJ197

Ansicht von der Bestückungsseite / View of Component Side

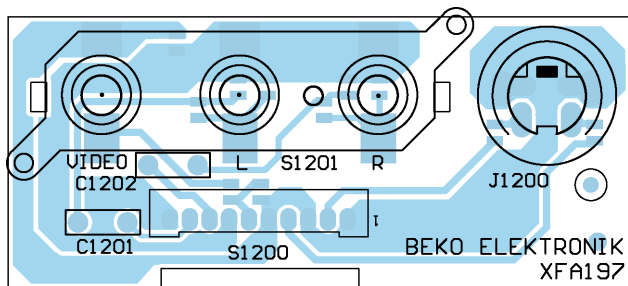


Ansicht von der Lötseite / View of Solder Side

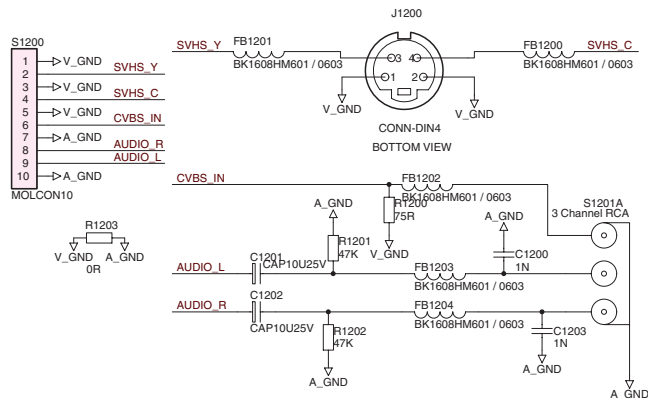
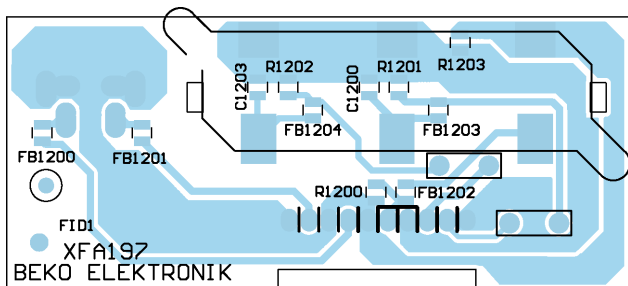


Buchsen-Platte / Socket Board XFA197

Ansicht von der Bestückungsseite / View of Component Side

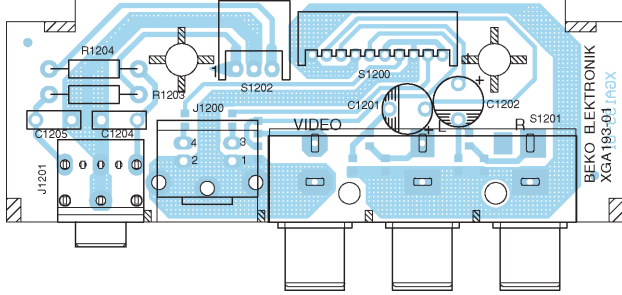


Ansicht von der Lötseite / View of Solder Side

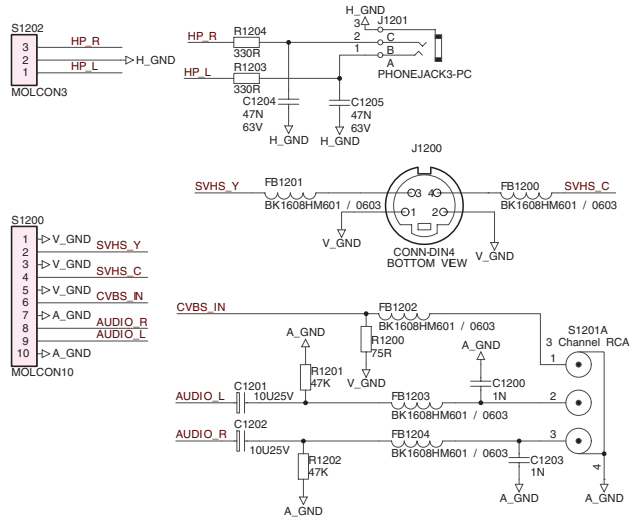
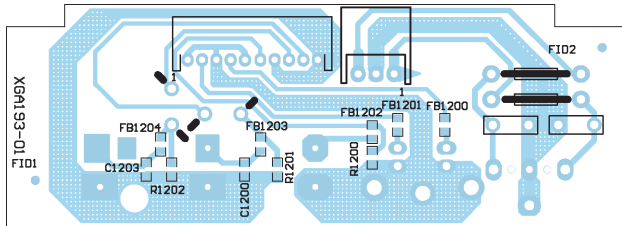


Buchsen-Platte / Socket Board XGA193

Ansicht von der Bestückungsseite / View of Component Side

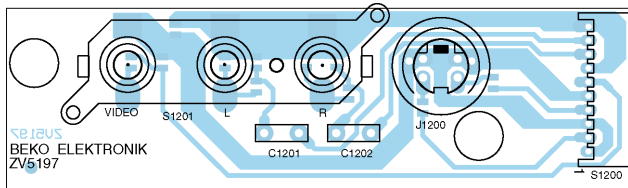


Ansicht von der Lötseite / View of Solder Side

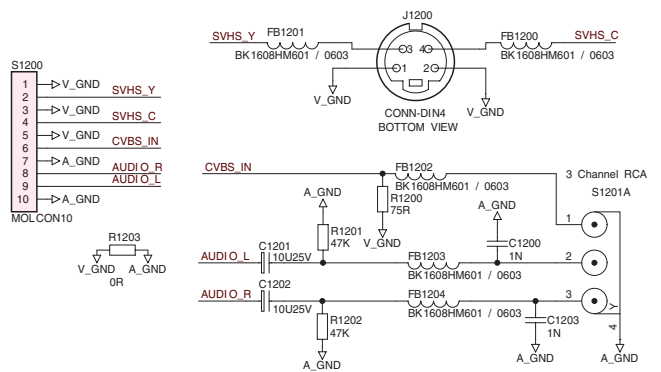
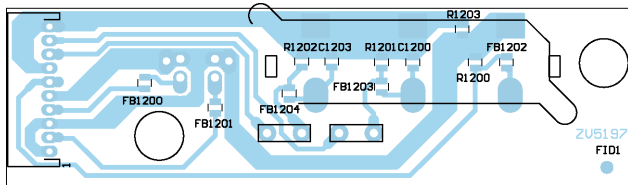


