

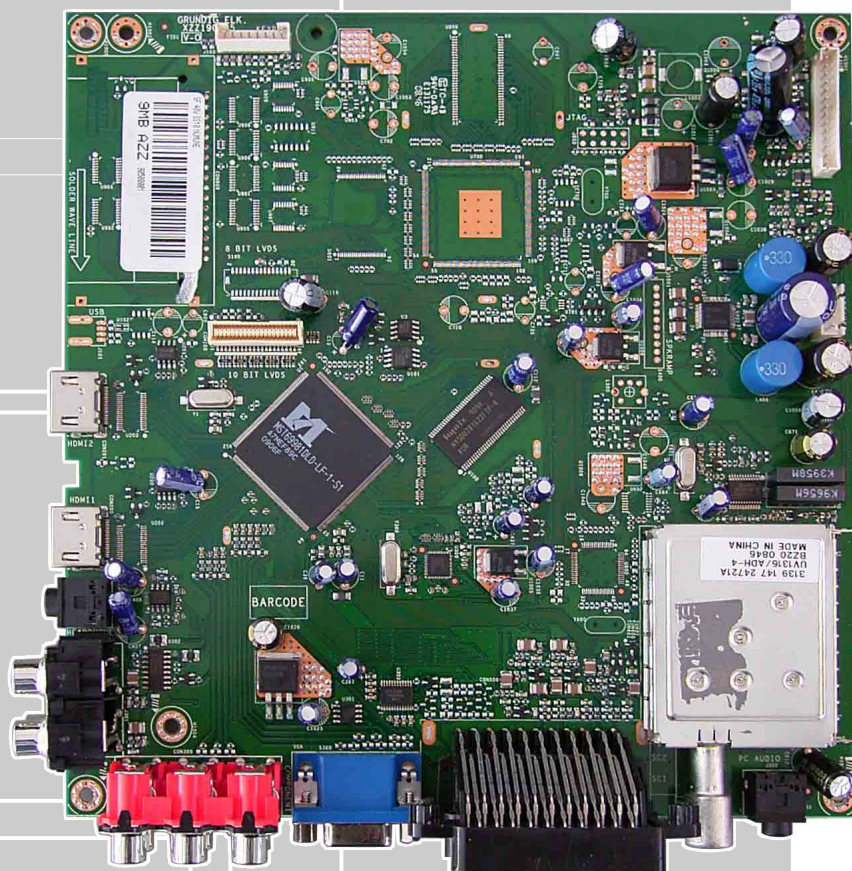
## Chassis SF

**37 GLX 6950**

GBH8937

**Vision 4  
40-4950**

GBH7040



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 720100549000

Änderungen vorbehalten / Subject to alteration

TCC 1110 HH • 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, ist die Leitungsverlegung zu den einzelnen Baugruppen zu beachten. 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 1-13) eingestellt werden.

## 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 1-13).

### Hotel-Mode

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

Aufruf: i → 8500 → ∨ "OPTION 1" → - + → ∨ "HOTEL" → - + "AVAIL".

Maximale Lautstärke: i → 8500 → ∨ "OPTION 1" → - + → ∨ "HOTEL VOLUME" → - + Wert 0...100.

### 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

### Hotel Mode

Maximum volume is limited and there is no access to "Program table" and "Channel setup" at activated hotel mode.

Call up: i → 8500 → ∨ "OPTION 1" → - + → ∨ "HOTEL" → - + "AVAIL".

Maximum volume: i → 8500 → ∨ "OPTION 1" → - + → ∨ "HOTEL VOLUME" → - + Wert 0...100.

### 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 "Program table" and "Channel setup" until the set is switched off (standby).

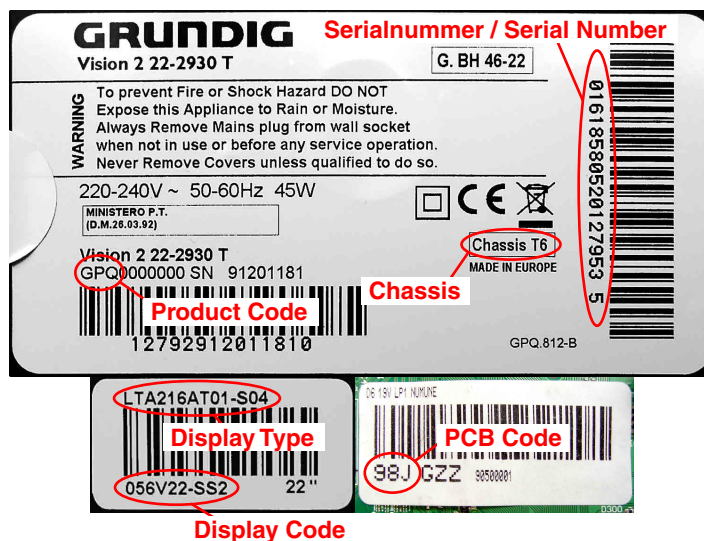
Call up: i → Sound © (OK) → 4658

## Geräte- und Display-Varianten

### 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 Platinen-Tausch, ob die Aufkleber der Platinen identisch sind (z.B. PCB Code).

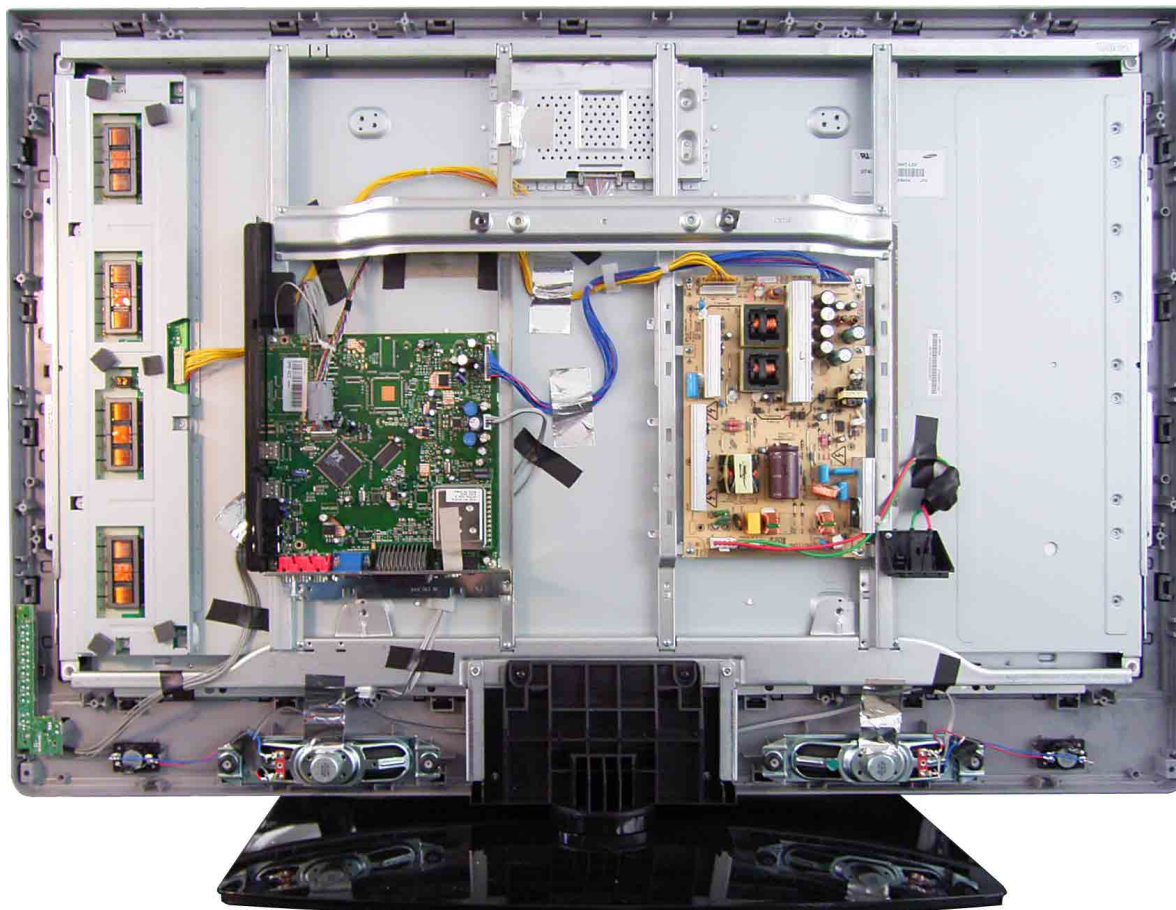


## Product and Display Variants

### 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 any board please check whether the labels on the boards are identical (eg. PCB Code).



## Technische Daten / Technical Data

|                                             | Vision 4 40-4950                                                                 | 37 GLX 6950                                                                                                 |
|---------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Order No.                                   | GBH7040                                                                          | GBH8937                                                                                                     |
| Destination                                 | D, A                                                                             | D, A                                                                                                        |
| Approbations                                | CE                                                                               | CE                                                                                                          |
| IM-Languages                                | D,GB                                                                             | D,GB                                                                                                        |
| Remote control                              | TP 2                                                                             | TP 2                                                                                                        |
| EAN                                         | 40 13833-61941 3                                                                 | 40 13833-62033 4                                                                                            |
| Color                                       | glossy black                                                                     | glossy black/silver                                                                                         |
| <b>DISPLAY</b>                              |                                                                                  |                                                                                                             |
| Panel                                       | 40" / 102cm                                                                      | 37" / 94cm                                                                                                  |
| Wide-screen format                          | ●                                                                                | ●                                                                                                           |
| Response time                               | 8ms                                                                              | 6ms                                                                                                         |
| Brightness                                  | 500cd2                                                                           | 500cd2                                                                                                      |
| Contrast ratio (Panel)                      | 2.000:1                                                                          | 1.500:1                                                                                                     |
| Dynamic contrast plus                       | 10.000:1                                                                         | 10.000:1                                                                                                    |
| Viewing angle vertical/horizontal, ca. °    | 178 vertical / 178 horizontal                                                    | 176 vertical / 176 horizontal                                                                               |
| Physical display resolution max. pixel      | WUXGA 1920 x 1080 (full HD)                                                      | WUXGA 1920 x 1080 (full HD)                                                                                 |
| <b>PICTURE</b>                              |                                                                                  |                                                                                                             |
| Motion Picture Improvement                  | ○                                                                                | ○                                                                                                           |
| Motion Adaptive Deinterlacing               | 3D DeInterlacer                                                                  | 3D DeInterlacer                                                                                             |
| Natural view HD Reference                   | ○                                                                                | ○                                                                                                           |
| Full HD                                     | ●                                                                                | ●                                                                                                           |
| 24p                                         | ○                                                                                | ○                                                                                                           |
| HD ready 1080p                              | ●                                                                                | ●                                                                                                           |
| Line Flicker Reduction                      | ●                                                                                | ●                                                                                                           |
| Digital Color Transition Improv. (DCTI)     | ●                                                                                | ●                                                                                                           |
| Digital Combfilter                          | ●                                                                                | ●                                                                                                           |
| Digital Luminance Transition Improv. (DLTI) | ●                                                                                | ●                                                                                                           |
| Picture Noise Reduction                     | ●                                                                                | ●                                                                                                           |
| Preset picture modes                        | user, natural, rich, soft                                                        | user, natural, rich, soft                                                                                   |
| Aspect ratios (Format switching)            | Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Cinema Zoom / Sky Top                 | Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Cinema Zoom / Sky Top                                            |
| Blackline detection                         | ○                                                                                | ○                                                                                                           |
| PIP                                         | 1Tuner PIP (AV-PIP)                                                              | 1Tuner PIP (AV-PIP)                                                                                         |
| Multifold Tuner scan (Mosaic Picture)       | ○                                                                                | ○                                                                                                           |
| PAT: Split screen (PICTURE + TEXT)          | ●                                                                                | ●                                                                                                           |
| PAP: Double Window (PICTURE + PICTURE)      | via AV                                                                           | via AV                                                                                                      |
| P²AT: Double Window + TXT                   | ○                                                                                | ○                                                                                                           |
| POP: PICTURE on PICTURE                     | ○                                                                                | ○                                                                                                           |
| Picture freezing                            | ●                                                                                | ●                                                                                                           |
| Zoom with point function                    | ○                                                                                | ○                                                                                                           |
| Auto 16:9 selection via Scart               | ●                                                                                | ●                                                                                                           |
| Sharpness control                           | ●                                                                                | ●                                                                                                           |
| Blue Background                             | ○                                                                                | ○                                                                                                           |
| <b>CHASSIS</b>                              |                                                                                  |                                                                                                             |
| TV-Chassis                                  | SF                                                                               | SF                                                                                                          |
| Progressive                                 | ○                                                                                | ○                                                                                                           |
| Tuner                                       | PLL frequency synthesizer tuning                                                 | PLL frequency synthesizer tuning                                                                            |
| Scaler                                      | Sapphire1+                                                                       | Sapphire1+                                                                                                  |
| Keyboard                                    | 6 keys: menue, ± for programme, ± for volume, source                             | 6 keys: menue, ± for programme, ± for volume, source                                                        |
| <b>ELECTRONIC</b>                           |                                                                                  |                                                                                                             |
| 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                | ○                                                                                | ○                                                                                                           |
| Programme memory TV/AV (opt.)               | 100 / 6                                                                          | 100 / AV                                                                                                    |
| Teletext/Fasttext/Toptext                   | ● / ● / ○                                                                        | ● / ● / ○                                                                                                   |
| Teletext options                            | 250 pages                                                                        | 250 pages                                                                                                   |
| Childlock                                   | ●                                                                                | ●                                                                                                           |
| Menue languages OSD                         | min. 17 Languages:<br>D, GB, F,I,E,NL,TR,DK,FIN,N,S,SI,PL,H,HR,CZ,SK             | 26 Languages: D, GB,<br>F,I,E,P,NL,GR,TR,DK,FIN,N,S,SI,PL,H,RUS,RO,HR,CZ,SK,AL,BG,MK,SER,HEB<br>(Version A) |
| OSD-style                                   | OEM-style                                                                        | OEM-style                                                                                                   |
| Service mode                                | ●                                                                                | ●                                                                                                           |
| Game mode                                   | presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode | presets (user changeable) for sound and picture in HDMI-, Component- and PC-mode                            |
| Hotel mode                                  | ○                                                                                | ○                                                                                                           |
| <b>TUNING</b>                               |                                                                                  |                                                                                                             |
| 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                  | ○                                                                                | ○                                                                                                           |
| PAL/SECAM/BG/DK/I/L/L                       | ●                                                                                | ●                                                                                                           |
| NTSC-Playback via Scart (3,58/4,43)         | ●                                                                                | ●                                                                                                           |
| Cable TV / Hyperband (S1-S41)               | ●                                                                                | ●                                                                                                           |