Buchsen-Platte / Socket Board ZV5197

Ansicht von der Bestückungsseite / View of Component Side



Ansicht von der Lötseite / View of Solder Side



Ersatzteilliste Spare Parts List

**NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY**

TV

9 / 2007

DAVIO 20 LCD 51-5710 TEXT

BESTELL-NR. / ORDER NO.: GBF6600 (ERV)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG ①	DESCRIPTION ②
		GBF6600		DAVIO 20 LCD 51-5710 TEXT PRODUKTCODE ERV KEIN E-TEIL	DAVIO 20 LCD 51-5710 TEXT PRODUKT CODE ERV NO SPARE PART
<p>Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal "http://service.grundig.de".</p> <p>Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal "http://service.grundig.de".</p>					
0001.000		759551372100		GEH.-VORDERTEIL SILBER	FRONT CABINET SILVER
0002.000		759551372000		RUECKWAND SILBER	BACK COVER SILVER
0007.000		759551202400		LAUTSPRECHER 8 OHM 5 W	LOUDSPEAKER 8 OHM 5 W
0010.000	△	759551328600		LCD-DISPLAY AU A201SN02 V5	LCD-DISPLAY AU A201SN02 V5
0010.000	△	759551328500		LCD-DISPLAY LC201V02-SDA1 P7	LCD-DISPLAY LC201V02-SDA1 P7
0010.000	△	759551359800		LCD-DISPLAY HYDIS HT201V01-101*	LCD-DISPLAY HYDIS HT201V01-101*
0015.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0016.000		759551371900		KNOPF NETZ SILBER	KNOB POWER SILVER
0018.000		759551371800		KNOPF PROG./ VOL. SILBER	KNOB PROG./VOL. SILVER
0019.000		759551372300		FUSS SILBER	FOOT SILVER
0021.000		759551328700		KABEL DISPLAY-LVDS	CABLE DISPLAY-LVDS
0021.000		759551373500		KABEL DISPLAY-LVDS	CABLE DISPLAY-LVDS
0021.000		759551328700		KABEL DISPLAY-LVDS*	CABLE DISPLAY-LVDS*
0025.000	△	275991014300	X	LP-CHASSISMODUL LX(ERV)	CHASSISBOARD LX(ERV)
0025.000	△	275991019200	X	LP-CHASSISMODUL LX(C2N) *	CHASSISBOARD LX(C2N)*
0027.000		720117138500		FERNBEDIENUNG TP 170C SILBER	REMOTE CONTROL TP 170C SILVER
0030.000		275990222400		LP-BEDIENMODUL L49	CONTROLBOARD L49
0040.000		275990213400		LP-KOPFHOERERMODUL (8R9198-01)	HEAD PHONE BOARD (8R9198-01)
0070.000	△	275990301900		LP-NETZTEILM.12V/5VSP10602L02A*	POWER B.12V/5V SPI 060-2L02A*
0070.000	△	275990301400		LP-NETZTEILM.12V/5VSP1060-2L02L	POWER B.12V/5V SPI 060-2L02L
0090.000		759551371600		POLSTER LINKS	CUSHION LEFT
0091.000		759551371700		POLSTER RECHTS	CUSHION RIGHT
0092.000		759551372200		KARTON	CARTON
<p>DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS</p> <p>THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS</p>					
		720100529000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
			X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST	

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste Spare Parts List

**NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY**

TV

12 / 2007

LENARO 19 LXW 49-7711 TEXT

BESTELL-NR. / ORDER NO.: GBF6400 (EZT)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG ①	DESCRIPTION ②
		GBF6400		LENARO 19 LXW 49-7711 TEXT PRODUKTCODE EZT KEIN E-TEIL	LENARO 19 LXW 49-7711 TEXT PRODUKT CODE EZT NO SPARE PART
<p>Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal "http://service.grundig.de".</p> <p>Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal "http://service.grundig.de".</p>					
0001.000		759551391200		GEH.-VORDERTEIL SILBER	FRONT CABINET SILVER
0002.000		759551391900		RUECKWAND SCHWARZ	BACK COVER BLACK
0003.000		759551391700		BUCHSENABDECKUNG SCHWARZ	JACK COVER BLACK
0007.000		759551202400		LAUTSPRECHER 8 OHM 5 W	LOUDSPEAKER 8 OHM 5 W
0010.000	△	759551357000		LCD DISPLAY BOE-HYDIS HT190WG1	LCD DISPLAY BOE-HYDIS HT190WG1
0011.000	△	275991024200		LP-INVERTERMODUL 19W 4L/4P	INVERTERBOARD 19W 4L/4P
0012.000	△	759551356600		LP-INVERTERMODUL 19W (FIF1942-67A)	INVERTERBOARD 19W (FIF1942-67A)
0015.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0016.000		759551391800		KNOPF NETZ SILBER	KNOB POWER SILVER
0017.000		759550925300		FEDER KNOPF NETZ	SPRING KNOB POWER
0018.000		759551368100		KNOPF PROG./VOL. SILBER	KNOB PROG./VOL. SILVER
0019.000		759551391600		FUSS SCHWARZ	FOOT BLACK
0021.000		759551392000		KABEL DISPLAY-LVDS	CABLE DISPLAY-LVDS
0025.000	△	275991024600	X	LP-CHASSISMODUL LX	CHASSISBOARD LX
0027.000		720117139100		FERNBEDIENUNG TP 170C SCHWARZ	REMOTE CONTROL TP 170C BLACK
0030.000		275990225200		LP-IR/LED MODUL	IR/LED BOARD
0040.000		275990215200		LP-KOPFHOERERMODUL 8R9198	HEAD PHONE BOARD 8R9198
0050.000		275990224700		LP-SIDE-AV MODUL 19W LX C65	SIDE-AV BOARD 19W LX C65
0070.000	△	759551147300		NETZADAPTER 12 V / 5 A	POWER ADAPTER 12 V / 5 A
0090.000		759551256100		POLSTER LINKS	CUSHION LEFT
0091.000		759551256200		POLSTER RECHTS	CUSHION RIGHT
0092.000		759551394300		KARTON	CARTON
<p>DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS</p> <p>THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS</p>					
		720100529000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
			X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST	

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

7 / 2007

MONACO 20 LCD 51-9732 DL

BESTELL-NR. / ORDER NO.: GBF0300 (ERT)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GBF0300		MONACO 20 LCD 51-9732 DL PRODUKTCODE ERT KEIN E-TEIL	MONACO 20 LCD 51-9732 DL PRODUCT CODE ERT NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal " http://service.grundig.de ".	Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal " http://service.grundig.de ".
0001.000		759551376500		GEH.-VORDERTEIL SILBER	FRONT CABINET SILVER
0002.000		759551376800		RUECKWAND SILBER	BACK COVER SILVER
0003.000		759551335800		BUCHSENABDECKUNG SILBER	JACK COVER SILVER
0004.000		759551202900		PANEL GLAS	PANEEL GLAS
0007.000		759551202400		LAUTSPRECHER 8 OHM 5 W	LOUDSPEAKER 8 OHM 5 W
0010.000	△	759551328500		LCD-DISPLAY LP LC201V02-SDA1 P	LCD-DISPLAY LP LC201V02-SDA1 P
0015.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0018.000		759551376700		KNOPF PROG./VOL.	KNOPF PROG./VOL.
0019.000		759551207500		FUSS SILBER	FOOT SILVER
0021.000		759551373500		KABEL DISPLAY-LVDS	CABLE DISPLAY-LVDS
0025.000	△	275991014300	X	LP-CHASSISMODUL LX	CHASSISBOARD LX
0027.000		720117138500		FERNBEDIENUNG TP 170C SILBER	REMOTE CONTROL TP 170C SILVER
0030.000		275990222700		LP-BEDIENMODUL L21 (ZP3191-11)	CONTROLBOARD L21 (ZP3191-11)
0040.000		275990222800		LP-LED-MODUL L21 (ZP3193-10)	LED-BOARD L21 (ZP3193-10)
0050.000		275990222900		LP-IR-MODUL L21 (ZP3195-10)	IR-MODUL L21 (ZP3195-10)
0060.000		275990215200		LP-KOPFHOERERMODUL 8R9198	HEAD PHONE BOARD 8R9198
0070.000	△	275990301400		LP-NETZTEILMODUL 12V/5V SPI FS	POWER BOARD 12V/5V SPI FSP060-
0090.000		759551335500		POLSTER LINKS	CUSHION LEFT
0091.000		759551335600		POSTER RECHTS	CUSHION RIGHT
0092.000		759551376600		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100529000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

10 / 2007

VISION 6 32-6820

BESTELL-NR. / ORDER NO.: GBG6500 (S8Q)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GBG6500		VISION 6 32-6820 (GLOSSY BLACK) PRODUKTCODE S8Q KEIN E-TEIL	VISION 6 32-6820 (GLOSSY BLACK) PRODUCT CODE S8Q NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal " http://service.grundig.de ".	Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal " http://service.grundig.de ".
0001.000		759551379700		GEH.-VORDERTEIL SCHWARZ	FRONT CABINET BLACK
0002.000		759551380500		RUECKWAND SCHWARZ	BACK COVER BLACK
0007.000		759551380000		LAUTSPRECHER 4 OHM 10/15W	SPEAKER 4 OHM 10/15W
0010.000	△	759551379900		LCD-DISPLAY AUO T315XW02 VC01	LCD-DISPLAY AUO T315XW02 VC01
0014.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0018.000		759551380200		KNOPF PROG./VOL/STANDBY SILBER	KNOPF PROG./VOL/STANDBY SILVER
0019.000		759551380100		FUSS SCHWARZ	FOOT BLACK
0021.000		759551373200		KABEL DISPLAY-LVDS	CABLE DISPLAY-LVDS
0025.000	△	275991020900	X	LP-CHASSISMODUL LX	CHASSISBOARD LX
0027.000		720117139100		FERNBEDIENUNG TP 170C SCHWARZ	REMOTE CONTROL TP 170C BLACK
0030.000		275990223200		LP-IR/LED MODUL	IR/LED BOARD
0050.000		275990223100		LP-AV/KOPFHOERERMODUL	AV/HEADPHONEBOARD
0070.000	△	275990303400		LP-NETZTEILMODUL SPS PSU 24/6	POWER SUPPLY BOARD SPS PSU 24/6
0090.000		759551380300		POLSTER OBEN LINKS/RECHTS	CUSHION TOP LEFT/RIGHT
0091.000		759551380400		POLSTER BODEN LINKS/RIGHT	CUSHION BOTTOM LEFT/RIGHT
0092.000		759551379800		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100529000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

5 / 2006

VISION 20 LCD 51-8720 TEXT

ERSETZT AUSGABE 5/2006
SUBSTITUTE EDITION 5/2006

BESTELL-NR. / ORDER NO.: GBF0800 (ETQ)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GBF0800		VISION 20 LCD 51-8720 TEXT PRODUKTCODE ETQ KEIN E-TEIL	VISION 20 LCD 51-8720 TEXT PRODUCT CODE ETQ NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal " http://service.grundig.de ".	Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal " http://service.grundig.de ".
0001.000		759551373300		GEH.-VORDERTEIL SCHWARZ	FRONT CABINET BLACK
0002.000		759551373700		RUECKWAND SCHWARZ	BACK COVER BLACK
0004.000		759551202900		PANEL GLAS	PANEL GLAS
0007.000		759551202400		LAUTSPRECHER 8 OHM 5 W	LOUDSPEAKER 8 OHM 5 W
0010.000	△	759551328500		LCD-DISPLAY LP LC201V02-SDA1 P7	LCD-DISPLAY LP LC201V02-SDA1 P7
0010.000	△	759551359800		LCD-DISPLAY HYDIS HT201V01-101*	LCD-DISPLAY HYDIS HT201V01-101*
0014.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0018.000		759551373600		KNOPF PROG./VOL. SCHWARZ	KNOP PROG./VOL. BLACK
0019.000		759551242300		FUSS	FOOT
0021.000		759551373500		KABEL DISPLAY-LVDS	CABLE DISPLAY-LVDS
0021.000		759551328700		KABEL DISPLAY-LVDS*	CABLE DISPLAY-LVDS*
0025.000	△	275991014300	X	LP-CHASSISMODUL LX	CHASSISBOARD LX
0025.000	△	275991019200	X	LP-CHASSISMODUL LX*	CHASSISBOARD LX*
0027.000		720117139100		FERNBEDIENUNG TP 170C SCHWARZ	REMOTE CONTROL TP 170C BLACK
0030.000		275990222700		LP-BEDIENMODUL L21 (ZP3191-11)	CONTROLBOARD L21 (ZP3191-11)
0040.000		275990222800		LP-LED-MODUL L21 (ZP3193-10)	LED-BOARD L21 (ZP3193-10)
0050.000		275990222900		LP-IR-MODUL L21 (ZP3195-10)	IR-MODUL L21 (ZP3195-10)
0060.000		275990215200		LP-KOPFHOERERMODUL 8R9198	HEAD PHONE BOARD 8R9198
0070.000	△	275990301400		LP-NETZTEILMOD.12V/5V SPI 0602L02L	POWER B.12V/5V SPI 0602L02L
0070.000	△	275990301600		LP-NETZTEILMOD.12V/5V SPI 0602L02A*	POWER B.12V/5V SPI 0602L02A*
0090.000		759551335500		POLSTER LINKS	CUSHION LEFT
0091.000		759551335600		POSTER RECHTS	CUSHION RIGHT
0092.000		759551373400		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
				720100529000 720108000001	SERVICE MANUAL D/GB SICHERHEITSMANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

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Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

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VIVANCE II 32 LXW 82-6711 TEXT

BESTELL-NR. / ORDER NO.: GBF8500 (ETP)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GBF8500		VIVANCE II 32 LXW 82-6711 TEXT PRODUKTCODE ETP KEIN E-TEIL	VIVANCE II 32 LXW 82-6711 TEXT PRODUCT CODE ETP NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal " http://service.grundig.de ".	Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal " http://service.grundig.de ".
0001.000		759551372900		GEHAEUSEVORDERTEIL SILBER	FRONT CABINET SILVER
0002.000		759551372600		RUECKWAND SILBER	BACK COVER SILVER
0003.000		759551372800		BUCHSENABDECK. HORIZONTAL SILBER	JACK COVER HORIZONTAL SILVER
0004.000		759551372700		BUCHSENABDECK. SILBER	JACK COVER SILVER
0007.000		759551294400		LAUTSPRECHER 10/15W 4 OHM 126X57	LOUDSPEAKER 10/15W 4 OHM 126X57
0008.000		759550975700		HOCHTONLAUTSPRECHER 10 OHM/10W	TWEETER 10 OHM/10W
0010.000	△	759551361300		LCD DISPLAY SS LTA320WT-L05 UTR	LCD DISPLAY SS LTA320WT-L05 UTR
0015.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0018.000		759551372500		KNOPF PROG./VOL. SILBER	KNOP PROG./VOL. SILVER
0019.000		759551373100		FUSS SILBER	FOOT SILVER
0021.000		759551373200		KABEL DISPLAY-LVDS	CABLE DISPLAY-LVDS
0025.000	△	275991014200	X	LP-CHASSISMODUL LX	CHASSISBOARD LX
0027.000		720117138500		FERNBEDIENUNG TP 170C SILBER	REMOTE CONTROL TP 170C SILVER
0030.000		275990222500		LP-BEDIENMODUL 32 LXC38	CONTROL BOARD 32 LXC38
0040.000		275991014100		LP-AV/KOPFHOERERMODUL 32LXC31	AV/HEADPHONEBOARD 32LXC31
0050.000		275990222600		LP-IR/LED-MODUL 32 LXC31 (XDL1	IR/LED BOARD 32 LXC31 (XDL192-
0070.000	△	275990303100	X	LP-NETZTEILMODUL SMPS 32 LX (TSW)	POWER SUPPLY BOARD 32 LX (TSW)
0090.000		759551367400		POLSTER	CUSHION
0091.000		759551367300		POLSTER	CUSHION
0092.000		759551373000		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
				720100529000 720108000001	SERVICE MANUAL D/GB SICHERHEITSMANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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26 LXW 68-8600 DL