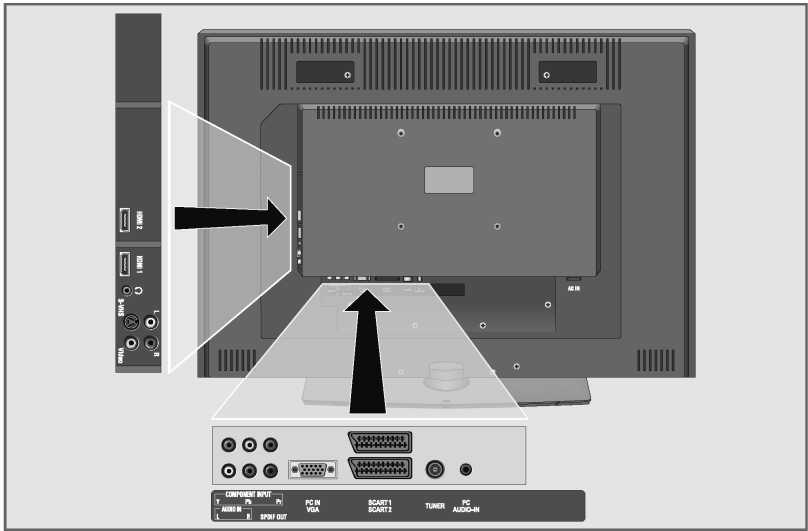


|                                       | Vision 4 40-4950                                              | 37 GLX 6950                                                |
|---------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|
| <b>AUDIO</b>                          |                                                               |                                                            |
| Mono/Stereo/Nicam                     | ● / ● / ●                                                     | ● / ● / ●                                                  |
| AV Stereo                             | ●                                                             | ●                                                          |
| Loudspeaker                           | 2 wide band and 2 tweeter at the front side                   | 2 wide band and 2 tweeter at the front side                |
| SRS                                   | ●                                                             | ●                                                          |
| Virtual Dolby                         | ○                                                             | ○                                                          |
| Magic Fidelity Sound System           | ○                                                             | ○                                                          |
| Sound Projector                       | ○                                                             | ○                                                          |
| 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 10/20W nominal/music power (R/L)                          | 2 x 10/20W nominal/music power (R/L)                       |
| DVB-S                                 | ○                                                             | ○                                                          |
| Italy-Homologation                    | ○                                                             | ○                                                          |
| <b>FRONT PANEL CONNECTIONS</b>        |                                                               |                                                            |
| HDMI                                  | ○                                                             | ○                                                          |
| Headphones                            | ○                                                             | ○                                                          |
| Cinch-AV socket                       | ○                                                             | ○                                                          |
| S-Video                               | ○                                                             | ○                                                          |
| <b>POWER SUPPLY / CABINET</b>         |                                                               |                                                            |
| Power voltage                         | 230V, 50Hz                                                    | 230V, 50Hz                                                 |
| Integrated supply                     | ●                                                             | ●                                                          |
| Power switch                          | Tact switch                                                   | Tact switch                                                |
| Power consumption                     | 210W, standby <2,5W in accordance to IEC 62087-2002           | 180W, standby <1W in accordance to IEC 62087-2002          |
| Cabinet (WxHxD, cm) / Weight          | 104,3x69,5x11,4cm / 104,3x73,7x31,6cm with stand / ca. 21,6kg | 93,0x62,5x11,5cm / 93,0x67,1x25,1cm with stand / ca.18,5kg |
| <b>REAR PANEL CONNECTIONS</b>         |                                                               |                                                            |
| Euro-AV-Socket AV1                    | CVBS in-/output, Audio in-/output                             | CVBS in-/output, Audio in-/output                          |
| Euro-AV Socket AV2                    | CVBS in-/output, Audio in-/output                             | CVBS in-/output, Audio in-/output                          |
| Euro-AV Socket AV3                    | ○                                                             | ○                                                          |
| S-Video                               | Hosiden                                                       | Hosiden                                                    |
| Camera-AV                             | 3x Cinch socket in                                            | 3x Cinch socket in                                         |
| Wireless                              | ○                                                             | ○                                                          |
| 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                           | ●                                                             | ●                                                          |
| DVI                                   | ○                                                             | ○                                                          |
| HDMI                                  | 2x                                                            | 2x                                                         |
| HD ready including HDCP               | via HDMI                                                      | via HDMI                                                   |
| Common Interface                      | ○                                                             | ○                                                          |
| Headphones                            | 3.5mm jack                                                    | 3.5mm jack                                                 |
| Digital Audio out coaxial (SPDIF)     | ●                                                             | ●                                                          |
| Video out                             | ○                                                             | ○                                                          |
| Audio out                             | ○                                                             | ○                                                          |
| USB                                   | ○                                                             | ○                                                          |
| 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                          | ○                                                             | ○                                                          |
| Power supply plug                     | ●                                                             | ●                                                          |
| <b>SUPPLIED ACCESSORIES</b>           |                                                               |                                                            |
| Remote control (incl. battery)        | TP 2                                                          | TP 2                                                       |
| Power cord                            | grounded                                                      | grounded                                                   |
| Cables                                | ○                                                             | ○                                                          |
| Instruction manual                    | ●                                                             | ●                                                          |
| Circuit diagram                       | ○                                                             | ○                                                          |
| Wall fixture                          | Prepared for VESA standard adaptor 200 x 200                  | Prepared for VESA standard adaptor 200 x 200               |
| Warning sticker in rear panel         | ○                                                             | ○                                                          |
| Stand                                 | ●                                                             | ●                                                          |
| Warranty info                         | ●                                                             | ●                                                          |
| Cleaning tissue                       | ○                                                             | ●                                                          |

Dieses Kapitel enthält Auszüge aus der Bedienungsanleitung.  
Weitergehende Informationen entnehmen Sie bitte der gerätespezifischen Bedienungsanleitung, die Sie unter [www.grundig.de](http://www.grundig.de) herunterladen können.

AUF EINEN BLICK

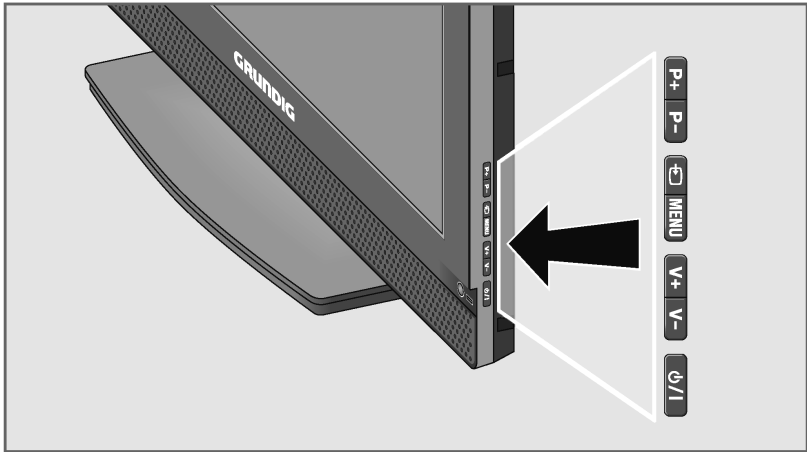
Die Anschlüsse des Fernsehgerätes



- HDMI2** HDMI-Buchse, Ton-/Bildsignal-Eingang (HDMI).
- HDMI1** HDMI-Buchse, Ton-/Bildsignal-Eingang (HDMI).
- Kopfhöreranschluss** (3,5 mm ø Klinke).
- S-VHS** Bildsignal-Eingang für S-Video-Camarecorder.
- Video** Bildsignal-Eingang für Camarecorder.
- L R** Tonsignal-Eingang für Camarecorder.
- COMPONENT INPUT**
  - Y Pb Pr** Bildsignal-Eingang (YUV-Signal).
  - AUDIO IN L R** Tonsignal-Eingang (YUV-Signal).
- SPDIF OUT** Tonsignal-Ausgang (coaxial) für PCM-Signale; zum Anschließen eines digitalen Mehrkanal-Audio-/Videoverstärkers oder AV-Receivers.
- PC IN VGA** VGA-Buchse, Bildsignal-Eingang für PC.
- SCART 1** Euro/AV-Buchse (FBAS-Signal, RGB-Signal).
- SCART 2** Euro/AV-Buchse (FBAS-Signal, Y/C-Signal).
- TUNER** Antennenbuchse.
- PC AUDIO-IN** Tonsignal-Eingang für PC.
- AC IN** Buchse für das Netzkabel.

AUF EINEN BLICK

Die Bedienelemente des Fernsehgerätes



- P+/I** Schaltet das Fernsehgerät ein und wieder in Bereitschaft (Stand-by).  
Nur durch Ziehen des Netzsteckers wird das Fernsehgerät vom Stromnetz getrennt.
- V- V+** Verändern die Lautstärke;  
wählen Funktion im Menü.
- MENU** Ruft das Menü »INFO« auf;  
Menüzeile mit »P+« oder »P-« anwählen;  
Funktion mit »V+« oder »V-« aktivieren;  
Funktion mit »V+« oder »V-« einstellen;  
Menü mit »MENU« abschalten.
- P- P+** Ruft die Vorauswahl für AV-Programmplätze auf.  
Anwahl im Menü mit »P+« oder »P-«, bestätigen mit »V+« oder »V-«.
- P- P+** Schalten das Fernsehgerät aus Stand-by ein;  
schrittweise Programmwahl;  
wählen Funktion im Menü.

## AUF EINEN BLICK

### Die Fernbedienung

-  Schaltet das Fernsehgerät ab (Stand-by).
- 1 ... 0** Schalten das Fernsehgerät aus Stand-by ein; wählen Programme direkt.
- AV** Ruft die Vorauswahl für AV-Programmplätze auf. Danach Auswahl mit »▲« oder »▼«.
- ?** Blendet Nummer und Namen des Programmes ein; Antwortfreigabe im Videotext-Betrieb.
- PIP** Blendet ein Kleinbild ein; aktiviert die Double Window-Funktion; schaltet zurück zum Normalbild.
-  Schaltet das Bildformat um; schaltet auf doppelte Zeichengröße im Videotext-Betrieb.
-  Ton ein/aus (stummschalten).
- i** Ruft das Menü »INFO« auf.
- Z** Zapp-Funktion; Seitenstopp im Videotext-Betrieb.
- ▲ ▼** Schalten das Fernsehgerät aus Stand-by ein; wählen Programme schrittweise; bewegen Cursor nach oben/unten.
-  **(OK)** Ruft die Programmliste auf; aktiviert verschiedene Funktionen.
- +** Ändern die Lautstärke; bewegen Cursor nach links/rechts.
- TXT** Schaltet zwischen Videotext-Betrieb und TV-Betrieb um.
- TV-G** Taste ohne Funktion.
-  Wählt verschiedenen Bildeinstellungen; blättert im Videotext-Betrieb eine Seite zurück.
-  Blendet die Uhrzeit ein; wählt im Videotext-Betrieb eine Seite.
-  Standbild; wählt gewünschtes Kapitel im Videotext-Betrieb.
-  Wählt verschiedenen Toneinstellungen; wählt gewünschtes Thema im Videotext-Betrieb.



## AUF EINEN BLICK

### SCAN

### PAT

### S

### P

### M

Vergrößert das Bild.

Wählt die Funktion Split Screen.

Wählt Unterseiten im Videotext-Betrieb.

Aktualisiert eine Seite im Videotext-Betrieb.

Schaltet auf die Bedienung eines GRUNDIG Digital-Receivers, GRUNDIG Digital-Receivers mit Festplatte (PDR), GRUNDIG DVD-Players, GRUNDIG DVD-Recorders oder GRUNDIG AV-Receivers.

»M« so oft drücken, bis die entsprechende Anzeige »DR«, »DVD« oder »AMP« leuchtet. Anschließend gewünschte Taste drücken.

Wird für ca. 10 Sekunden keine Taste gedrückt, schaltet die Fernbedienung wieder auf Fernsehbetrieb (»TV«).

### Hinweis:

»DR« ist für die Bedienung eines GRUNDIG Digital-Receivers (Fernbedienebene 1) vorprogrammiert.

»DVD« ist für die Bedienung eines GRUNDIG DVD-Players vorprogrammiert.

»AMP« ist für die Bedienung eines GRUNDIG AV-Receivers vorprogrammiert.

Welche Funktionen Sie ausführen können, hängt von der Ausstattung des Gerätes ab.

Probieren Sie es einfach aus.

Die Vorprogrammierung können Sie verändern:

»M« 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 »▲«, »▼« oder »1...0« wählen.
- 2 »INFO« aufrufen, dazu »i« drücken.
- 3 Zeile »SONDERFUNKTIONEN« mit »▲« oder »▼« anwählen und mit »●« bestätigen.
- 4 Zeile »Kindersperre« mit »▲« oder »▼« anwählen.
- 5 Kindersperre mit »-« oder »+« aktivieren (Ein).
- 6 Einstellung mit »i« beenden.  
- Der gewählte Programmplatz ist gesperrt.



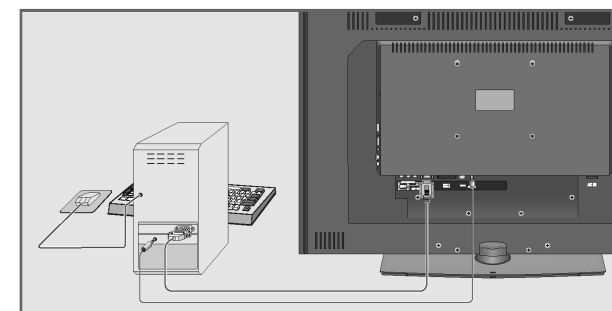
### Kindersperre abschalten

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



## BETRIEB ALS PC-MONITOR

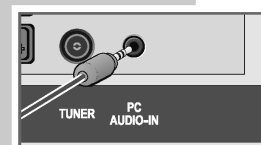
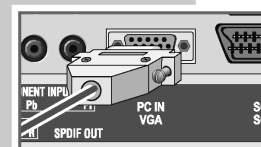
### PC anschließen



- 1 Buchse »PC IN VGA« des Fernsehgerätes und die entsprechende Buchse des PCs mit einem VGA Kabel verbinden (Bildsignal).
- 2 Buchse »PC AUDIO-IN« des Fernsehgerätes und die entsprechenden Buchse des PCs mit geeignetem Kabel verbinden (Tonsignal).

#### Hinweis:

Passen Sie bitte Ihren PC an den Monitor an (Bildschirmauflösung z.B. 1280 x 768, Bildfrequenz z.B. 60 Hz).

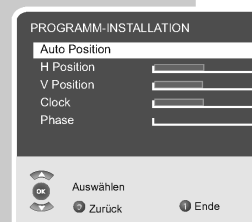


### Programmplatz für den PC anwählen

- 1 »AV« drücken, mit »▲« oder »▼« den Programmplatz »PC« wählen und mit »●« bestätigen.

### Einstellungen für den PC

- 1 Menü »INFO« mit »i« aufrufen.
- 2 Zeile »Programm-Installation« mit »▲« oder »▼« wählen und mit »●« bestätigen.
- 3 Gewünschte Funktion/Einstellung mit »▲« oder »▼« wählen und mit »-« oder »+« Einstellung durchführen.  
- Die Möglichkeiten:  
»Auto Position« zur automatischen Anpassung an den PC;  
»H Position« horizontale Bildposition einstellen;  
»V Position« vertikale Bildposition einstellen;  
»Clock« Taktfrequenz einstellen;  
»Phase« horizontales Flackern, Unschärfen und horizontale Streifen beseitigen.
- 4 Menü »Programm-Installation« mit »i« abschalten.





## Operating Hints

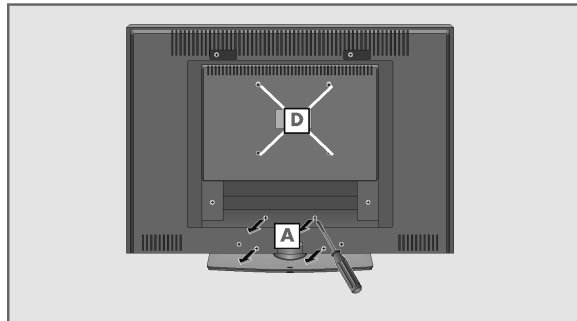
This chapter contains excerpts from the operating instructions. For further particulars please refer to the appropriate user instructions which can be downloaded from [www.grundig.com](http://www.grundig.com).

## INFORMATIONEN

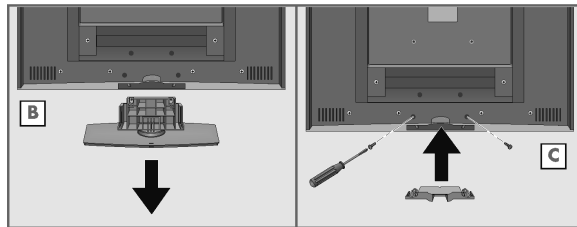
### Demontage des Gerätefußes

Wenn Sie Ihr Fernsehgerät mittels einer Wandhalterung an der Wand befestigen wollen, müssen Sie den Standfuß des Fernsehgerätes demontieren.

- 1 Fernsehgerät vorsichtig mit der Vorderseite auf einen Tisch ablegen, geeignete Unterlage (z.B. Schaumstoff) verwenden.
- 2 Vier Schrauben (A) herausdrehen.



- 3 Gerätefuß (B) abziehen.
- 4 Beiliegende Abdeckung (C) aufstecken und mit zwei Schrauben befestigen.



#### Vorsicht:

Beachten Sie unbedingt die Montageanleitung der Wandhalterung oder lassen Sie die Montage durch Ihren Fachhändler durchführen.