BESTELL-NR. / ORDER NO.: GBF8600 (EHJ, CJC, T4G)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG ①	DESCRIPTION ②
		GBF8600		26 LXW 68-8600 DL PRODUKTCODE T4G KEIN E-TEIL	26 LXW 68-8600 DL PRODUCT CODE T4G NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal " http://service.grundig.de ".	Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal " http://service.grundig.de ".
0001.000		759551389200		GEH.-VORDERTEIL SILBER	FRONT CABINET SILBER
0002.000		759551388800		RUECKWAND SILBER	BACK COVER SILBER
0003.000		759551363500		BUCHSENABDECKUNG SILBER	JACK COVER SILBER
0007.000		759551296700		HOCHTONLAUTSPRECHER 8 OHM 12/15 W	TWEETER 8 OHM 12/15W 52X74
0008.000		759551224700		LAUTSPRECHER 8 OHM 7 W	LOUDSPEAKER 8 OHM 7 W
0010.000	△	759551377900		LCD-DISPLAY AUO T260XW03.V0 TN	LCD-DISPLAY AUO T260XW03.V0 TN
0015.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0016.000		759551386800		KNOPF NETZ SILBER	KNOB POWER SILVER
0017.000		759550925300		FEDER KNOPF NETZ	SPRING KNOB POWER
0018.000		759551352700		KNOPF PROG. SILBER	KNOB PROG. SILVER
0019.000		759551323900		FUSS SILBER	FOOT SILVER
0021.000		759551373200		KABEL DISPLAY-LVDS	CABLE DISPLAY-LVDS
0025.000	△	275991023600	X	LP-CHASSISMODUL LX	CHASSISBOARD LX
0027.000		720117138500		FERNBEDIENUNG TP 170C SILBER	REMOTE CONTROL TP 170C SILVER
0030.000		275990224600		LP-BEDIENMODUL 20LXL84 (ZV6191	CONTROLBOARD 20LXL84 (ZV6191-1
0035.000		275990224900		LP-IR-MODUL 37DYC998ZV7193-409	IR BOARD 37DYC998ZV7193-409
0040.000		275990215200		LP-KOPFHOERERMODUL 8R9198	HEAD PHONE BOARD 8R9198
0050.000		275990224700		LP-SIDE-AV MODUL 19W LX C65	SIDE-AV BOARD 19W LX C65
0070.000	△	275990303600	X	LP-NETZTEILMODUL LX 24/6 12/4	POWER SUPPLY BOARD LX 24/6 12/4
0090.000		759551157700		POLSTER LINKS	CUSHION LEFT
0091.000		759551157800		POLSTER RECHTS	CUSHION RIGHT
0092.000		759551363800		KARTON	CARTON
		720100529000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

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32 LXW 82-8600 DL

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BESTELL-NR. / ORDER NO.: GBF7300 (T4K)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG ①	DESCRIPTION ②
		GBF7300		32 LXW 82-8600 DL PRODUKTCODE T4K KEIN E-TEIL	32 LXW 82-8600 DL PRODUCT CODE T4K NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal " http://service.grundig.de ".	Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal " http://service.grundig.de ".
0001.000		759551391100		GEH.-VORDERTEIL SILBER	FRONT CABINET SILBER
0002.000		759551386700		RUECKWAND SILBER	BACK COVER SILBER
0003.000		759551281300		BUCHSENABDECKUNG SILBER	JACK COVER SILVER
0007.000		759551178800		LAUTSPRECHER 4 OHM 10/15 W	SPEAKER 4OHM 10/15 W
0008.000		759551296700		HOCHTONLAUTSPRECHER 8OHM 12/15W	TWEETER 8OHM 12/15W 52X74
0010.000	△	759551386500		LCD-DISPLAY HITACHI AX080E002B	LCD HITACHI AX080E002B
0010.000	△	759551379900		LCD-DISPLAY AUO T315XW02 VC01*	LCD-DISPLAY AUO T315XW02 VC01*
0010.000	△	759551179300		LCD-DISPLAY 32" LQ315T3LZ1K**	LCD-DISPLAY 32" LQ315T3LZ1K**
0014.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0016.000		759551386800		KNOPF NETZ SILBER	KNOB POWER SILVER
0017.000		759550925300		FEDER KNOPF NETZ	SPRING KNOB POWER
0018.000		759551352700		KNOPF PROG. SILBER	KNOB PROG. SILVER
0019.000		759551281400		FUSS SILBER	FOOT SILVER
0021.000		759551386600		KABEL DISPLAY-LVDS	CABLE DISPLAY-LVDS
0021.000		759551373200		KABEL DISPLAY-LVDS*	CABLE DISPLAY-LVDS*
0021.000		759551386900		KABEL DISPLAY-LVDS**	CABLE DISPLAY-LVDS**
0025.000	△	275991022400	X	LP-CHASSISMODUL LX	CHASSISBOARD LX
0025.000	△	275991020900	X	LP-CHASSISMODUL LX*	CHASSISBOARD LX*
0025.000	△	275991022500	X	LP-CHASSISMODUL LX**	CHASSISBOARD LX**
0027.000		720117139100		FERNBEDIENUNG TP 170C SCHWARZ	REMOTE CONTROL TP 170C BLACK
0030.000		275990224900		LP-IR-MODUL 37DYC998ZV7193-409	IR BOARD 37DYC998ZV7193-409
0030.000		275990224600		LP-BEDIENMODUL 20LXL84 (ZV6191-10)	CONTROLBOARD 20LXL84 (ZV6191-10)
0050.000		275990224500		LP-SIDE-AV MODUL	SIDE_AV BOARD
0070.000	△	275990303100	X	LP-NETZTEILMODUL SMPS 32 LX (TSW)	POWER SUPPLY BOARD 32 LX (TSW)
0090.000		759551236100		POLSTER LINKS	CUSHION LEFT
0091.000		759551236200		POLSTER RECHTS	CUSHION RIGHT
0092.000		759551307100		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100529000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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LP-CHASSISMODUL LX
CHASSISBOARD LX

MATERIAL-NR. / PART NO.: 275991014200

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275991014200		LP-CHASSISMODUL LX	CHASSISBOARD LX