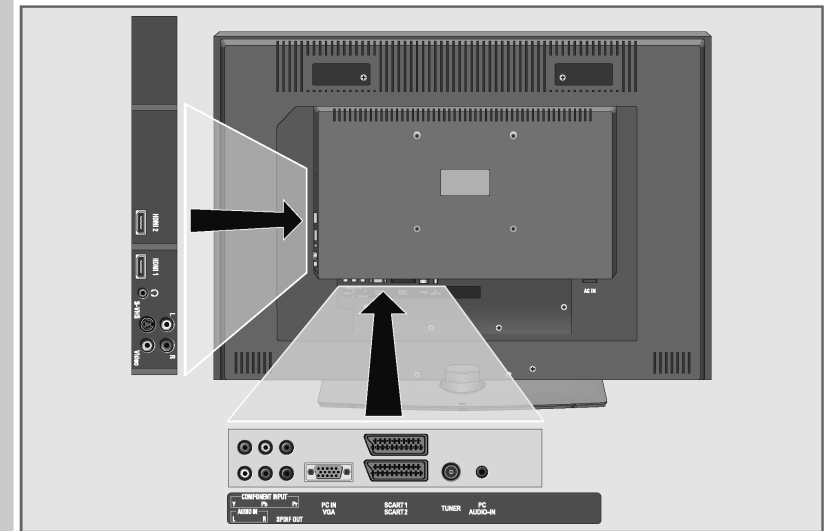
Beim Kauf der Wandhalterung achten Sie bitte darauf, dass alle am Fernsehgerät vorgesehenen Befestigungspunkte (D) in der Wandhalterung vorhanden sind und bei der Montage verwendet werden.

DEUTSCH

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## OVERVIEW

### Connections on the television



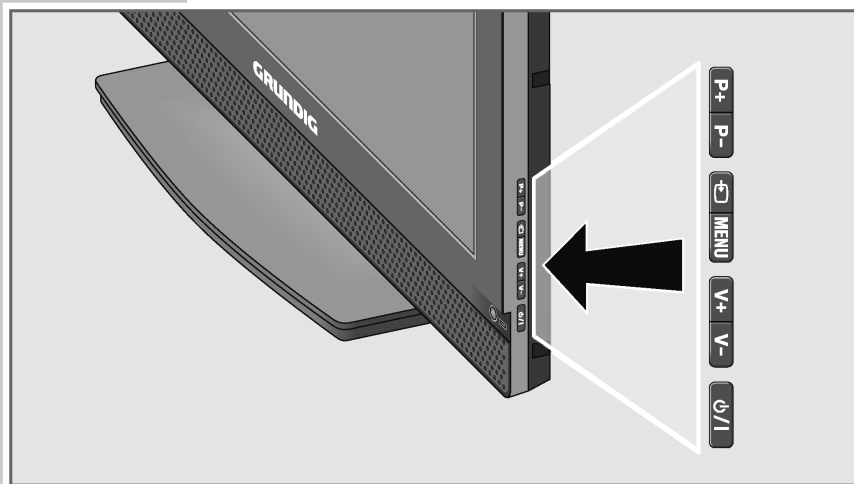
|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>HDMI2</b>           | HDMI socket, audio/video signal input (HDMI).                                                                                   |
| <b>HDMI1</b>           | HDMI socket, audio/video signal input (HDMI).                                                                                   |
| <b>Ⓜ</b>               | Headphone connection (3.5 mm jack plug).                                                                                        |
| <b>S-VHS</b>           | Video signal input for S-Video camcorder.                                                                                       |
| <b>Video</b>           | Video signal input for camcorder.                                                                                               |
| <b>L R</b>             | Audio signal input for camcorder.                                                                                               |
| <b>COMPONENT INPUT</b> |                                                                                                                                 |
| <b>Y Pb Pr</b>         | Video signal input (YUV signal).                                                                                                |
| <b>AUDIO IN LR</b>     | Audio signal input (YUV signal).                                                                                                |
| <b>SPDIF OUT</b>       | Audio output sockets (coaxial) for PCM signals. For connecting to a digital multi-channel audio/video amplifier or AV receiver. |
| <b>PC IN VGA</b>       | VGA socket, video signal input for PC.                                                                                          |
| <b>SCART 1</b>         | Euro/AV socket (FBAS signal, RGB signal).                                                                                       |
| <b>SCART 2</b>         | Euro/AV socket (FBAS signal, Y/C signal).                                                                                       |
| <b>TUNER</b>           | Antenna socket.                                                                                                                 |
| <b>PC AUDIO-IN</b>     | Audio signal input for PC.                                                                                                      |
| <b>AC IN</b>           | Socket for the mains cable.                                                                                                     |

ENGLISH

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## OVERVIEW

### Controls on the television



- P/I** 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.
- V- V +** Adjust the volume.  
Select menu functions.
- MENU** Opens the »MAIN MENU« menu.;  
Press »P+« or »P-« to select an item.  
Press »V+« or »V-« to activate a function.  
Press »V+« or »V-« to set a function.  
Press »MENU« to close the menu.
-  Opens the pre-selection for AV channels.  
Select within the menu with »P+« or »P-«, confirm with »V+« or »V-«.
- P- P +** Switch the television on from standby.  
Channel selection.  
Select a function in the menu.

## OVERVIEW

### The remote control



-  Switches the television off (standby).
- 1...0** Switch the television on from standby mode.  
Select stations directly.
- AV** Opens the pre-selection for AV channels.  
Press  or  to select and press  to confirm.
- ?** Displays information, such as the number and name of the station, the time, etc.  
Reveals answers in teletext mode.
- PIP** Activates the inset picture functions.  
Activates the double window function.  
Returns to normal picture.
-  Switches between picture formats.  
Switches to double character size in teletext mode.
-  Sound on/off (mute).
- i** Opens and closes the main menu.
- Z** Zapping function.  
Holds the page in teletext mode.
-   Switch the television on from standby.  
Select stations step by step.  
Move the cursor in the menus up and down.
-  **(OK)** Opens the channel list.  
Activates various functions.
- +** Adjust the volume.  
Move the cursor left/right in the menu.
- TXT** Switches between teletext and TV modes.
- TV-G** Key has no function.
-  Selects various picture settings.  
Moves back a page in teletext mode.
-  Shows the time.  
Selects a page in teletext mode.
-  Selects the chapter in teletext mode.
-  Selects various sound settings.  
Selects a topic in teletext mode.

## OVERVIEW



### SCAN

Enlarges the picture.

### PAT

Selects the split screen function and returns to normal picture.

### S

Selects sub-pages in teletext mode.

### P

Updates the page in teletext mode.

### M

Switches to operation of a GRUNDIG digital receiver, GRUNDIG digital receiver with hard disk (PDR), GRUNDIG DVD player, GRUNDIG DVD recorder or GRUNDIG AV receiver.

Press »M« until the »DR«, »DVD« or »AMP« display lights up.

Then select the one you want.

If you do not press a button within 10 seconds, the remote control returns to television mode (»TV«).

#### Note:

»DR« has been programmed for operating a GRUNDIG digital receiver (remote control level 1).

»DVD« has been programmed for operating a GRUNDIG DVD player.

»AMP« has been programmed for operating a GRUNDIG AV receiver.

The functions available depend on the model of the device you are using.

Just try it out.

You can change this programming:

Press and hold down »M« and press three number buttons to enter the 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).

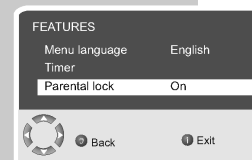
»3«, »6«, »9« for a GRUNDIG digital receiver with a hard disc (PDR).

## CONVENIENCE FUNCTIONS

### Activating the parental lock

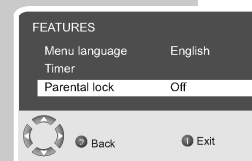
You can block programmes which are unsuitable for children.

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



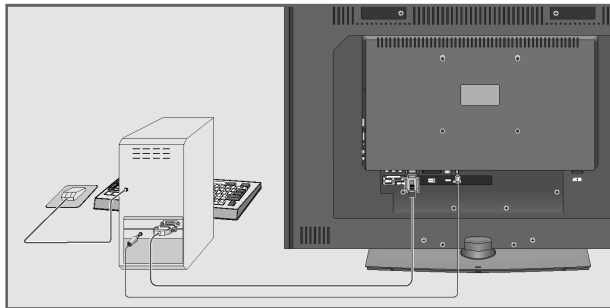
### Deactivating the parental lock

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



## PC MONITOR MODE

### Connecting a PC



- 1 Connect the socket »PC IN VGA« on the television to the corresponding socket on the PC using a VGA cable.
- 2 Connect the socket »PC AUDIO-IN« on the television to the corresponding socket on the PC using a cinch cable (audio signal).

#### Note:

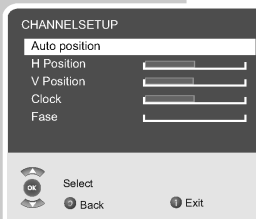
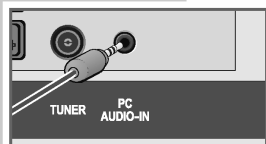
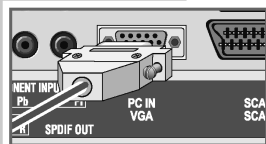
Adjust your PC to the monitor (for example, picture resolution 1280 x 768, picture frequency 60 Hz).

### Selecting the channel position for the PC

- 1 Press »AV«, select the »PC« channel with »▲« or »▼« and press »●« to confirm.

### Settings for the PC

- 1 Press »i« to open the »INFO« menu.
  - The »INFO« menu appears.
- 2 Select »Channel setup« with »▲« or »▼« and press »●« to confirm.
- 3 Select the function or setting you want with »▲« or »▼« and press »-« or »+« to execute it.
  - Options:
    - »Auto position« For automatic PC configuration;
    - »H. Position« Adjust the picture position horizontally;
    - »V. Position« Adjust the picture position vertically;
    - »Clock« Set the cycle frequency;
    - »Phase« Remove horizontal flicker, blurring and horizontal lines.
- 4 Press »i« to exit the »Channel setup« menu.

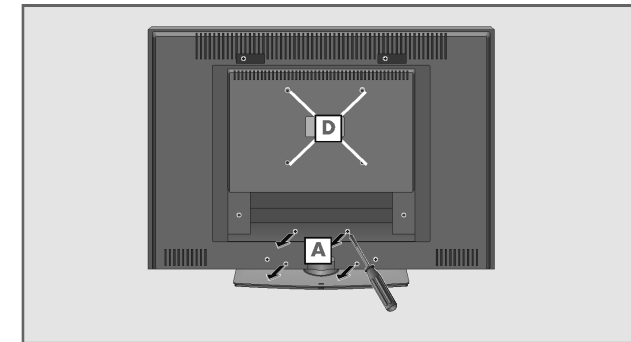


## INFORMATION

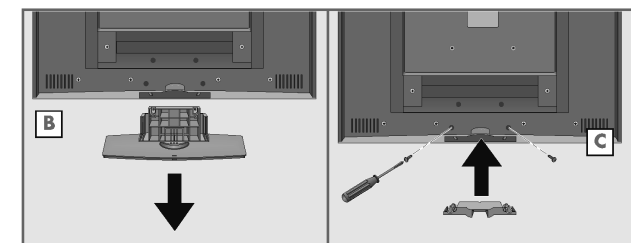
### Dismantling the stand of the unit

If you want to attach your television to the wall with a wall bracket, you need to dismantle the stand.

- 1 Place the television carefully front down on a table on top of a suitable base, such as foam.
- 2 Unscrew the four screws (A).



- 3 Remove the stand (B).
- 4 Attach the cover (C) provided and fasten with two screws.



#### Caution:

Follow the assembly instructions for the wall bracket carefully or have a specialist assemble it for you.

When purchasing the wall bracket, make sure that all the fastening points (D) on the television are also on the wall bracket and that they are all used when mounting it.

## Service- und Sonderfunktionen

### Tastenfunktionen

|     |                                  |
|-----|----------------------------------|
| i   | Aufrufen des Dialog Centers      |
|     | Untermenü: Zurück zum Hauptmenü  |
| ^ v | Menü-Zeile (Menüpunkt) wählen    |
| + - | Aufrufen der Menüs / Wert ändern |
| TXT | Beenden des Dialog Centers       |

### Service-Mode aktivieren

- Taste i 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                 |
|     | Submenu: Back to the main menu            |
| ^ v | Call up the dialogue line (point of menu) |
| + - | Call up the Menus / Changing the settings |
| TXT | Exit the Dialog Center                    |

### Calling up the Service Mode

- Press button i .
- 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<br>Menu<br>^ v<br>- + | Menüpunkt<br>Point of Menu<br>^ v | Untermenüpunkt<br>Point of Submenu<br>^ v | Einstellung<br>Adjustment<br>- +                     | 37 GLX 6950                                                                                         | Vision 4 40-4950 | Hinweis<br>Hint                                                                                                |
|----------------------------|-----------------------------------|-------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------|
| OPTIONS 0                  | STANDBY                           |                                           | CUSTOMER<br>FACTORY                                  | X                                                                                                   | X                |                                                                                                                |
|                            | TEXT                              |                                           | FAST TOP, FAST,<br>TOP, NONE                         | FAST                                                                                                | FAST             |                                                                                                                |
|                            | TEXT TBL                          |                                           | WEST, EAST, CYRL,<br>ARAB, FARS, HEBR,<br>GREE, AUTO | WEST                                                                                                | WEST             |                                                                                                                |
|                            | LANGUAGE                          |                                           | A, B                                                 | A                                                                                                   | A                |                                                                                                                |
|                            | PANEL                             |                                           |                                                      |                                                                                                     |                  |                                                                                                                |
|                            | PIP                               |                                           | ON/OFF                                               | ON                                                                                                  | ON               |                                                                                                                |
|                            | PLUG PLAY                         |                                           | ON<br>OFF                                            | ATS Reset: Netz ein -> Automatischer Sendersuchlauf / Power on -> automatic programme search<br>X X |                  |                                                                                                                |
|                            | TUNER                             |                                           |                                                      | Eingebauten Tuner wählen / Select used tuner                                                        |                  |                                                                                                                |
|                            | 2D/3D DEINTERLACE                 |                                           | 2DDi/3DDi                                            | 3DDi                                                                                                | 3DDi             |                                                                                                                |
|                            | GAMMA                             |                                           | ON/OFF                                               | ON                                                                                                  | ON               | Gamma-Korrektur / Gamma Correction                                                                             |
| OPTIONS 1                  | HDCP VERIFY                       |                                           |                                                      | prüft HDCP im EEPROM / verifies HDCP in EEPROM                                                      |                  |                                                                                                                |
|                            | Blue Back                         |                                           | ON/OFF                                               | ON                                                                                                  | ON               |                                                                                                                |
|                            | DLC                               |                                           | ON/OFF                                               | ON                                                                                                  | ON               | Digitale Helligkeitsregelung / Digital Luminance Control                                                       |
|                            | DNR                               |                                           | ON/OFF                                               | ON                                                                                                  | ON               | Digitale Rauschunterdrückung / Digital Noise Reduction                                                         |
|                            | PROTECTION                        |                                           | ON/OFF                                               | ON                                                                                                  | ON               | Schutzschaltung / Protection                                                                                   |
|                            | PANORAMA                          |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | REMOTE CONTROL                    |                                           |                                                      | Fernbedienung wählen / Select used remote control                                                   |                  |                                                                                                                |
|                            | KEYPAD                            |                                           | Diverse                                              | 6 BUTTON+1STD                                                                                       | 6 BUTTON+1STD    |                                                                                                                |
|                            | PAT                               |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            | Bild & Text / Picture & Text                                                                                   |
|                            | HOTEL                             |                                           | AVAIL/NAVAIL                                         | NAVAIL                                                                                              | NAVAIL           | Hotel-Mode                                                                                                     |
| OPTIONS 2                  | HOTEL VOLUME                      |                                           | 0...100                                              | 20                                                                                                  | 20               | Max. Lautstärke im Hotel-Mode<br>Hotel mode – volume maximum                                                   |
|                            | TTX PAGE SIZE                     |                                           | 10 / 250                                             | 250                                                                                                 | 250              |                                                                                                                |
|                            | VGA                               |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | HDMI 1                            |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | HDMI 2                            |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | TV                                |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | AV                                |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            | Audio/Video-Eingang / Input                                                                                    |
|                            | SV                                |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            | S-Video-Eingang / Input                                                                                        |
| SOUND OPTIONS              | SCART 1                           |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | SCART 2                           |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | YPBPR                             |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | BG                                |                                           | EUROPE, NEW,<br>AUS, NAVAIL                          | EUROPE                                                                                              | EUROPE           |                                                                                                                |
|                            | DK                                |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | I                                 |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | LL                                |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | SRS                               |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
| IF SET-<br>TINGS           | HEADPHONE                         |                                           | AVAIL/NAVAIL                                         | AVAIL                                                                                               | AVAIL            |                                                                                                                |
|                            | CARRI MUTE                        |                                           | MICRO, MSP                                           | MICRO                                                                                               | MICRO            |                                                                                                                |
|                            | ATS                               |                                           | AVAIL/NAVAIL                                         | ATS                                                                                                 | ATS              | Automatische Programmsortierung bei Programmsuchlauf<br>Automatical programme sorting at autoprogram operation |
|                            | AGC VHF                           |                                           | 0...31                                               | 11                                                                                                  | 11               |                                                                                                                |
| DIMMING                    | AGV UHF                           |                                           | 0...31                                               | 11                                                                                                  | 11               |                                                                                                                |
|                            | AGC LPRIME                        |                                           | 0...31                                               | 12                                                                                                  | 12               |                                                                                                                |
|                            | DCR                               |                                           | OFF, CHIP SIDE,<br>PANEL SIDE                        | CHIP SIDE                                                                                           | CHIP SIDE        |                                                                                                                |
|                            | ZERO POWER                        |                                           |                                                      |                                                                                                     |                  |                                                                                                                |

| Menü<br>Menu<br>^ v<br>- + | Menüpunkt<br>Point of Menu<br>^ v | Untermenüpunkt<br>Point of Submenu<br>^ v | Einstellung<br>Adjustment<br>- + | 37 GLX 6950                                                                                                                                                                                                                | Vision 4 40-4950 | Hinweis<br>Hint                                                                                                                                                                                                          |
|----------------------------|-----------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ADJUSTMENTS                | IBC                               | R                                         | 0...63                           | 32                                                                                                                                                                                                                         | 32               | Mittelwerte:<br>Alle Einstellungen sind in Abhängigkeit<br>der Geräte-Eingänge nach Testbild einzustellen.<br><br>Average values:<br>Dependend on input selection all settings must be set<br>according to test pattern. |
|                            |                                   | G                                         | 0...63                           | 32                                                                                                                                                                                                                         | 32               |                                                                                                                                                                                                                          |
|                            |                                   | B                                         | 0...63                           | 32                                                                                                                                                                                                                         | 32               |                                                                                                                                                                                                                          |
|                            |                                   | C                                         | 0...63                           | 32                                                                                                                                                                                                                         | 32               |                                                                                                                                                                                                                          |
|                            |                                   | M                                         | 0...63                           | 32                                                                                                                                                                                                                         | 32               |                                                                                                                                                                                                                          |
|                            |                                   | Y                                         | 0...63                           | 32                                                                                                                                                                                                                         | 32               |                                                                                                                                                                                                                          |
|                            |                                   | F                                         | 0...63                           | 32                                                                                                                                                                                                                         | 32               |                                                                                                                                                                                                                          |
|                            |                                   | IBC                                       | ON/OFF                           | OFF                                                                                                                                                                                                                        | OFF              |                                                                                                                                                                                                                          |
|                            | ICC                               | R                                         | 0...15                           | 8                                                                                                                                                                                                                          | 8                | Mittelwerte:<br>Alle Einstellungen sind in Abhängigkeit<br>der Geräte-Eingänge nach Testbild einzustellen.<br><br>Average values:<br>Dependend on input selection all settings must be set<br>according to test pattern. |
|                            |                                   | G                                         | 0...15                           | 8                                                                                                                                                                                                                          | 8                |                                                                                                                                                                                                                          |
|                            |                                   | B                                         | 0...15                           | 8                                                                                                                                                                                                                          | 8                |                                                                                                                                                                                                                          |
|                            |                                   | C                                         | 0...15                           | 8                                                                                                                                                                                                                          | 8                |                                                                                                                                                                                                                          |
|                            |                                   | M                                         | 0...15                           | 8                                                                                                                                                                                                                          | 8                |                                                                                                                                                                                                                          |
|                            |                                   | Y                                         | 0...15                           | 8                                                                                                                                                                                                                          | 8                |                                                                                                                                                                                                                          |
|                            |                                   | F                                         | 0...15                           | 8                                                                                                                                                                                                                          | 8                |                                                                                                                                                                                                                          |
|                            |                                   | ICC                                       | ON/OFF                           | OFF                                                                                                                                                                                                                        | OFF              |                                                                                                                                                                                                                          |
|                            | IHC                               | R                                         | 0...127                          | 64                                                                                                                                                                                                                         | 64               | Mittelwerte:<br>Alle Einstellungen sind in Abhängigkeit<br>der Geräte-Eingänge nach Testbild einzustellen.<br><br>Average values:<br>Dependend on input selection all settings must be set<br>according to test pattern. |
|                            |                                   | G                                         | 0...15                           | 64                                                                                                                                                                                                                         | 64               |                                                                                                                                                                                                                          |
|                            |                                   | B                                         | 0...15                           | 64                                                                                                                                                                                                                         | 64               |                                                                                                                                                                                                                          |
|                            |                                   | C                                         | 0...15                           | 64                                                                                                                                                                                                                         | 64               |                                                                                                                                                                                                                          |
|                            |                                   | M                                         | 0...15                           | 64                                                                                                                                                                                                                         | 64               |                                                                                                                                                                                                                          |
|                            |                                   | Y                                         | 0...15                           | 64                                                                                                                                                                                                                         | 64               |                                                                                                                                                                                                                          |
|                            |                                   | F                                         | 0...15                           | 64                                                                                                                                                                                                                         | 64               |                                                                                                                                                                                                                          |
|                            |                                   | IHC                                       | ON/OFF                           | OFF                                                                                                                                                                                                                        | OFF              |                                                                                                                                                                                                                          |
|                            | ADJUST                            | R GAIN                                    | 0...255                          | 128                                                                                                                                                                                                                        | 128              | Mittelwerte:<br>Alle Einstellungen sind in Abhängigkeit<br>der Geräte-Eingänge nach Testbild einzustellen.<br><br>Average values:<br>Dependend on input selection all settings must be set<br>according to test pattern. |
|                            |                                   | G GAIN                                    | 0...255                          | 113                                                                                                                                                                                                                        | 113              |                                                                                                                                                                                                                          |
|                            |                                   | B GAIN                                    | 0...255                          | 113                                                                                                                                                                                                                        | 113              |                                                                                                                                                                                                                          |
|                            |                                   | R OFFSET                                  | 0...255                          | 128                                                                                                                                                                                                                        | 128              |                                                                                                                                                                                                                          |
|                            |                                   | G OFFSET                                  | 0...255                          | 128                                                                                                                                                                                                                        | 128              |                                                                                                                                                                                                                          |
|                            |                                   | B OFFSET                                  | 0...255                          | 128                                                                                                                                                                                                                        | 128              |                                                                                                                                                                                                                          |
|                            |                                   | SUB CONTRAST                              | 0...63                           | 50                                                                                                                                                                                                                         | 50               |                                                                                                                                                                                                                          |
|                            |                                   | SUB BRIGHTNESS                            | 0...63                           | 31                                                                                                                                                                                                                         | 31               |                                                                                                                                                                                                                          |
|                            |                                   | SUB SATURATION                            | 0...63                           | 32                                                                                                                                                                                                                         | 32               |                                                                                                                                                                                                                          |
|                            | SCART-1 RGB ADC                   | R GAIN                                    | 0...255                          | 128                                                                                                                                                                                                                        | 128              | Mittelwerte:<br>Alle Einstellungen sind in Abhängigkeit<br>der Geräte-Eingänge nach Testbild einzustellen.<br><br>Average values:<br>Dependend on input selection all settings must be set<br>according to test pattern. |
|                            |                                   | G GAIN                                    | 0...255                          | 128                                                                                                                                                                                                                        | 128              |                                                                                                                                                                                                                          |
|                            |                                   | B GAIN                                    | 0...255                          | 128                                                                                                                                                                                                                        | 128              |                                                                                                                                                                                                                          |
|                            |                                   | R OFFSET                                  | 0...255                          | 128                                                                                                                                                                                                                        | 128              |                                                                                                                                                                                                                          |
|                            |                                   | G OFFSET                                  | 0...255                          | 128                                                                                                                                                                                                                        | 128              |                                                                                                                                                                                                                          |
|                            |                                   | B OFFSET                                  | 0...255                          | 128                                                                                                                                                                                                                        | 128              |                                                                                                                                                                                                                          |
|                            |                                   | RESET TO VGA                              |                                  |                                                                                                                                                                                                                            |                  |                                                                                                                                                                                                                          |
|                            | AUTO COLOR                        |                                           |                                  |                                                                                                                                                                                                                            |                  |                                                                                                                                                                                                                          |
|                            | TEST PATTERN EN.                  |                                           | ON/OFF                           | OFF                                                                                                                                                                                                                        | OFF              |                                                                                                                                                                                                                          |
|                            | TEST PATTERN                      |                                           |                                  | gewünschtes Testbild wählen / select test pattern                                                                                                                                                                          |                  |                                                                                                                                                                                                                          |
|                            | Mpeg NR                           |                                           | ON/OFF                           | OFF                                                                                                                                                                                                                        | OFF              |                                                                                                                                                                                                                          |
|                            | PANEL PARAMETERS                  |                                           |                                  |                                                                                                                                                                                                                            |                  |                                                                                                                                                                                                                          |
| EEPROM<br>EDIT             | ADDRESS                           |                                           |                                  |                                                                                                                                                                                                                            |                  |                                                                                                                                                                                                                          |
|                            | DATA                              |                                           |                                  |                                                                                                                                                                                                                            |                  |                                                                                                                                                                                                                          |
|                            | EEPROM RESET                      |                                           |                                  | <b>Achtung:</b> Nach dem EEPROM Reset sind alle gerätespezifischen Einstellwerte zu prüfen und gegebenenfalls einzustellen!<br><b>Attention:</b> After EEPROM Reset check and if necessary adjust all set specific values! |                  |                                                                                                                                                                                                                          |

## 2. Software-Versionsnummer

Die Software-Versionsnummer wird unten im Menü Sonderfunktionen und im Service Menü angezeigt, z.B.: SF GR FHD T00 v1.07

## 3. Programmsuchlauf

- Taste i drücken.
  - "Programm-Installation" mit den Tasten V^ anwählen und mit der Taste Ⓒ (OK) bestätigen.
  - "Programmsuchlauf" mit den Tasten V^ anwählen und mit der Taste Ⓒ (OK) bestätigen.
  - Gewünschtes Land mit den Tasten V^ - + auswählen.
  - "Suchlauf" mit der Taste Ⓒ (OK) starten.
- 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.

## 2. Software Version Number

The software version number is shown on the lower part of the options menu and the service menu, e.g.: SF GR FHD T00 v1.07

## 3. Channel Search

- Press button i .
  - Select "Channel setup" with the buttons V^ and confirm with button Ⓒ (OK).
  - Select "Autoprogram" with the buttons V^ and confirm with button Ⓒ (OK).
  - Select the required Country with the buttons V^ - + .
  - Start "Autoprogramming" with the button Ⓒ (OK).
- The auto programme 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.



# Platinenabbildungen und Schaltpläne / Layout of PCBs and Circuit Diagrams

## Chassisplatte / Chassis Board XZZ190R-5

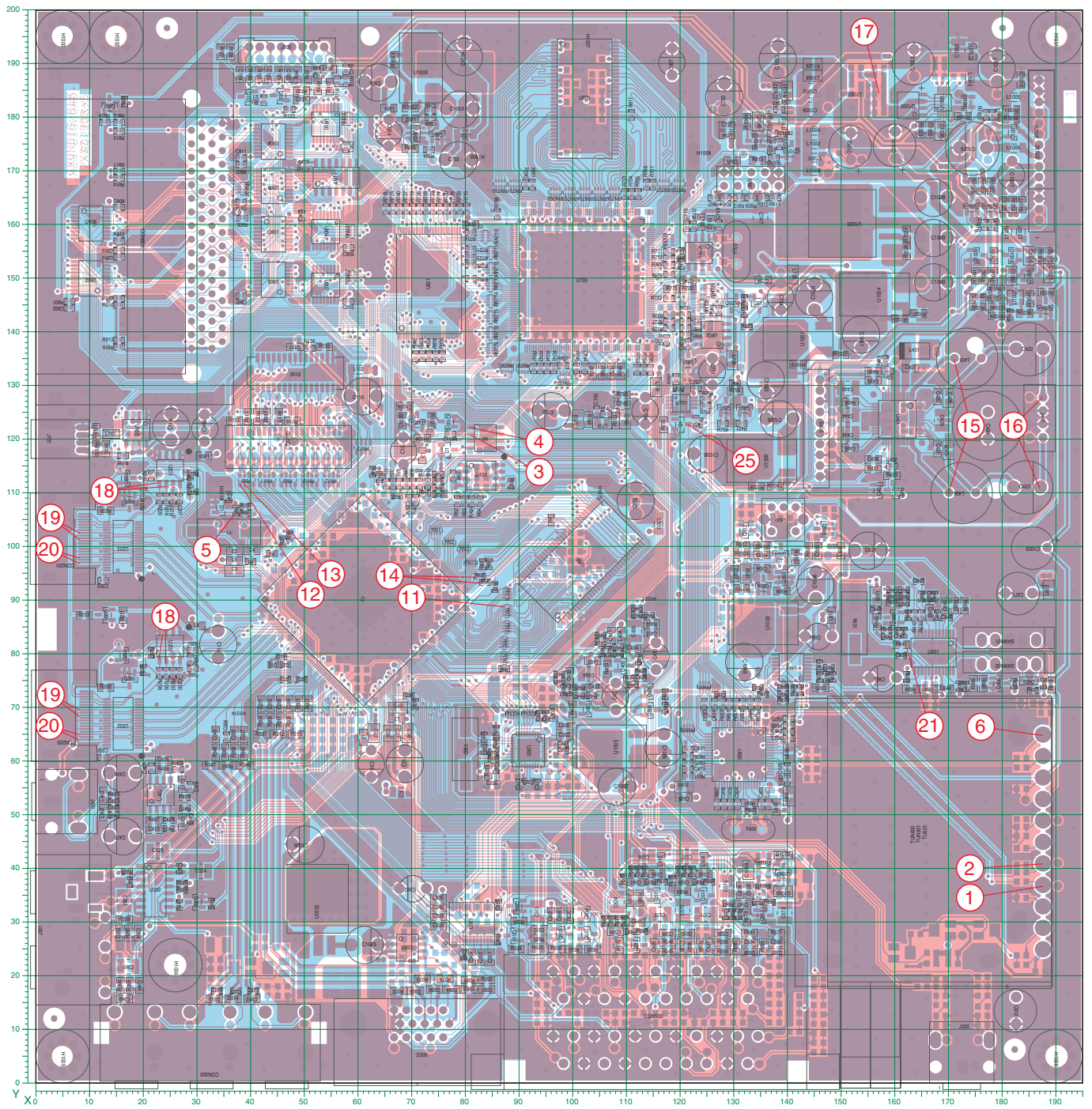
T: Bestückungsseite / Component Side  
B: Lötseite / Solder Side