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
D 300	759551098400	DIODE Z9.1V 1.5W	TU 301	759551376100	TUNER PANASONIC ENV57K23G3F
D 301	759551098600	DIODE STPS340U	X 301	759880544700	QUARZ 14.31818 MHZ
D 304	759530510400	DIODE BAV 99	X 302	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC
D 305	759530510400	DIODE BAV 99			
D 315	759530510400	DIODE BAV 99			
D 316	759530510400	DIODE BAV 99			
D 317	759530510400	DIODE BAV 99			
D 320	759530510400	DIODE BAV 99			
D 326	759551168600	DIODE-CHIP BZX384-C8V2 300M			
D 327	759530510400	DIODE BAV 99			
IC 301	759551242700	IC MP1593DN-LF-Z DC-DC			
IC 302	759551050800	IC NCP 1117 DT 33 RK			
IC 304	759551375400	IC-CHIP MC78M05CDTRKG TO25			
IC 305	759551251600	IC-CHIP FAN1587AMX			
IC 306	759550970700	IC CHIP AT24C32AN-10SI-2.7			
IC 308	759551268200	IC-CHIP MAX810STRG SOT23 RE			
IC 309	759551375500	IC-CHIP MST96885TLD-LF LQFP			
IC 310	759551375600	IC-CHIP K4S641632K-UC60 TSO			
IC 312	759551114100	IC M25P40			
IC 313	759551268500	IC-CHIP 74HC4052D SO16			
IC 314	759550969800	IC M24C02-MNST6T			
IC 315	759551322700	IP4776CZ38 (HDMI ESD PROTEC			
IC 316	759551050700	IC 24LC21A-I/SN-CMOS18K/2.5			
IC 317	759551375700	IC-CHIP TDA9886TS/V4 (SSOP			
IC 321	759551375800	IC TB2924FG (AUDIO AMP 2X10			
IC 323	759551375900	IC HPA00156PWR (AUDIO DAC+H			
IC 325	759551376000	IC-CHIP PT2259-S(L)SOP8 I2C			
IC 326	759551201900	TRANS. NDC7002N			
IC 327	759551201900	TRANS. NDC7002N			
L 328	759550541900	SMD SPULE 1UH K0805			
S 314	759551220800	STECKER 10P 2MM 89400-1010			
S 321	759551313000	BUCHSE VGA B10B			
S 327	759550922900	EURO AV BUCHSE			
SAW 301	759550921100	FILTER OFW K9656M			
SAW 302	759550458000	FILTER OFW K3958M			
T 314	759550968600	TRANS FDS9933A			

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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LP-CHASSISMODUL LX
LP-CHASSISBOARD LX

MATERIAL-NR. / PART NO.: 275991014300

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275991014300		LP-CHASSISMODUL LX	CHASSISBOARD LX

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
D 300	759551098400	DIODE Z9.1V 1.5W	D 300	759551050800	IC NCP 1117 DT 33 RK
D 301	759530510400	DIODE BAV 99	IC 304	759551375400	IC-CHIP MC78M05ODTRKG TO25
D 305	759530510400	DIODE BAV 99	IC 305	759551251600	IC-CHIP FAN1587AMX
D 315	759530510400	DIODE BAV 99	IC 306	759550970700	IC CHIP AT24C32AN-10SI-2.7
D 316	759530510400	DIODE BAV 99	IC 308	759551268200	IC-CHIP MAX810STRG SOT23 RE
D 317	759530510400	DIODE BAV 99	IC 309	759551376400	IC-CHIP MST96885TL-LF LQFP2
D 320	759530510400	DIODE BAV 99	IC 310	759551375600	IC-CHIP K4S641632K-UC60 TSO
D 326	759551168600	DIODE-CHIP BZX384-C8V2 300M	IC 312	759551114100	IC M25P40
D 327	759530510400	DIODE BAV 99	IC 316	759551050700	IC 24LC21A-I/SN-CMOS18K/2.5
IC 302	759551050800	IC NCP 1117 DT 33 RK	IC 317	759551375700	IC-CHIP TDA9886TS/V4 (SSOP
IC 304	759551375400	IC-CHIP MC78M05ODTRKG TO25	IC 321	759551375800	IC TB2924FG (AUDIO AMP 2X10
IC 305	759551251600	IC-CHIP FAN1587AMX	IC 323	759551375900	IC HPA00156PWR (AUDIO DAC+H
IC 306	759550970700	IC CHIP AT24C32AN-10SI-2.7	IC 325	759551376000	IC-CHIP PT2259-S(L)SOP8 I2C
IC 308	759551268200	IC-CHIP MAX810STRG SOT23 RE	IC 326	759551201900	TRANS. NDC7002N
IC 309	759551376400	IC-CHIP MST96885TL-LF LQFP2	IC 327	759551201900	TRANS. NDC7002N
IC 310	759551375600	IC-CHIP K4S641632K-UC60 TSO	L 328	759550541900	SMD SPULE 1UH K0805
IC 312	759551114100	IC M25P40	S 321	759551313000	BUCHSE VGA B10B
IC 316	759551050700	IC 24LC21A-I/SN-CMOS18K/2.5	SAW 301	759550921100	FILTER OFW K9656M
IC 317	759551375700	IC-CHIP TDA9886TS/V4 (SSOP	SAW 302	759550458000	FILTER OFW K3958M
IC 321	759551375800	IC TB2924FG (AUDIO AMP 2X10	T 314	759550968600	TRANS FDS9933A
IC 323	759551375900	IC HPA00156PWR (AUDIO DAC+H	T 336	759550973400	TRANS 2N002
IC 325	759551376000	IC-CHIP PT2259-S(L)SOP8 I2C	TU 301	759551376100	TUNER PANASONIC ENV57K23G3F
IC 326	759551201900	TRANS. NDC7002N	X 301	759880544700	QUARZ 14.31818 MHZ
IC 327	759551201900	TRANS. NDC7002N			

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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NUR FÜR INTERNEN GEBRAUCH
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LP-CHASSISMODUL LX
LP-CHASSISBOARD LX

MATERIAL-NR. / PART NO.: 275991019200

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275991019200		LP-CHASSISMODUL LX	CHASSISBOARD LX

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
D 300	759551098400	DIODE Z9.1V 1.5W			
D 304	759530510400	DIODE BAV 99			
D 305	759530510400	DIODE BAV 99			
D 315	759530510400	DIODE BAV 99			
D 316	759530510400	DIODE BAV 99			
D 317	759530510400	DIODE BAV 99			
D 320	759530510400	DIODE BAV 99			
D 326	759551168600	DIODE-CHIP BZX384-C8V2 300M			
D 327	759530510400	DIODE BAV 99			
IC 302	759551050800	IC NCP 1117 DT 33 RK			
IC 304	759551375400	IC-CHIP MC78M05CDTRKG TO25			
IC 305	759551251600	IC-CHIP FAN1587AMX			
IC 306	759550970700	IC CHIP AT24C32AN-10SI-2.7			
IC 308	759551268200	IC-CHIP MAX810STRG SOT23 RE			
IC 309	759551375500	IC-CHIP MST96885TLD-LF LQFP			
IC 310	759551375600	IC-CHIP K4S641632K-UC60 TSO			
IC 312	759551114100	IC M25P40			
IC 316	759551050700	IC 24LC21A-I/SN-CMOS18K/2.5			
IC 317	759551375700	IC-CHIP TDA9886TS/V4 (SSOP			
IC 321	759551375800	IC TB2924FG (AUDIO AMP 2X10			
IC 323	759551375900	IC HPA00156PWR (AUDIO DAC+H			
IC 325	759551376000	IC-CHIP PT2259-S(L)SOP8 I2C			
IC 326	759551201900	TRANS. NDC7002N			
IC 327	759551201900	TRANS. NDC7002N			
L 328	759550541900	SMD SPULE 1UH K0805			
S 321	759551313000	BUCHSE VGA B10B			
SAW 301	759550921100	FILTER OFW K9656M			
SAW 302	759550458000	FILTER OFW K3958M			
T 314	759550968600	TRANS FDS9933A			
T 336	759550973400	TRANS 2N002			
TU 301	759551376100	TUNER PANASONIC ENV57K23G3F			
X 301	759880544700	QUARZ 14.31818 MHZ			
X 302	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC			

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

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LP-CHASSISMODUL LX
CHASSISBOARD LX

MATERIAL-NR. / PART NO.: 275991020900

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275991020900		LP-CHASSISMODUL LX	CHASSISBOARD LX

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
D 300	759551098400	DIODE Z9.1V 1.5W	TU 301	759551392400	TUNER PN ENV57K23G3F LEFTHA
D 301	759551098600	DIODE STPS340U	X 301	759880544700	QUARZ 14.31818 MHZ
D 304	759530510400	DIODE BAV 99	X 302	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC
D 305	759530510400	DIODE BAV 99			
D 315	759530510400	DIODE BAV 99			
D 316	759530510400	DIODE BAV 99			
D 317	759530510400	DIODE BAV 99			
D 320	759530510400	DIODE BAV 99			
D 326	759551168600	DIODE-CHIP BZX384-C8V2 300M			
D 327	759530510400	DIODE BAV 99			
IC 301	759551242700	IC MP1593DN-LF-Z DC-DC			
IC 302	759551050800	IC NCP 1117 DT 33 RK			
IC 304	759551375400	IC-CHIP MC78M05CDTRKG TO25			
IC 305	759551251600	IC-CHIP FAN1587AMX			
IC 306	759551394400	IC-CHIP 24C32CN-SH-T SOIC8			
IC 308	759551268200	IC-CHIP MAX810STRG SOT23 RE			
IC 309	759551375500	IC-CHIP MST96885TLD-LF LQFP			
IC 310	759551375600	IC-CHIP K4S641632K-UC60 TSO			
IC 312	759551114100	IC M25P40			
IC 313	759551268500	IC-CHIP 74HC4052D SO16			
IC 314	759550969800	IC M24C02-MNST6T			
IC 315	759551322700	IP4776CZ38 (HDMI ESD PROTEC			
IC 316	759551050700	IC 24LC21A-I/SN-CMOS18K/2.5			
IC 317	759551375700	IC-CHIP TDA9886TS/V4 (SSOP			
IC 321	759551375800	IC TB2924FG (AUDIO AMP 2X10			
IC 323	759551375900	IC HPA00156PWR (AUDIO DAC+H			
IC 325	759551376000	IC-CHIP PT2259-S(L)SOP8 I2C			
IC 326	759551201900	TRANS. NDC7002N			
IC 327	759551201900	TRANS. NDC7002N			
L 328	759550541900	SMD SPULE 1UH K0805			
S 314	759551220800	STECKER 10P 2MM 89400-1010			
S 321	759551313000	BUCHSE VGA B10B			
S 327	759550922900	EURO AV BUCHSE			
SAW 301	759550921100	FILTER OFW K9656M			
SAW 302	759550458000	FILTER OFW K3958M			
T 314	759550968600	TRANS FDS9933A			

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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LP-CHASSISMODUL LX
CHASSISBOARD LX

MATERIAL-NR. / PART NO.: 275991022400

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275991022400		LP-CHASSISMODUL LX	CHASSISBOARD LX

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
D 300	759551098400	DIODE Z9.1V 1.5W	TU 301	759551392400	TUNER PN ENV57K23G3F LEFTHA
D 301	759551098600	DIODE STPS340U	X 301	759880544700	QUARZ 14.31818 MHZ
D 304	759530510400	DIODE BAV 99	X 302	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC
D 305	759530510400	DIODE BAV 99			
D 315	759530510400	DIODE BAV 99			
D 316	759530510400	DIODE BAV 99			
D 317	759530510400	DIODE BAV 99			
D 320	759530510400	DIODE BAV 99			
D 326	759551168600	DIODE-CHIP BZX384-C8V2 300M			
D 327	759530510400	DIODE BAV 99			
IC 301	759551242700	IC MP1593DN-LF-Z DC-DC			
IC 304	759551375400	IC-CHIP MC78M05CDTRKG TO25			
IC 305	759551251600	IC-CHIP FAN1587AMX			
IC 306	759551394400	IC-CHIP 24C32CN-SH-T SOIC8			
IC 308	759551268200	IC-CHIP MAX810STRG SOT23 RE			
IC 309	759551375500	IC-CHIP MST96885TLD-LF LQFP			
IC 310	759551375600	IC-CHIP K4S641632K-UC60 TSO			
IC 312	759551114100	IC M25P40			
IC 313	759551268500	IC-CHIP 74HC4052D SO16			
IC 314	759550969800	IC M24C02-MNST6T			
IC 315	759551322700	IP4776CZ38 (HDMI ESD PROTEC			
IC 316	759551050700	IC 24LC21A-I/SN-CMOS18K/2.5			
IC 317	759551375700	IC-CHIP TDA9886TS/V4 (SSOP			
IC 321	759551394600	IC-CHIP TB2924AFG HSOP36(AU			
IC 323	759551375900	IC HPA00156PWR (AUDIO DAC+H			
IC 325	759551376000	IC-CHIP PT2259-S(L)SOP8 I2C			
IC 326	759551201900	TRANS. NDC7002N			
IC 327	759551201900	TRANS. NDC7002N			
L 328	759550541900	SMD SPULE 1UH K0805			
S 314	759551220800	STECKER 10P 2MM 89400-1010			
S 321	759551313000	BUCHSE VGA B10B			
S 327	759550922900	EURO AV BUCHSE			
SAW 301	759550921100	FILTER OFW K9656M			
SAW 302	759550458000	FILTER OFW K3958M			
T 314	759550968600	TRANS FDS9933A			

Ersatzteilliste
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LP-CHASSISMODUL LX
CHASSISBOARD LX

MATERIAL-NR. / PART NO.: 275991022500

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275991022500		LP-CHASSISMODUL LX	CHASSISBOARD LX