| POS. | X | Y   | POS. | X    | Y | POS. | X  | Y    | POS. | X   | Y   | POS. | X | Y   | POS. | X     | Y | POS. | X   | Y       |     |     |      |       |     |     |     |       |    |     |     |
|------|---|-----|------|------|---|------|----|------|------|-----|-----|------|---|-----|------|-------|---|------|-----|---------|-----|-----|------|-------|-----|-----|-----|-------|----|-----|-----|
| C1   | B | 51  | 96   | C313 | B | 89   | 57 | C430 | B    | 164 | 126 | C607 | T | 137 | 52   | C742  | B | 109  | 125 | C1045   | T   | 135 | 179  | L304  | B   | 42  | 27  | Q1005 | T  | 77  | 123 |
| C2   | T | 37  | 99   | C314 | T | 47   | 71 | C431 | B    | 164 | 121 | C608 | T | 121 | 53   | C743  | T | 110  | 124 | C1046   | T   | 145 | 93   | L305  | T   | 75  | 34  | Q1006 | T  | 134 | 176 |
| C3   | T | 37  | 96   | C315 | B | 100  | 57 | C432 | T    | 160 | 115 | C609 | B | 184 | 46   | C744  | T | 102  | 133 | C1047   | T   | 137 | 175  | L401  | T   | 164 | 137 | Q1007 | T  | 139 | 39  |
| C4   | T | 40  | 99   | C316 | T | 46   | 71 | C433 | T    | 104 | 74  | C610 | B | 187 | 21   | C745  | T | 105  | 125 | C1048   | T   | 132 | 79   | L402  | T   | 13  | 51  | Q1008 | T  | 136 | 37  |
| C5   | B | 49  | 94   | C317 | B | 98   | 59 | C434 | T    | 103 | 76  | C611 | B | 184 | 48   | C746  | T | 122  | 150 | C1051   | T   | 179 | 154  | L403  | T   | 13  | 54  | Q1009 | T  | 175 | 154 |
| C6   | B | 55  | 101  | C318 | B | 42   | 25 | C435 | T    | 156 | 131 | C612 | T | 183 | 14   | C747  | T | 135  | 161 | C1052   | T   | 182 | 151  | L404  | T   | 109 | 84  | Q1010 | T  | 141 | 174 |
| C7   | B | 58  | 106  | C319 | B | 42   | 18 | C436 | T    | 156 | 116 | C613 | B | 131 | 70   | C748  | T | 127  | 160 | C1053   | T   | 79  | 182  | L405  | T   | 174 | 135 | Q1011 | B  | 142 | 39  |
| C8   | B | 58  | 108  | C320 | B | 74   | 27 | C437 | T    | 108 | 72  | C614 | B | 184 | 55   | C749  | B | 123  | 155 | C1054   | T   | 80  | 191  | L406  | T   | 173 | 110 | R1    | T  | 40  | 97  |
| C9   | B | 42  | 93   | C321 | T | 94   | 56 | C438 | T    | 113 | 76  | C615 | T | 140 | 57   | C750  | B | 123  | 153 | C1055   | T   | 139 | 36   | L407  | T   | 104 | 79  | R2    | B  | 45  | 96  |
| C10  | B | 42  | 90   | C322 | T | 92   | 56 | C439 | T    | 100 | 76  | C616 | T | 140 | 59   | C751  | B | 123  | 151 | C1056   | T   | 133 | 40   | L500  | T   | 139 | 105 | R3    | T  | 44  | 99  |
| C11  | T | 69  | 60   | C323 | T | 90   | 56 | C440 | T    | 112 | 89  | C618 | B | 145 | 57   | C752  | B | 123  | 148 | C1057   | B   | 140 | 42   | L502  | T   | 96  | 31  | R6    | T  | 96  | 105 |
| C12  | B | 62  | 108  | C324 | T | 31   | 40 | C441 | T    | 98  | 75  | C619 | T | 122 | 59   | C753  | B | 123  | 145 | C1058   | B   | 140 | 35   | L506  | T   | 131 | 36  | R28   | B  | 66  | 110 |
| C13  | T | 69  | 118  | C325 | T | 23   | 43 | C442 | B    | 111 | 75  | C620 | B | 145 | 59   | C754  | B | 123  | 147 | C1059   | T   | 186 | 100  | L507  | T   | 111 | 35  | R29   | T  | 75  | 114 |
| C14  | B | 43  | 87   | C326 | T | 85   | 56 | C443 | T    | 151 | 130 | C621 | T | 122 | 62   | C755  | B | 123  | 141 | CON100T | 47  | 119 | L509 | T     | 125 | 42  | R30 | T     | 46 | 101 |     |
| C15  | T | 34  | 82   | C327 | T | 86   | 59 | C444 | T    | 151 | 125 | C624 | B | 145 | 60   | C756  | B | 123  | 143 | CON200T | 5   | 69  | L510 | T     | 117 | 42  | R31 | T     | 65 | 112 |     |
| C16  | B | 62  | 106  | C328 | B | 176  | 20 | C445 | T    | 151 | 121 | C626 | B | 145 | 62   | C757  | T | 123  | 130 | CON201T | 5   | 102 | L600 | T     | 138 | 52  | R32 | T     | 67 | 112 |     |
| C17  | B | 66  | 106  | C329 | T | 27   | 40 | C446 | T    | 152 | 119 | C628 | B | 188 | 75   | C800  | T | 122  | 138 | CON300T | 33  | 2   | L601 | T     | 140 | 54  | R34 | T     | 47 | 102 |     |
| C18  | T | 44  | 78   | C330 | B | 176  | 13 | C500 | T    | 146 | 99  | C630 | T | 140 | 64   | C801  | T | 130  | 172 | CON500T | 115 | -1  | L602 | T     | 121 | 55  | R35 | T     | 75 | 110 |     |
| C19  | T | 46  | 80   | C331 | B | 176  | 18 | C501 | B    | 132 | 106 | C632 | B | 140 | 67   | C802  | T | 81   | 160 | CON900T | 35  | 179 | L603 | T     | 189 | 92  | R36 | T     | 70 | 112 |     |
| C20  | T | 47  | 78   | C332 | T | 84   | 62 | C502 | B    | 132 | 104 | C633 | T | 125 | 71   | C803  | B | 113  | 162 | D1      | T   | 77  | 118  | L604  | B   | 135 | 70  | R37   | B  | 63  | 104 |
| C21  | B | 68  | 102  | C333 | T | 84   | 65 | C503 | B    | 129 | 92  | C634 | T | 133 | 71   | C804  | B | 105  | 183 | D200    | T   | 17  | 80   | L605  | T   | 140 | 62  | R38   | B  | 68  | 104 |
| C22  | T | 47  | 75   | C334 | B | 165  | 18 | C504 | B    | 132 | 100 | C635 | B | 135 | 66   | C805  | B | 109  | 162 | D203    | T   | 17  | 113  | L607  | B   | 185 | 71  | R39   | T  | 70  | 109 |
| C23  | T | 50  | 75   | C335 | B | 169  | 18 | C505 | B    | 132 | 99  | C636 | T | 127 | 71   | C806  | B | 105  | 181 | D300    | B   | 67  | 19   | L608  | T   | 150 | 99  | R40   | T  | 71  | 109 |
| C24  | B | 56  | 79   | C336 | B | 169  | 13 | C506 | T    | 135 | 96  | C637 | T | 155 | 99   | C807  | T | 119  | 190 | D301    | T   | 84  | 18   | L609  | T   | 157 | 91  | R41   | T  | 73  | 110 |
| C25  | B | 57  | 77   | C337 | T | 39   | 65 | C507 | T    | 130 | 95  | C638 | B | 167 | 74   | C808  | B | 105  | 191 | D302    | T   | 81  | 18   | L610  | T   | 148 | 87  | R42   | T  | 75  | 111 |
| C26  | B | 71  | 97   | C338 | T | 75   | 29 | C508 | B    | 129 | 89  | C639 | T | 173 | 74   | C809  | B | 105  | 187 | D303    | B   | 77  | 19   | L700  | T   | 80  | 177 | R43   | T  | 51  | 188 |
| C27  | B | 76  | 97   | C339 | T | 75   | 31 | C509 | B    | 139 | 98  | C640 | T | 166 | 74   | C810  | B | 100  | 173 | D304    | T   | 78  | 18   | L701  | T   | 124 | 161 | R44   | T  | 49  | 188 |
| C28  | B | 74  | 90   | C340 | B | 53   | 62 | C510 | B    | 97  | 31  | C643 | B | 167 | 72   | C811  | B | 100  | 193 | D305    | T   | 71  | 17   | L702  | T   | 130 | 135 | R45   | T  | 73  | 112 |
| C29  | B | 74  | 94   | C341 | B | 49   | 68 | C511 | B    | 94  | 18  | C644 | T | 170 | 74   | C812  | B | 100  | 189 | D306    | T   | 74  | 18   | L703  | T   | 101 | 124 | R46   | T  | 63  | 114 |
| C30  | B | 61  | 75   | C342 | T | 75   | 33 | C512 | T    | 94  | 29  | C645 | T | 170 | 89   | C813  | B | 100  | 185 | D307    | B   | 72  | 20   | L704  | T   | 129 | 177 | R47   | T  | 64  | 113 |
| C31  | B | 79  | 92   | C343 | T | 34   | 65 | C513 | T    | 94  | 32  | C646 | T | 170 | 87   | C900  | T | 32   | 122 | D308    | B   | 176 | 11   | L705  | T   | 141 | 151 | R48   | B  | 47  | 83  |
| C32  | T | 63  | 65   | C344 | B | 49   | 62 | C514 | B    | 97  | 27  | C647 | T | 168 | 87   | C901  | T | 58   | 175 | D309    | B   | 169 | 11   | L706  | T   | 116 | 130 | R49   | B  | 60  | 110 |
| C33  | B | 61  | 74   | C345 | B | 34   | 26 | C515 | B    | 94  | 15  | C648 | T | 157 | 88   | C902  | T | 50   | 162 | D310    | T   | 40  | 16   | L707  | T   | 106 | 123 | R50   | B  | 66  | 112 |
| C34  | T | 36  | 109  | C346 | B | 34   | 18 | C516 | B    | 101 | 26  | C650 | T | 161 | 84   | C903  | T | 6    | 145 | D311    | B   | 42  | 16   | L900  | T   | 31  | 117 | R51   | T  | 78  | 113 |
| C35  | T | 66  | 65   | C347 | B | 34   | 23 | C517 | B    | 109 | 27  | C651 | T | 160 | 92   | C904  | T | 66   | 177 | D312    | T   | 33  | 16   | L901  | T   | 66  | 182 | R52   | T  | 79  | 109 |
| C36  | T | 63  | 60   | C348 | B | 53   | 68 | C518 | B    | 102 | 13  | C656 | T | 161 | 80   | C905  | T | 64   | 187 | D313    | B   | 17  | 16   | L902  | T   | 70  | 180 | R53   | T  | 80  | 109 |
| C37  | T | 67  | 65   | C349 | T | 81   | 24 | C519 | B    | 109 | 31  | C657 | T | 162 | 90   | C906  | T | 58   | 156 | D314    | T   | 37  | 16   | L1000 | T   | 174 | 187 | R54   | T  | 83  | 109 |
| C38  | T | 69  | 65   | C350 | T | 37   | 65 | C520 | B    | 112 | 13  | C658 | T | 160 | 91   | C907  | T | 38   | 147 | D315    | B   | 34  | 16   | L1001 | T   | 145 | 173 | R56   | B  | 68  | 100 |
| C39  | T | 70  | 72   | C351 | T | 17   | 34 | C521 | B    | 124 | 11  | C659 | T | 166 | 91   | C908  | T | 16   | 163 | D500    | B   | 141 | 11   | L1002 | T   | 145 | 175 | R57   | B  | 68  | 98  |
| C40  | B | 62  | 71   | C352 | T | 83   | 24 | C522 | B    | 109 | 11  | C660 | T | 128 | 73   | C909  | T | 74   | 180 | D501    | B   | 146 | 8    | L1003 | T   | 153 | 185 | R61   | T  | 83  | 97  |
| C41  | B | 71  | 80   | C353 | T | 16   | 28 | C523 | B    | 116 | 31  | C661 | B | 167 | 22   | C910  | T | 58   | 146 | D502    | B   | 131 | 13   | L1004 | T   | 145 | 178 | R62   | T  | 85  | 97  |
| C42  | B | 82  | 118  | C354 | T | 19   | 28 | C524 | B    | 104 | 26  | C662 | T | 140 | 66   | C911  | T | 38   | 173 | D503    | B   | 120 | 13   | L1005 | T   | 182 | 184 | R63   | T  | 83  | 95  |
| C43  | T | 68  | 70   | C355 | B | 85   | 30 | C525 | B    | 116 | 27  | C663 | T | 167 | 88   | C912  | T | 16   | 155 | D504    | B   | 105 | 11   | L1006 | T   | 182 | 174 | R64   | T  | 84  | 93  |
| C44  | B | 71  | 83   | C356 | T | 36   | 65 | C526 | T    | 118 | 28  | C664 | T | 146 | 83   | C913  | T | 16   | 154 | D505    | B   | 102 | 11   | L1007 | T   | 184 | 159 | R65   | T  | 37  | 107 |
| C45  | B | 75  | 83   | C357 | T | 85   | 24 | C527 | B    | 124 | 31  | C665 | T | 158 | 76   | C914  | T | 38   | 164 | D506    | B   | 94  | 11   | L1008 | T   | 145 | 170 | R66   | T  | 39  | 106 |
| C46  | B | 74  | 87   | C358 | B | 17   | 26 | C528 | B    | 116 | 11  | C666 | T | 111 | 74   | C915  | T | 50   | 171 | D507    | T   | 138 | 25   | L1009 | T   | 181 | 159 | R67   | T  | 130 | 131 |
| C47  | B | 74  | 89   | C359 | T | 86   | 33 | C529 | T    | 115 | 26  | C667 | T | 165 | 94   | C1000 | T | 172  | 193 | D508    | B   | 138 | 13   | Q1    | T   | 120 | 123 | R68   | T  | 87  | 77  |
| C48  | B | 61  | 77   | C360 | B | 17   | 18 | C530 | B    | 120 | 24  | C668 | T | 139 | 74   | C1001 | T | 175  | 192 | D509    | T   | 133 | 25   | Q100  | T   | 46  | 184 | R72   | T  | 86  | 93  |
| C100 | B | 99  | 85   | C361 | T | 17   | 22 | C531 | B    | 124 | 27  | C670 | T | 146 | 74   | C1002 | B | 168  | 188 | D510    | T   | 121 | 28   | Q101  | T   | 40  | 184 | R73   | T  | 39  | 108 |
| C101 | B | 101 | 87   | C362 | T | 17   | 16 | C532 | B    | 146 | 18  | C671 | T | 183 | 91   | C1003 | T | 164  | 190 | D511    | B   | 124 | 24   | Q200  | T   | 18  | 75  | R74   | T  | 71  | 71  |
| C102 | B | 101 | 101  | C363 | B | 17   | 23 | C533 | B    | 146 | 9   | C672 | T | 146 | 78   | C1004 | B | 153  | 184 | D512    | B   | 116 | 24   | Q201  | T   | 13  | 87  | R76   | T  | 68  | 112 |
| C103 | B | 83  | 115  | C364 | T | 19   | 18 | C534 | B    | 146 | 13  | C700 | B | 127 | 157  | C1005 | T | 167  | 178 | D513    | B   | 109 | 24   | Q202  | T   | 18  | 108 | R77   | T  | 72  | 112 |
| C104 | B | 79  | 89   | C365 | B | 60   | 68 | C535 | T    | 128 | 28  | C701 | B | 127 | 153  | C1006 | T | 169  | 178 | D514    | B   | 101 | 24   | Q300  | B   | 45  | 22  | R78   | T  | 67  | 110 |

| POS. | X | Y      | POS. | X   | Y       | POS. | X | Y       | POS. | X | Y       | POS. | X | Y       | POS.  | X | Y       | POS.    | X   | Y       |       |   |         |
|------|---|--------|------|-----|---------|------|---|---------|------|---|---------|------|---|---------|-------|---|---------|---------|-----|---------|-------|---|---------|
| R205 | T | 24 77  | R365 | T   | 86 27   | R530 | T | 132 146 | R611 | T | 122 57  | R722 | T | 118 146 | R904  | T | 73 174  | RN4     | T   | 87 79   | U800  | T | 102 184 |
| R206 | T | 23 77  | R366 | T   | 16 18   | R531 | T | 90 30   | R612 | B | 184 38  | R723 | T | 81 154  | R906  | T | 17 183  | RN5     | T   | 87 82   | U801  | T | 73 149  |
| R207 | T | 29 81  | R367 | B   | 17 21   | R532 | B | 101 27  | R613 | T | 189 74  | R724 | T | 67 163  | R907  | T | 38 171  | RN6     | T   | 88 85   | U802  | T | 126 140 |
| R208 | T | 29 77  | R368 | T   | 18 18   | R533 | B | 98 13   | R614 | T | 148 78  | R725 | T | 81 153  | R908  | T | 16 179  | RN7     | T   | 88 88   | U900  | T | 54 179  |
| R211 | T | 16 87  | R369 | B   | 60 66   | R534 | T | 90 25   | R615 | T | 122 60  | R726 | T | 118 143 | R909  | T | 13 179  | RN8     | T   | 39 112  | U901  | T | 44 158  |
| R213 | T | 9 87   | R370 | B   | 56 64   | R535 | T | 97 25   | R616 | T | 122 61  | R727 | T | 118 142 | R910  | T | 16 145  | RN9     | T   | 47 112  | U902  | T | 10 150  |
| R215 | T | 29 112 | R371 | B   | 56 66   | R536 | B | 109 29  | R625 | B | 140 66  | R728 | T | 79 163  | R911  | T | 16 146  | RN10    | T   | 51 112  | U903  | T | 71 177  |
| R216 | T | 22 113 | R372 | T   | 68 17   | R537 | B | 109 26  | R626 | B | 140 64  | R729 | T | 118 141 | R912  | T | 16 157  | RN11    | T   | 43 112  | U904  | T | 54 159  |
| R217 | T | 26 109 | R373 | T   | 72 20   | R538 | B | 109 13  | R627 | T | 139 73  | R730 | T | 77 163  | R913  | T | 16 139  | RN12    | T   | 55 112  | U905  | T | 44 150  |
| R218 | T | 20 110 | R374 | T   | 76 20   | R539 | B | 105 13  | R628 | T | 141 73  | R731 | T | 121 143 | R914  | T | 16 169  | RN13    | T   | 61 118  | U906  | T | 10 160  |
| R219 | T | 24 109 | R400 | T   | 112 79  | R540 | B | 116 29  | R629 | B | 188 74  | R732 | T | 121 142 | R915  | T | 16 178  | RN15    | T   | 81 97   | U907  | T | 54 149  |
| R220 | T | 23 109 | R401 | T   | 109 81  | R541 | B | 104 24  | R631 | B | 135 67  | R733 | T | 74 163  | R916  | T | 16 137  | RN16    | T   | 88 91   | U908  | T | 44 176  |
| R221 | T | 29 114 | R402 | T   | 15 50   | R542 | B | 116 26  | R632 | T | 188 75  | R734 | T | 118 139 | R917  | T | 16 170  | RN303   | T   | 92 69   | U909  | T | 44 167  |
| R222 | T | 29 110 | R403 | T   | 15 54   | R543 | B | 127 13  | R633 | T | 128 71  | R735 | T | 120 130 | R1000 | B | 168 189 | RN304   | T   | 89 69   | U911  | T | 56 169  |
| R223 | T | 13 107 | R404 | T   | 115 86  | R544 | B | 127 11  | R634 | T | 182 75  | R736 | T | 72 163  | R1001 | B | 153 186 | RN600   | T   | 122 66  | U1000 | T | 169 183 |
| R300 | T | 84 19  | R405 | T   | 106 81  | R545 | T | 118 25  | R635 | T | 135 74  | R737 | T | 69 163  | R1002 | B | 153 188 | RN601   | T   | 125 74  | U1001 | T | 143 139 |
| R301 | T | 81 19  | R406 | T   | 105 84  | R546 | B | 113 24  | R636 | T | 172 74  | R738 | T | 81 150  | R1003 | T | 165 178 | RN700   | T   | 87 168  | U1002 | T | 53 32   |
| R302 | T | 51 71  | R407 | T   | 22 49   | R547 | B | 124 29  | R637 | T | 186 73  | R739 | T | 123 124 | R1004 | T | 173 180 | RN701   | T   | 89 168  | U1003 | T | 153 160 |
| R303 | T | 49 71  | R408 | T   | 24 59   | R548 | T | 118 26  | R638 | B | 167 70  | R740 | T | 68 163  | R1005 | B | 157 181 | RN702   | T   | 97 166  | U1004 | T | 157 147 |
| R304 | T | 42 68  | R409 | T   | 107 77  | R549 | B | 113 26  | R639 | T | 163 74  | R741 | T | 65 163  | R1006 | B | 157 183 | RN703   | T   | 100 166 | U1005 | T | 108 63  |
| R305 | T | 44 68  | R410 | T   | 28 51   | R550 | B | 124 26  | R641 | T | 161 82  | R742 | T | 93 133  | R1007 | B | 157 184 | RN704   | T   | 102 166 | U1006 | T | 136 116 |
| R306 | T | 47 68  | R411 | T   | 107 81  | R551 | B | 120 26  | R642 | T | 164 87  | R743 | T | 94 133  | R1008 | B | 157 186 | RN705   | T   | 105 166 | U1007 | T | 183 147 |
| R307 | T | 42 65  | R412 | T   | 25 48   | R552 | B | 120 27  | R643 | T | 157 86  | R744 | T | 95 133  | R1009 | T | 187 154 | RN706   | T   | 108 166 | U1008 | T | 137 86  |
| R308 | B | 100 55 | R413 | T   | 27 59   | R553 | B | 146 15  | R644 | T | 165 87  | R745 | T | 97 133  | R1010 | T | 189 154 | RN707   | T   | 117 168 | U1009 | T | 72 188  |
| R309 | B | 85 55  | R414 | T   | 28 53   | R554 | T | 128 25  | R645 | T | 159 85  | R746 | T | 101 133 | R1011 | T | 182 182 | RN708   | T   | 120 168 | Y1    | T | 36 103  |
| R310 | B | 98 63  | R415 | B   | 26 58   | R555 | B | 146 16  | R646 | T | 162 84  | R747 | T | 104 133 | R1012 | T | 182 164 | RN709   | T   | 118 157 | Y300  | T | 80 62   |
| R311 | T | 46 68  | R416 | B   | 26 57   | R556 | T | 128 26  | R647 | T | 165 91  | R748 | T | 106 133 | R1013 | T | 177 181 | RN710   | T   | 84 158  | Y600  | T | 133 47  |
| R312 | T | 45 65  | R419 | T   | 158 135 | R557 | B | 138 20  | R648 | T | 168 91  | R749 | T | 109 133 | R1014 | T | 178 160 | RN711   | T   | 85 155  | Y601  | T | 153 86  |
| R313 | T | 49 65  | R420 | T   | 160 110 | R558 | T | 137 34  | R649 | T | 163 87  | R750 | B | 111 137 | R1015 | T | 178 181 | RN712   | T   | 85 152  | Y700  | T | 131 155 |
| R314 | B | 46 25  | R421 | T   | 132 123 | R559 | T | 135 34  | R650 | T | 162 92  | R751 | B | 100 134 | R1016 | T | 177 160 | RN713   | T   | 85 149  |       |   |         |
| R315 | B | 101 59 | R422 | T   | 159 133 | R560 | T | 113 28  | R651 | T | 159 83  | R752 | T | 107 133 | R1017 | T | 184 164 | RN714   | T   | 85 146  |       |   |         |
| R316 | B | 98 61  | R423 | T   | 160 113 | R561 | T | 111 28  | R652 | T | 162 91  | R753 | T | 112 133 | R1018 | T | 175 167 | RN715   | T   | 85 143  |       |   |         |
| R317 | B | 46 18  | R424 | T   | 81 109  | R562 | B | 138 22  | R653 | T | 160 90  | R754 | T | 113 133 | R1019 | T | 142 134 | RN718   | T   | 85 140  |       |   |         |
| R318 | B | 46 16  | R425 | T   | 104 72  | R563 | T | 129 34  | R654 | B | 184 22  | R755 | T | 115 133 | R1020 | T | 176 167 | RN719   | T   | 85 137  |       |   |         |
| R319 | T | 86 66  | R426 | T   | 101 74  | R564 | T | 106 30  | R655 | B | 184 24  | R756 | T | 130 129 | R1021 | T | 150 136 | RN720   | T   | 88 133  |       |   |         |
| R320 | T | 85 61  | R427 | B   | 159 131 | R565 | B | 141 15  | R656 | B | 188 71  | R757 | T | 98 134  | R1022 | T | 178 167 | RN721   | T   | 91 133  |       |   |         |
| R321 | B | 74 24  | R428 | B   | 159 117 | R566 | T | 126 38  | R657 | B | 188 69  | R758 | B | 117 143 | R1024 | T | 162 158 | RN722   | T   | 99 132  |       |   |         |
| R322 | B | 70 27  | R429 | T   | 114 87  | R567 | T | 124 38  | R658 | B | 184 61  | R759 | T | 128 123 | R1025 | T | 161 143 | RN725   | T   | 125 148 |       |   |         |
| R323 | B | 77 20  | R430 | T   | 156 133 | R568 | T | 130 32  | R659 | B | 184 59  | R760 | B | 117 145 | R1026 | T | 162 155 | RN726   | T   | 124 145 |       |   |         |
| R324 | T | 17 40  | R431 | T   | 156 115 | R569 | B | 130 24  | R660 | T | 129 71  | R761 | B | 100 131 | R1027 | T | 165 144 | RN900   | T   | 58 180  |       |   |         |
| R325 | T | 27 37  | R432 | T   | 111 76  | R570 | T | 115 38  | R661 | T | 131 71  | R762 | B | 117 154 | R1028 | T | 179 143 | RN901   | T   | 59 159  |       |   |         |
| R326 | T | 85 62  | R433 | T   | 112 87  | R571 | T | 109 30  | R662 | T | 132 71  | R763 | T | 108 124 | R1029 | T | 145 190 | RN902   | T   | 59 150  |       |   |         |
| R327 | T | 18 38  | R434 | T   | 98 73   | R572 | T | 117 38  | R663 | T | 162 76  | R764 | T | 103 124 | R1030 | T | 140 185 | RN906   | T   | 39 167  |       |   |         |
| R328 | T | 27 36  | R435 | B   | 111 77  | R573 | T | 133 31  | R665 | T | 175 75  | R765 | T | 109 128 | R1031 | T | 188 148 | RV100   | T   | 11 118  |       |   |         |
| R329 | B | 70 25  | R436 | T   | 113 77  | R574 | T | 131 32  | R666 | T | 177 75  | R766 | T | 118 151 | R1032 | T | 176 145 | RV101   | T   | 11 122  |       |   |         |
| R330 | B | 67 22  | R437 | T   | 98 76   | R575 | T | 109 26  | R667 | T | 171 89  | R767 | T | 119 131 | R1033 | T | 182 143 | S100    | T   | 48 132  |       |   |         |
| R331 | B | 77 22  | R438 | T   | 152 127 | R576 | T | 110 30  | R668 | T | 135 71  | R768 | T | 125 128 | R1034 | T | 72 120  | S300    | T   | 76 14   |       |   |         |
| R332 | B | 81 20  | R439 | T   | 100 70  | R577 | T | 138 28  | R669 | T | 140 67  | R769 | T | 125 126 | R1035 | T | 176 147 | S400    | T   | 146 131 |       |   |         |
| R333 | T | 84 58  | R440 | T   | 100 73  | R578 | T | 119 38  | R670 | T | 140 68  | R770 | T | 117 123 | R1036 | T | 184 144 | S1000   | T   | 187 161 |       |   |         |
| R334 | B | 77 24  | R441 | T   | 109 80  | R579 | T | 110 38  | R671 | T | 117 70  | R771 | T | 119 148 | R1037 | T | 74 124  | S1001   | T   | 187 169 |       |   |         |
| R335 | B | 67 21  | R442 | T   | 101 72  | R580 | T | 121 40  | R672 | T | 117 73  | R772 | B | 95 70   | R1038 | T | 134 111 | SAW600T | 186 | 78      |       |   |         |
| R336 | B | 81 19  | R500 | B   | 148 104 | R581 | T | 133 28  | R673 | T | 136 73  | R773 | B | 95 72   | R1039 | T | 178 147 | SAW601T | 186 | 83      |       |   |         |
| R337 | T | 27 33  | R501 | T   | 144 99  | R582 | T | 111 40  | R674 | T | 149 76  | R774 | B | 95 74   | R1040 | T | 185 146 |         |     |         |       |   |         |
| R338 | T | 86 64  | R502 | B   | 140 105 | R583 | T | 121 36  | R675 | T | 146 76  | R775 | B | 95 75   | R1041 | T | 137 179 | T1000   | T   | 71 123  |       |   |         |
| R339 | B | 176 14 | R503 | B   | 148 102 | R584 | T | 122 40  | R676 | T | 173 89  | R776 | B | 90 72   | R1042 | B | 51 101  | T1001   | T   | 140 179 |       |   |         |
| R340 | B | 176 16 | R505 | B   | 132 108 | R585 | T | 113 35  | R677 | T | 143 73  | R777 | B | 90 74   | R1043 | T | 138 111 | TU601   | T   | 188 25  |       |   |         |
| R341 | B | 51 98  | R506 | B   | 132 103 | R586 | T | 114 40  | R678 | T | 139 71  | R778 | B | 90 76   | R1044 | T | 133 179 | TUN600T | 188 | 25      |       |   |         |
| R342 | T | 33 34  | R507 | B   | 145 99  | R587 | B | 116 13  | R679 | T | 147 76  | R779 | B | 90 77   | R1045 | T | 138 173 | TUN601T | 188 | 25      |       |   |         |
| R343 | B | 169 15 | R508 | T   | 139 92  | R588 | B | 146 11  | R700 | T | 91 168  | R780 | B | 86 77   | R1046 | B | 136 39  |         |     |         |       |   |         |
| R344 | B | 169 16 | R509 | B   | 132 90  | R589 | T | 124 26  | R701 | T | 93 168  | R800 | T | 121 140 | R1047 | B | 136 34  | U1      | T   | 61 90   |       |   |         |
| R345 | T | 39 62  | R510 | B   | 132 92  | R590 | B | 138 17  | R702 | T | 123 160 | R801 | T | 121 141 | R1048 | B | 136 37  | U2      | T   | 35 107  |       |   |         |
| R346 | T | 39 59  | R511 | B   | 145 100 | R591 | T | 132 95  | R703 | T | 110 166 | R802 | T | 71 136  | R1049 | T | 179 151 | U3      | T   | 84 120  |       |   |         |
| R347 | T | 33 59  | R512 | T   | 132 100 | R592 | B | 141 10  | R704 | T | 111 166 | R803 | T | 72 136  | R1050 | T | 177 151 | U100    | T   | 102 97  |       |   |         |
| R348 | T | 34 62  | R513 | T</ |         |      |   |         |      |   |         |      |   |         |       |   |         |         |     |         |       |   |         |

## Chassisplatte / Chassis Board XZZ190R-5

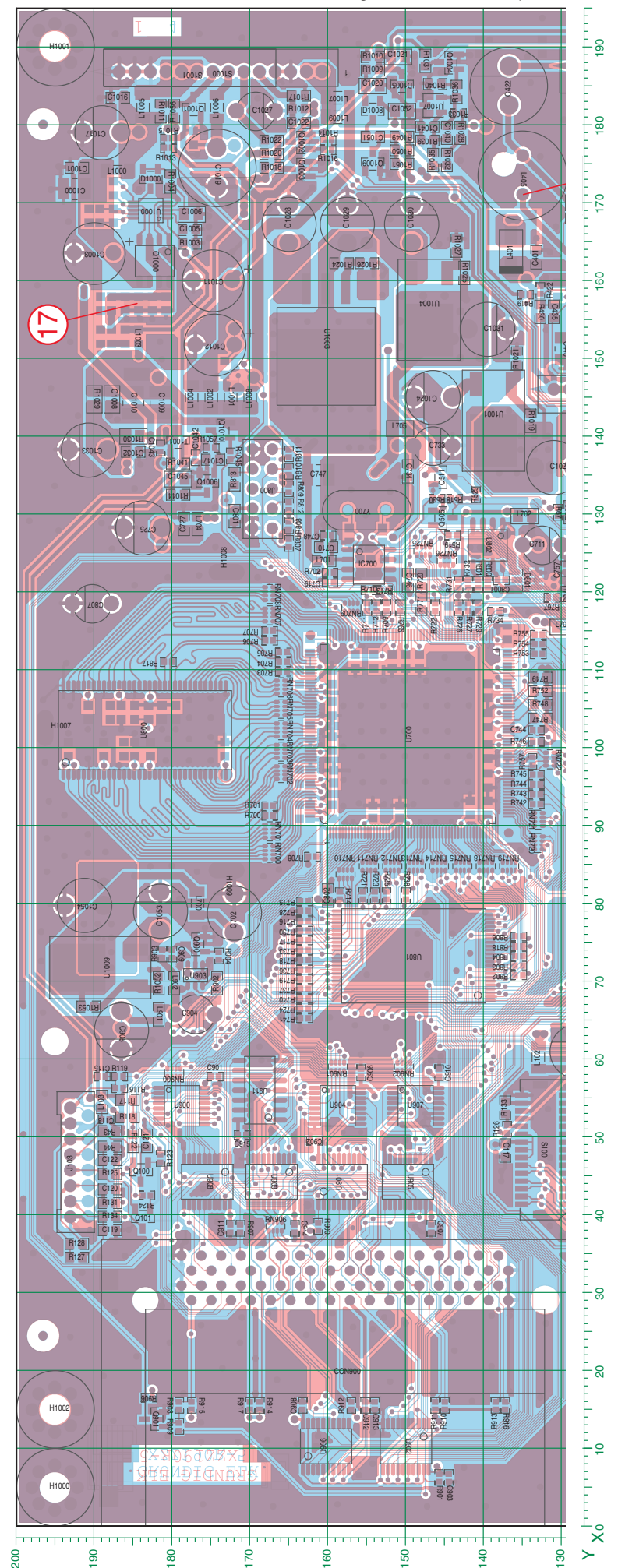
Ansicht von der Bestückungsseite / View of Component Side