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
D 300	759551098400	DIODE Z9.1V 1.5W	TU 301	759551392400	TUNER PN ENV57K23G3F LEFTHA
D 301	759530510400	DIODE BAV 99	X 301	759880544700	QUARZ 14.31818 MHZ
D 305	759530510400	DIODE BAV 99	X 302	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC
D 315	759530510400	DIODE BAV 99			
D 316	759530510400	DIODE BAV 99			
D 317	759530510400	DIODE BAV 99			
D 320	759530510400	DIODE BAV 99			
D 326	759551168600	DIODE-CHIP BZX384-C8V2 300M			
D 327	759530510400	DIODE BAV 99			
IC 301	759551242700	IC MP1593DN-LF-Z DC-DC			
IC 302	759551050800	IC NCP 1117 DT 33 RK			
IC 304	759551375400	IC-CHIP MC78M05CDTRKG TO25			
IC 305	759551251600	IC-CHIP FAN1587AMX			
IC 306	759551394400	IC-CHIP 24C32CN-SH-T SOIC8			
IC 308	759551268200	IC-CHIP MAX810STRG SOT23 RE			
IC 309	759551375500	IC-CHIP MST96885TLD-LF LQFP			
IC 310	759551375600	IC-CHIP K4S641632K-UC60 TSO			
IC 312	759551114100	IC M25P40			
IC 313	759551268500	IC-CHIP 74HC4052D SO16			
IC 314	759550969800	IC M24C02-MNST6T			
IC 315	759551322700	IP4776CZ38 (HDMI ESD PROTEC			
IC 316	759551050700	IC 24LC21A-I/SN-CMOS18K/2.5			
IC 317	759551375700	IC-CHIP TDA9886TS/V4 (SSOP			
IC 321	759551394600	IC-CHIP TB2924AFG HSOP36(AU			
IC 323	759551375900	IC HPA00156PWR (AUDIO DAC+H			
IC 325	759551376000	IC-CHIP PT2259-S(L)SOP8 I2C			
IC 326	759551201900	TRANS. NDC7002N			
IC 327	759551201900	TRANS. NDC7002N			
L 328	759550541900	SMD SPULE 1UH K0805			
S 314	759551220800	STECKER 10P 2MM 89400-1010			
S 321	759551313000	BUCHSE VGA B10B			
S 327	759550922900	EURO AV BUCHSE			
SAW 301	759550921100	FILTER OFW K9656M			
SAW 302	759550458000	FILTER OFW K3958M			
T 314	759550968600	TRANS FDS9933A			

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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LP-CHASSISMODUL LX
CHASSISBOARD LX

MATERIAL-NR. / PART NO.: 275991023600

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275991023600		LP-CHASSISMODUL LX	CHASSISBOARD LX

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
D 300	759551098400	DIODE Z9.1V 1.5W	TU 301	759551392400	TUNER PN ENV57K23G3F LEFTHA
D 301	759551098600	DIODE STPS340U	X 301	759880544700	QUARZ 14.31818 MHZ
D 304	759530510400	DIODE BAV 99	X 302	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC
D 305	759530510400	DIODE BAV 99			
D 315	759530510400	DIODE BAV 99			
D 316	759530510400	DIODE BAV 99			
D 317	759530510400	DIODE BAV 99			
D 320	759530510400	DIODE BAV 99			
D 326	759551168600	DIODE-CHIP BZX384-C8V2 300M			
D 327	759530510400	DIODE BAV 99			
IC 301	759551242700	IC MP1593DN-LF-Z DC-DC			
IC 302	759551050800	IC NCP 1117 DT 33 RK			
IC 304	759551375400	IC-CHIP MC78M05CDTRKG TO25			
IC 305	759551251600	IC-CHIP FAN1587AMX			
IC 306	759551394400	IC-CHIP 24C32CN-SH-T SOIC8			
IC 308	759551268200	IC-CHIP MAX810STRG SOT23 RE			
IC 309	759551375500	IC-CHIP MST96885TLD-LF LQFP			
IC 310	759551375600	IC-CHIP K4S641632K-UC60 TSO			
IC 312	759551114100	IC M25P40			
IC 313	759551268500	IC-CHIP 74HC4052D SO16			
IC 314	759550969800	IC M24C02-MNST6T			
IC 315	759551322700	IP4776CZ38 (HDMI ESD PROTEC			
IC 316	759551050700	IC 24LC21A-I/SN-CMOS18K/2.5			
IC 317	759551375700	IC-CHIP TDA9886TS/V4 (SSOP			
IC 321	759551394600	IC-CHIP TB2924AFG HSOP36(AU			
IC 323	759551375900	IC HPA00156PWR (AUDIO DAC+H			
IC 325	759551376000	IC-CHIP PT2259-S(L)SOP8 I2C			
IC 326	759551201900	TRANS. NDC7002N			
IC 327	759551201900	TRANS. NDC7002N			
L 328	759550541900	SMD SPULE 1UH K0805			
S 314	759551220800	STECKER 10P 2MM 89400-1010			
S 321	759551313000	BUCHSE VGA B10B			
S 327	759550922900	EURO AV BUCHSE			
SAW 301	759550921100	FILTER OFW K9656M			
SAW 302	759550458000	FILTER OFW K3958M			
T 314	759550968600	TRANS FDS9933A			

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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LP-CHASSISMODUL LX
CHASSISBOARD LX

MATERIAL-NR. / PART NO.: 275991024600

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275991024600		LP-CHASSISMODUL LX	CHASSISBOARD LX

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
D 300	759551098400	DIODE Z9.1V 1.5W	TU 301	759551392400	TUNER PN ENV57K23G3F LEFTHA
D 301	759551098600	DIODE STPS340U	X 301	759880544700	QUARZ 14.31818 MHZ
D 304	759530510400	DIODE BAV 99	X 302	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC
D 305	759530510400	DIODE BAV 99			
D 315	759530510400	DIODE BAV 99			
D 316	759530510400	DIODE BAV 99			
D 317	759530510400	DIODE BAV 99			
D 320	759530510400	DIODE BAV 99			
D 326	759551168600	DIODE-CHIP BZX384-C8V2 300M			
D 327	759530510400	DIODE BAV 99			
IC 301	759551242700	IC MP1593DN-LF-Z DC-DC			
IC 302	759551050800	IC NCP 1117 DT 33 RK			
IC 304	759551375400	IC-CHIP MC78M05CDTRKG TO25			
IC 305	759551251600	IC-CHIP FAN1587AMX			
IC 306	759551394400	IC-CHIP 24C32CN-SH-T SOIC8			
IC 308	759551268200	IC-CHIP MAX810STRG SOT23 RE			
IC 309	759551392500	IC MST96885ATLD-LF			
IC 310	759551375600	IC-CHIP K4S641632K-UC60 TSO			
IC 312	759551114100	IC M25P40			
IC 313	759551268500	IC-CHIP 74HC4052D SO16			
IC 314	759550969800	IC M24C02-MNST6T			
IC 315	759551322700	IP4776CZ38 (HDMI ESD PROTEC			
IC 316	759551050700	IC 24LC21A-I/SN-CMOS18K/2.5			
IC 317	759551375700	IC-CHIP TDA9886TS/V4 (SSOP			
IC 321	759551375800	IC TB2924AFG (AUDIO AMP 2X10			
IC 323	759551375900	IC HPA00156PWR (AUDIO DAC+H			
IC 326	759551201900	TRANS. NDC7002N			
IC 327	759551201900	TRANS. NDC7002N			
L 328	759550541900	SMD SPULE 1UH K0805			
S 303	759551313100	VERBINDER 12 POL.			
S 314	759551220800	STECKER 10P 2MM 89400-1010			
S 321	759551313000	BUCHSE VGA B10B			
SAW 301	759550921100	FILTER OFW K9656M			
SAW 302	759550458000	FILTER OFW K3958M			
T 314	759550968600	TRANS FDS9933A			

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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LP-NETZTEILMODUL SMPS 32 LX (TSW)
POWER SUPPLY BOARD 32 LX (TSW)