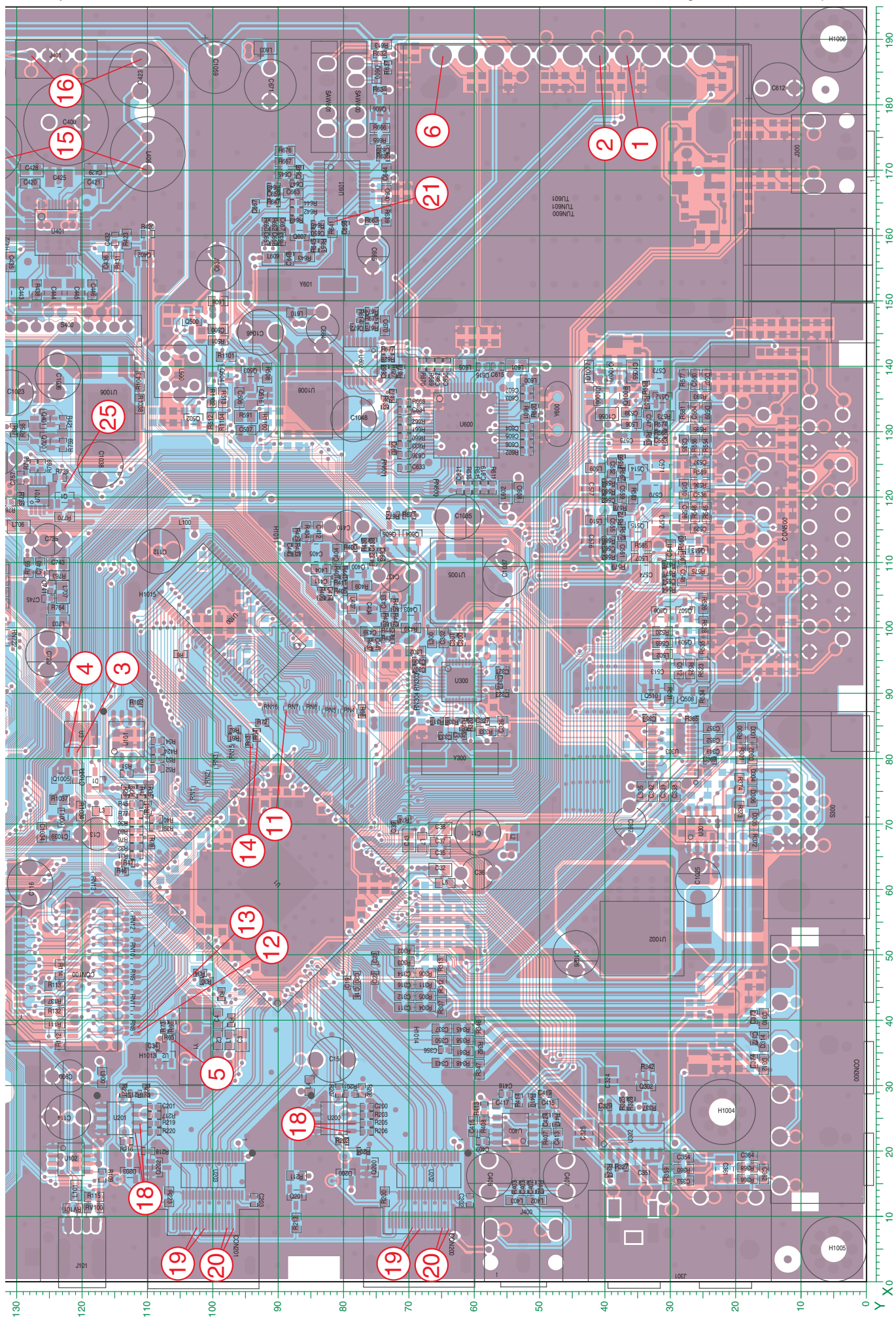


## Chassisplatte / Chassis Board XZZ190R-5

## Ansicht von der Bestückungsseite / View of Component Side



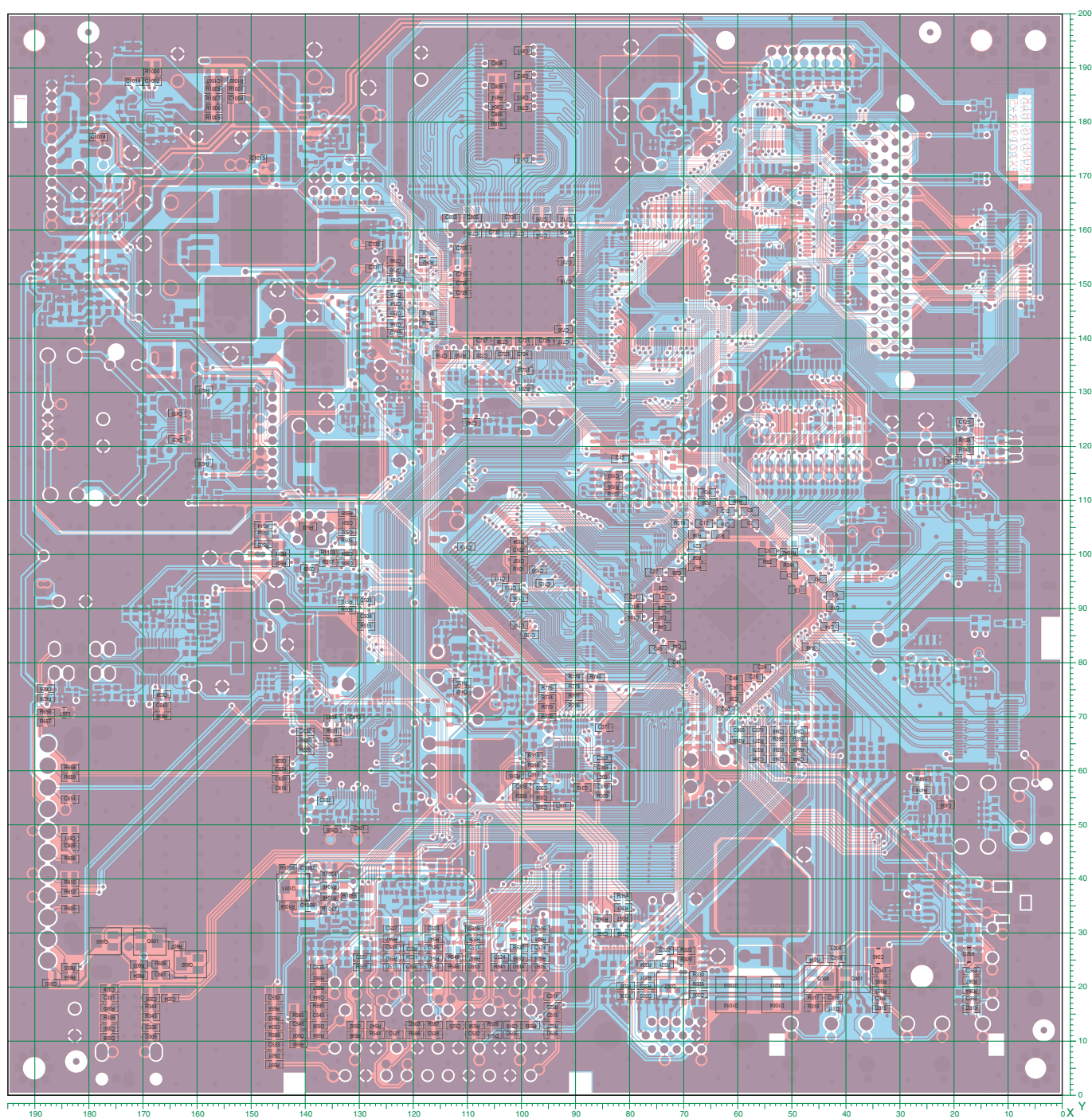
Ansicht von der Bestückungsseite / View of Component Side





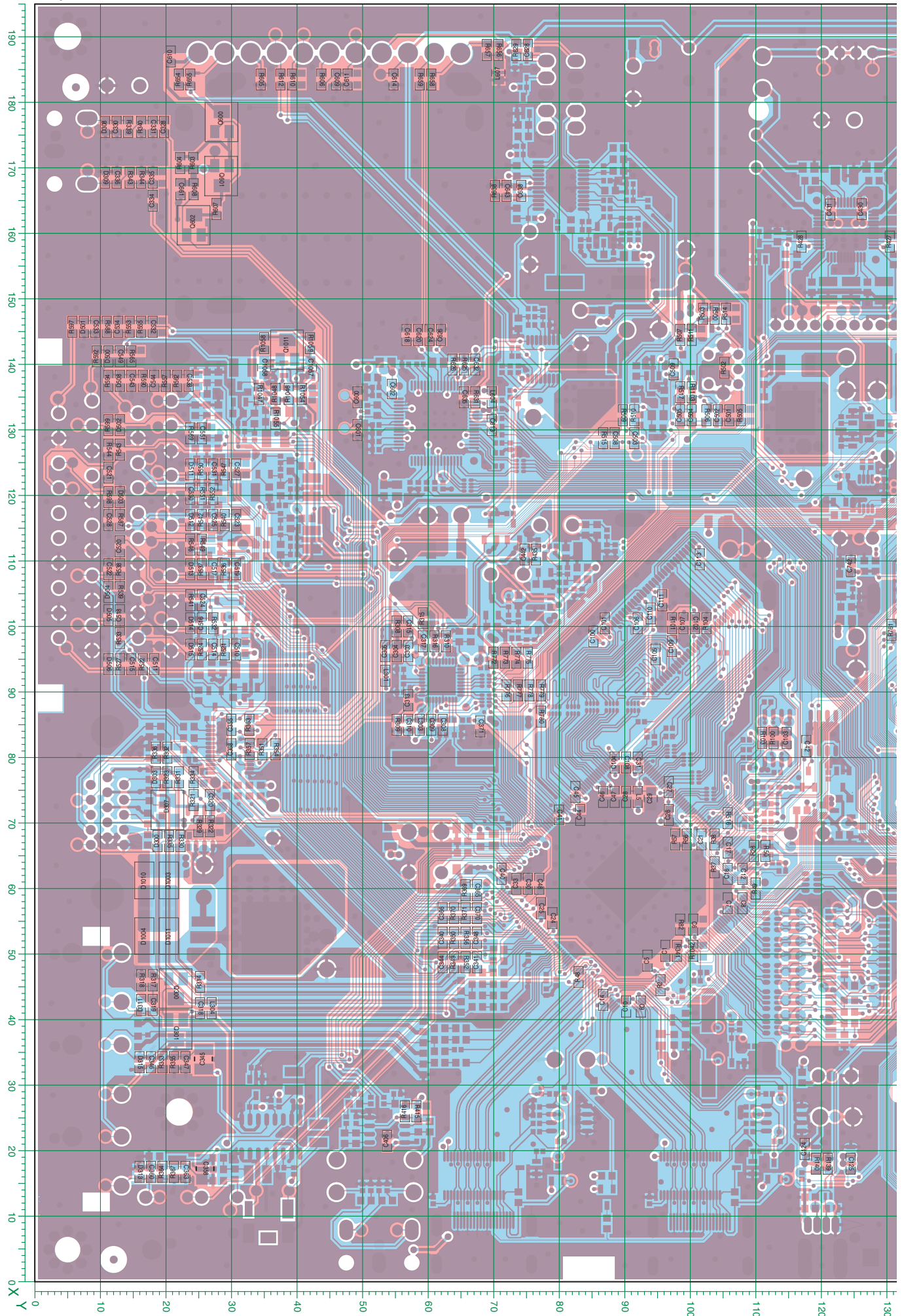
## Chassisplatte / Chassis Board XZZ190R-5

Ansicht von der Lötseite / View of Solder Side



## Chassisplatte / Chassis Board XZZ190R-5

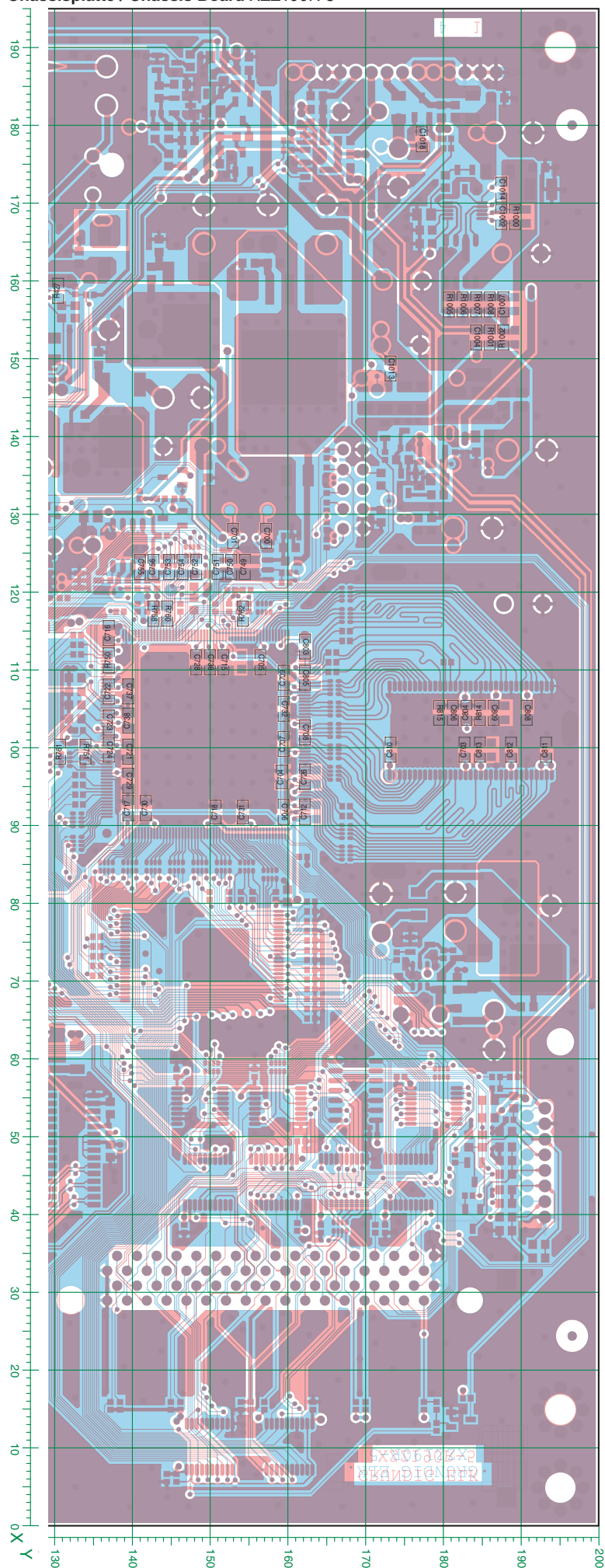
Ansicht von der Lötseite / View of Solder Side





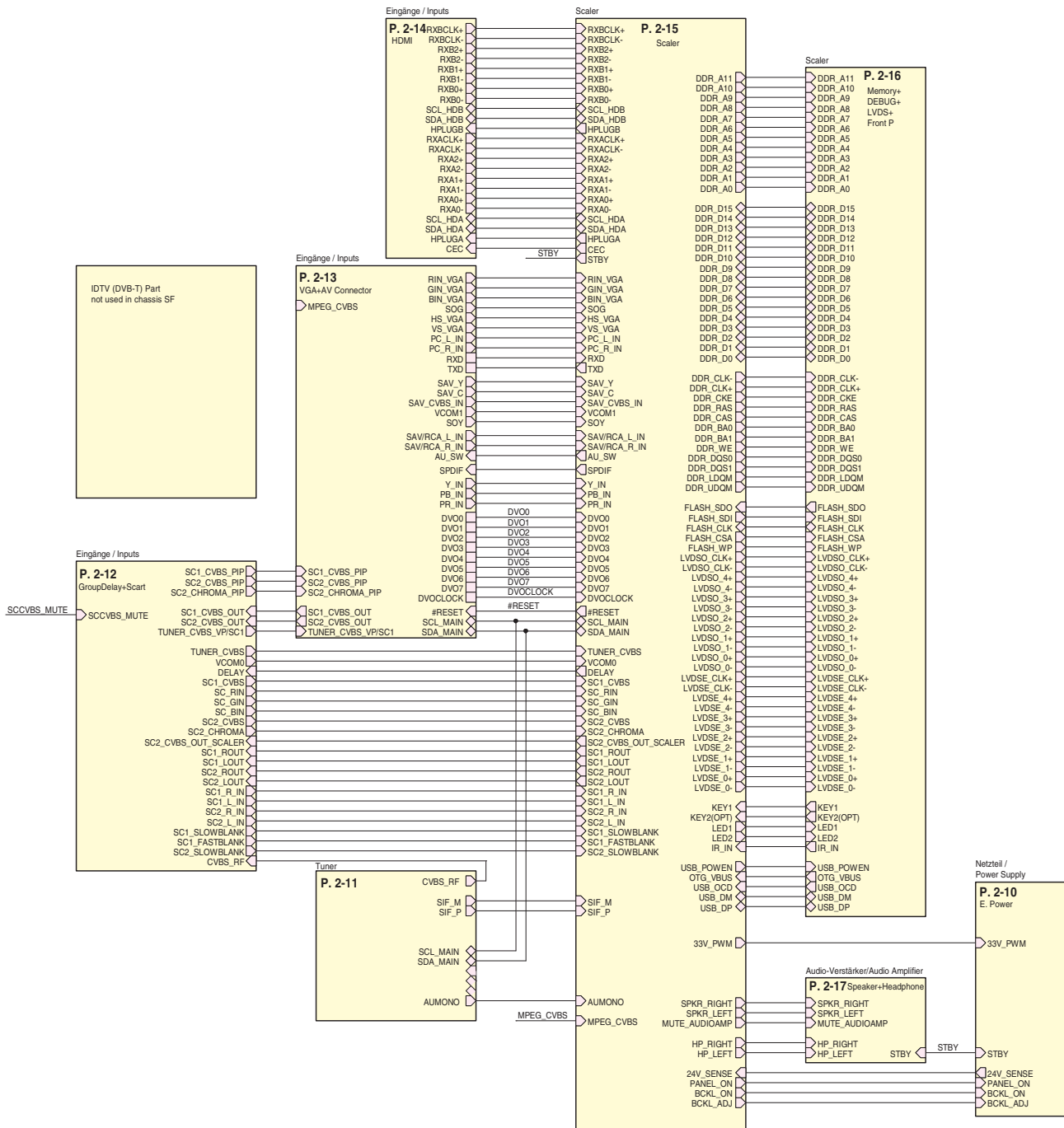
## Chassisplatte / Chassis Board XZZ190R-5

Ansicht von der Lötseite / View of Solder Side



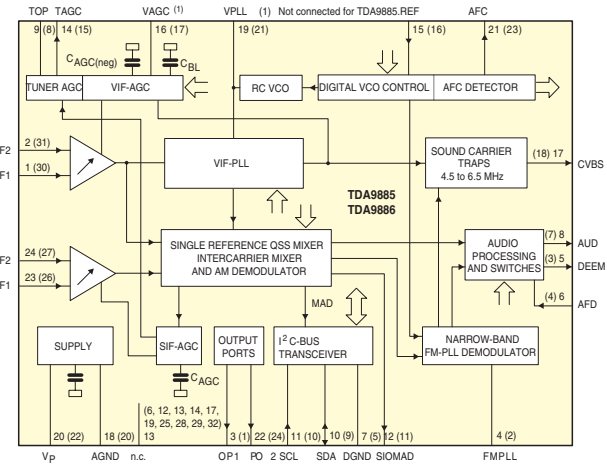
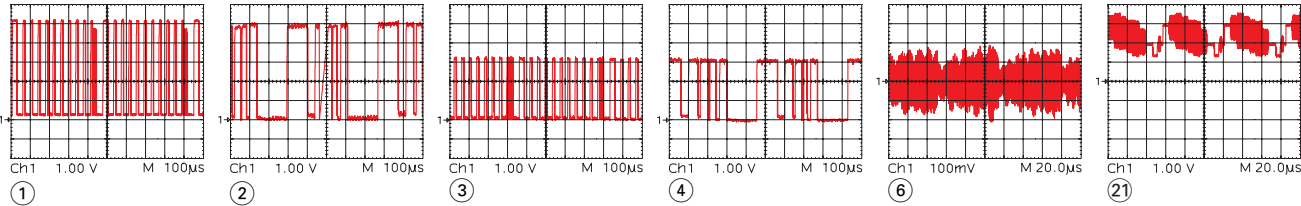
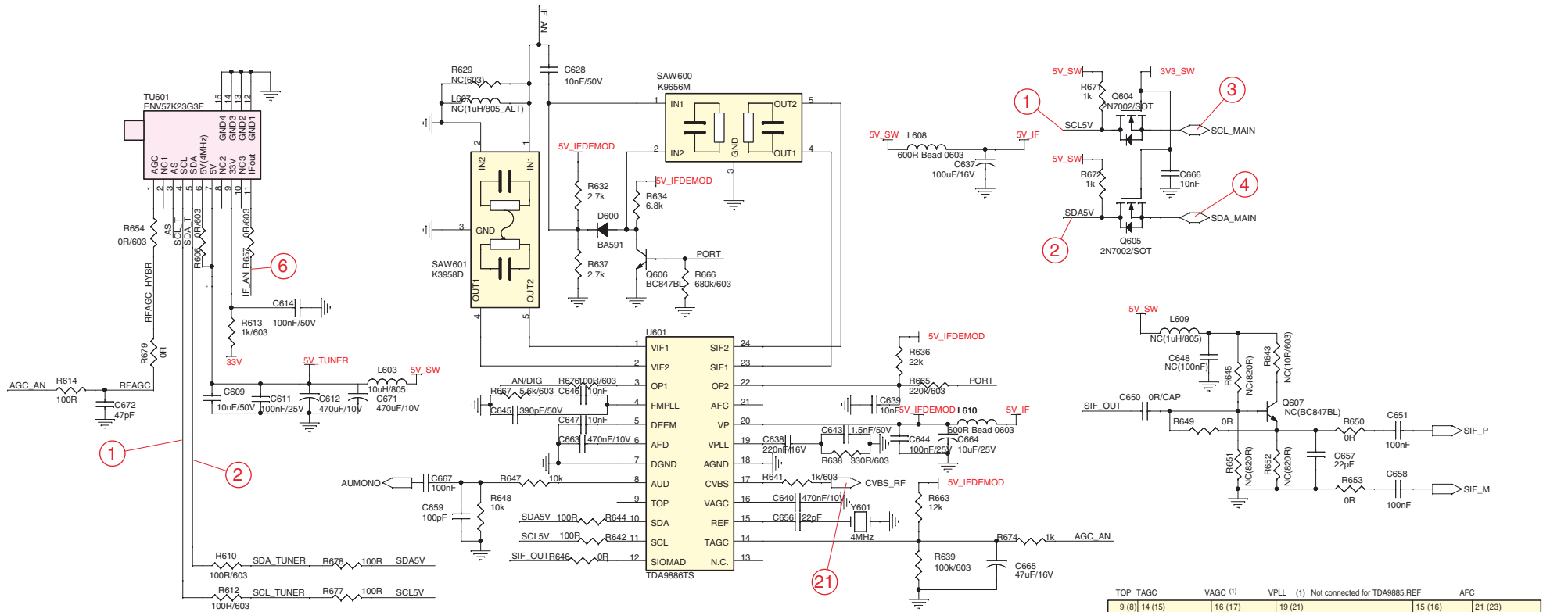


## Chassisplatte – Übersicht / Chassis Board – Overview XZZ190R-5



## 2 - 10



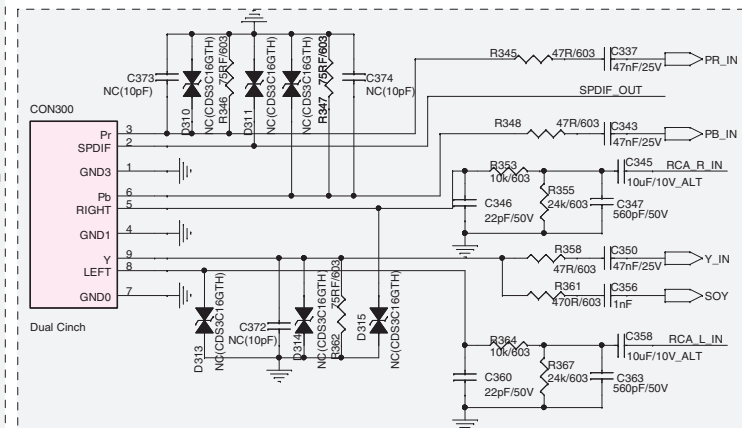
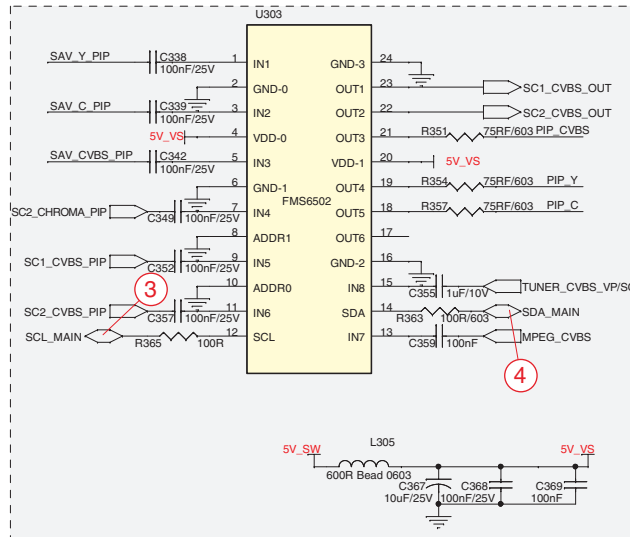


## 2 - 12

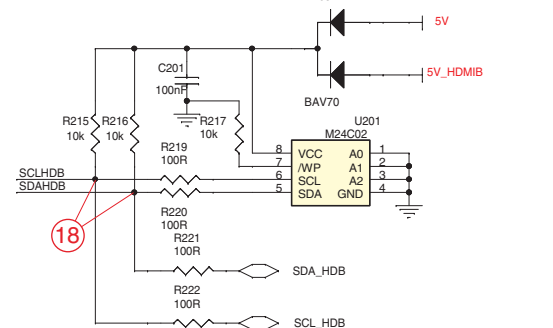
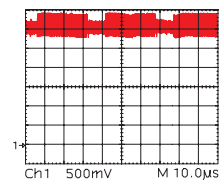
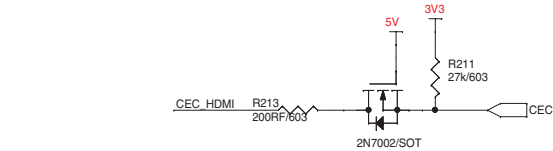
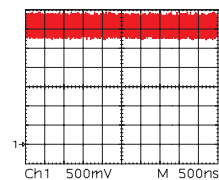




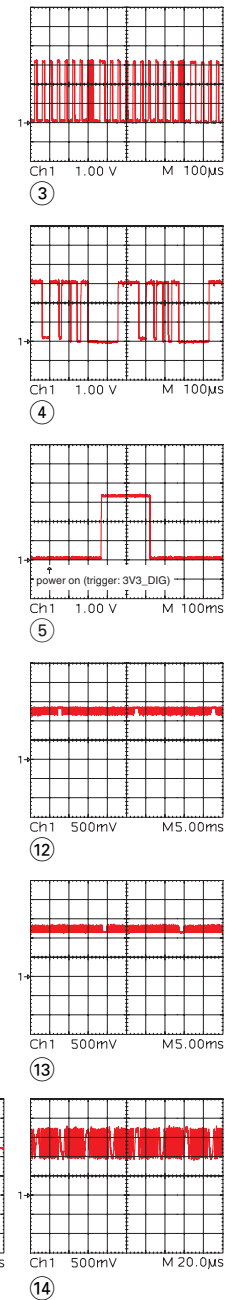
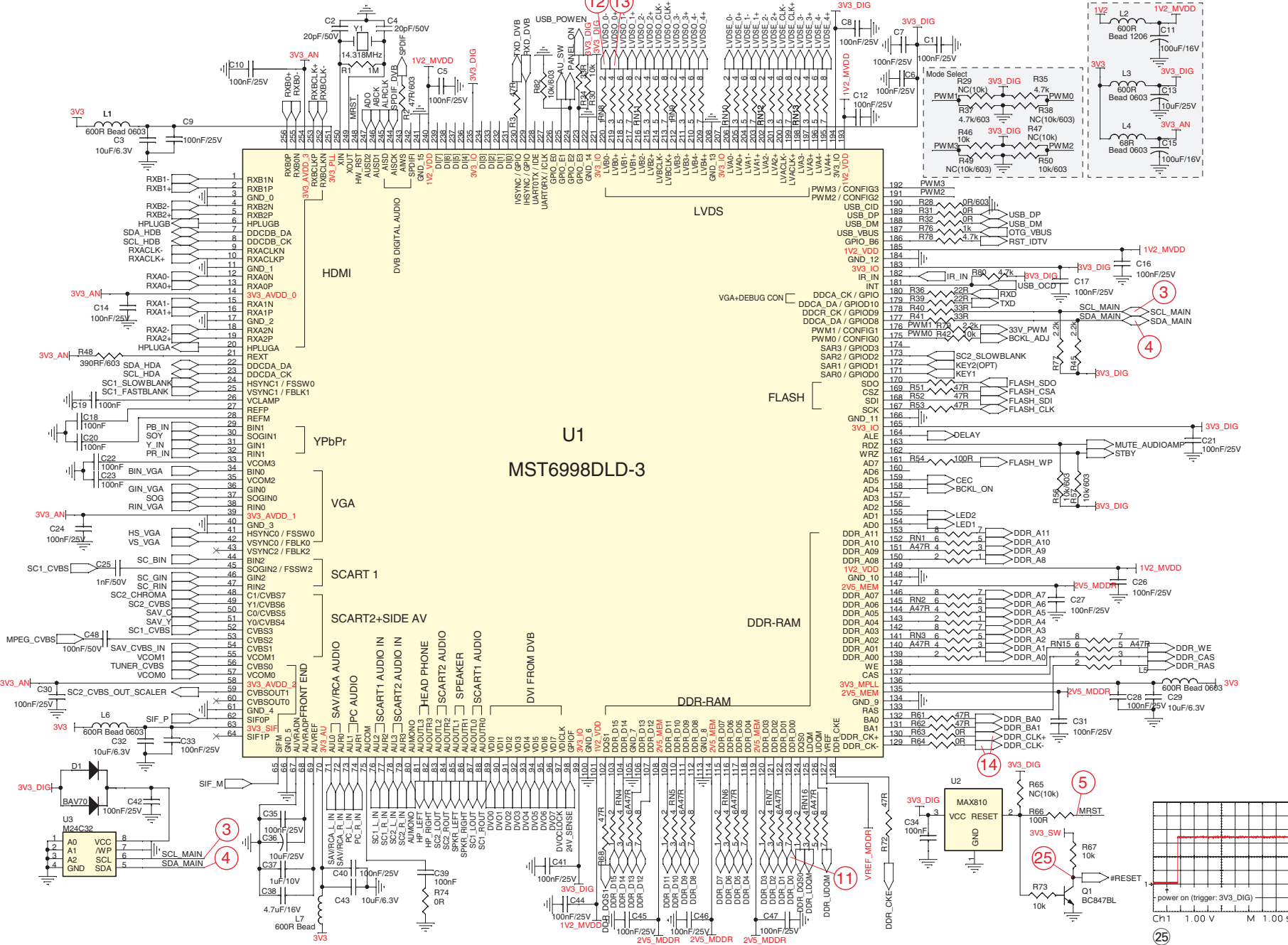
## 2 - 13

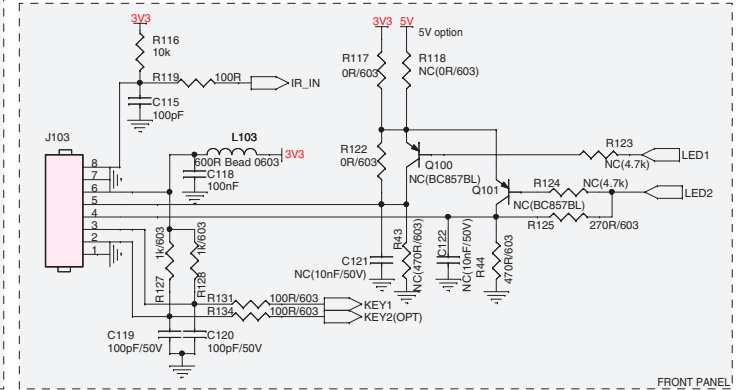
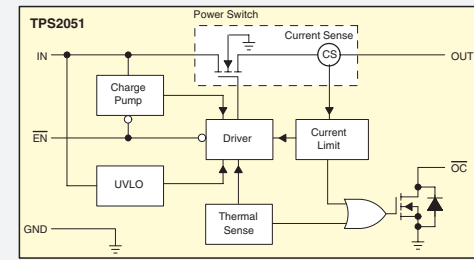


## 2-14



Chassisplatte / Chassis Board – Scaler XZZ190R-5





LG Panel:  
Dynamic Contrast Ratio

## Chassis SF





## Chassisplatte / Chassis Board XZZ190R-11