MATERIAL-NR. / PART NO.: 275990303100

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275990303100		LP-NETZTEILMODUL SMPS 32 LX (TSW)	POWER SUPPLY BOARD 32 LX (TSW)

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
C 900	△ 759551338200	470 NF K 305V-AC R:15 KONDE			
C 905	△ 759551338200	470 NF K 305V-AC R:15 KONDE			
C 906	△ 759551338300	1 NF M 250VAC Y5U R:10 KOND			
C 907	△ 759551338300	1 NF M 250VAC Y5U R:10 KOND			
C 946	△ 759550965300	KONDENS 220PF M 250VAC R:10			
C 954	△ 759880450800	KONDENS. 2.2NF 20% 250V			
C 955	△ 759880450800	KONDENS. 2.2NF 20% 250V			
FS 900	△ 759550935300	SICHERUNG T5 A / 250 V			
IC 900	759551153100	IC ICE1QS01			
IC 901	759551153100	IC ICE1QS01			
IC 902	830544043100	IC TL431CLPRP MOT AV330 ER-			
IC 903	830544043100	IC TL431CLPRP MOT AV330 ER-			
L 900	△ 759551309000	2X28MH 3A LINE FILTER			
L 907	△ 759550922500	COIL 40MH DTH30403H57			
PH 900	△ 759550963200	OPTOKOPPLER TCET 1100/V310			
PH 901	△ 759550963200	OPTOKOPPLER TCET 1100/V310			
R 900	△ 759550932300	ESTR. S14K385			
R 901	△ 759551353500	WIDERST. RM 480K 5W 52MM			
R 923	△ 759550452600	WIDERST 4,7MOHM1/2W			
T 900	759551353800	TRANS. SPP11N60C3 0.38R 600			
T 901	759551089900	TRANS 2SK3562 TO220FP			
T 902	830100484800	SMD TRANS BC848B/ BC847B P			
T 903	830100484800	SMD TRANS BC848B/ BC847B P			
T 904	830100484800	SMD TRANS BC848B/ BC847B P			
U 900	△ 759551376300	TRAFO SMT JEWEL CODE BCK-32			
U 901	△ 759551353600	TRAFO SMT PULSE CODE 2722.9			
ZD 900	759551244700	Z-DIODE 1N4746 18V			
ZD 902	759551168600	DIODE-CHIP BZX384-C8V2 300M			
ZD 903	759551244700	Z-DIODE 1N4746 18V			

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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LP-NETZTEILMODUL LX 24/6 12/4 (ACT.PFC)
POWER SUPPLY BOARD LX 24/6 12/4 (ACT.PFC)

MATERIAL-NR. / PART NO.: 275990303600

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		△ 275990303600		LP-NETZTEILMODUL LX 24/6 12/4 (ACT.PFC)	POWER SUPPLY BOARD LX 24/6 12/4 (ACT.PFC)

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
C 2000	△ 759550965300	KONDENS 220PF M 250VAC R:10	PH 2000	△ 759550963200	OPTOKOPPLER TCET 1100/V310
C 2001	△ 759880450800	KONDENS. 2.2NF 20% 250V	PH 2001	△ 759550963200	OPTOKOPPLER TCET 1100/V310
C 2002	△ 759551394900	CC 220PF K 2KV Y5P R:5			
C 2003	△ 759551338200	470 NF K 305V-AC R:15 KONDE			
C 2004	△ 759551338200	470 NF K 305V-AC R:15 KONDE	R 2008	△ 759550452600	WIDERST 4,7MOHM1/2W
C 2005	△ 759551338200	470 NF K 305V-AC R:15 KONDE	R 2080	△ 759551396200	RM 470K J 1/2W 52MM
C 2006	△ 759551394900	CC 220PF K 2KV Y5P R:5			
C 2009	△ 759550965300	KONDENS 220PF M 250VAC R:10	T 2000	759551253700	TRANS. 2SK3568 500V 0.4 OHM
C 2010	△ 759880450800	KONDENS. 2.2NF 20% 250V	T 2001	759551396300	TRANS STP9NK70ZFP 700V 1R 7
C 2014	△ 759551338300	1 NF M 250VAC Y5U R:10 KOND	T 2002	759551396400	TRN SPA08N80C3 800V 0.65R 8
			T 2003	759551098700	TRANS BC848BLT1G
D 2000	830953414900	MELF-DIODE LL 4148 TFK/ITT	T 2004	759551098700	TRANS BC848BLT1G
D 2001	759551395000	DIODE 1N5406 600V 3A DO-201	T 2005	759551396500	TRANS MMBT2222ALT1 SO-G3/C2
D 2002	830953414900	MELF-DIODE LL 4148 TFK/ITT	T 2006	759551396500	TRANS MMBT2222ALT1 SO-G3/C2
D 2003	759551395100	DIODE MUR460 4A 600V ULTRAF			
D 2004	830953414900	MELF-DIODE LL 4148 TFK/ITT	U 2000	△ 759551396600	TRAFO SMT BCK32050 LX 12V
D 2005	830953414900	MELF-DIODE LL 4148 TFK/ITT	U 2001	△ 759551396700	TRAFO SMT BCK32048 LX 24V 3
D 2006	830953414900	MELF-DIODE LL 4148 TFK/ITT			
D 2007	830953414900	MELF-DIODE LL 4148 TFK/ITT	VR 2001	759551396800	ESTR. EPCOS S14K320
D 2008	759551395200	DIODE UF208G 2A 800V DO-15			
D 2009	759551395300	DIODE UF4007F R:12.5	ZD 2000	759551098500	DIODE 18 V 5 W
D 2010	759551395400	DIODE MBRF20200CT SCHT.20A	ZD 2001	759551098500	DIODE 18 V 5 W
D 2011	759551395500	DIODE MBRF20100CT SCHT.20A	ZD 2002	759551098500	DIODE 18 V 5 W
D 2013	830953414900	MELF-DIODE LL 4148 TFK/ITT	ZD 2005	759551309400	BZX55C3V3 Z-DIODE
D 2014	830953414900	MELF-DIODE LL 4148 TFK/ITT	ZD 2006	759551309400	BZX55C3V3 Z-DIODE
			ZD 2007	759551309400	BZX55C3V3 Z-DIODE
DB 2000	759551257100	BRUECKENDIODE 6A 600V KBU6J			
FS 2000	△ 759550921800	SICHERUNGSHALTER			
IC 2000	759551395600	IC-CHIP NCP1606ADR2G SOIC-8			
IC 2001	759551395700	IC NCP1207ADR2G SOIC-8			
IC 2002	759551395700	IC NCP1207ADR2G SOIC-8			
IC 2003	830544043100	IC TL431CLPRP MOT AV330 ER-			
IC 2004	830544043100	IC TL431CLPRP MOT AV330 ER-			
L 2000	△ 759551395800	SPULE ACT.PFC 200UH 200W J			
L 2001	△ 759551396000	LINE FILTER 2X18MH 1.3A			
L 2002	△ 759551396000	LINE FILTER 2X18MH 1.3A			
L 2003	759551395900	SPULE 4.7UH 3A RADIAL R:10			
L 2004	759551395900	SPULE 4.7UH 3A RADIAL R:10			
L 2005	△ 759551396100	LINE FILTER DM LX 740UH 30%			

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION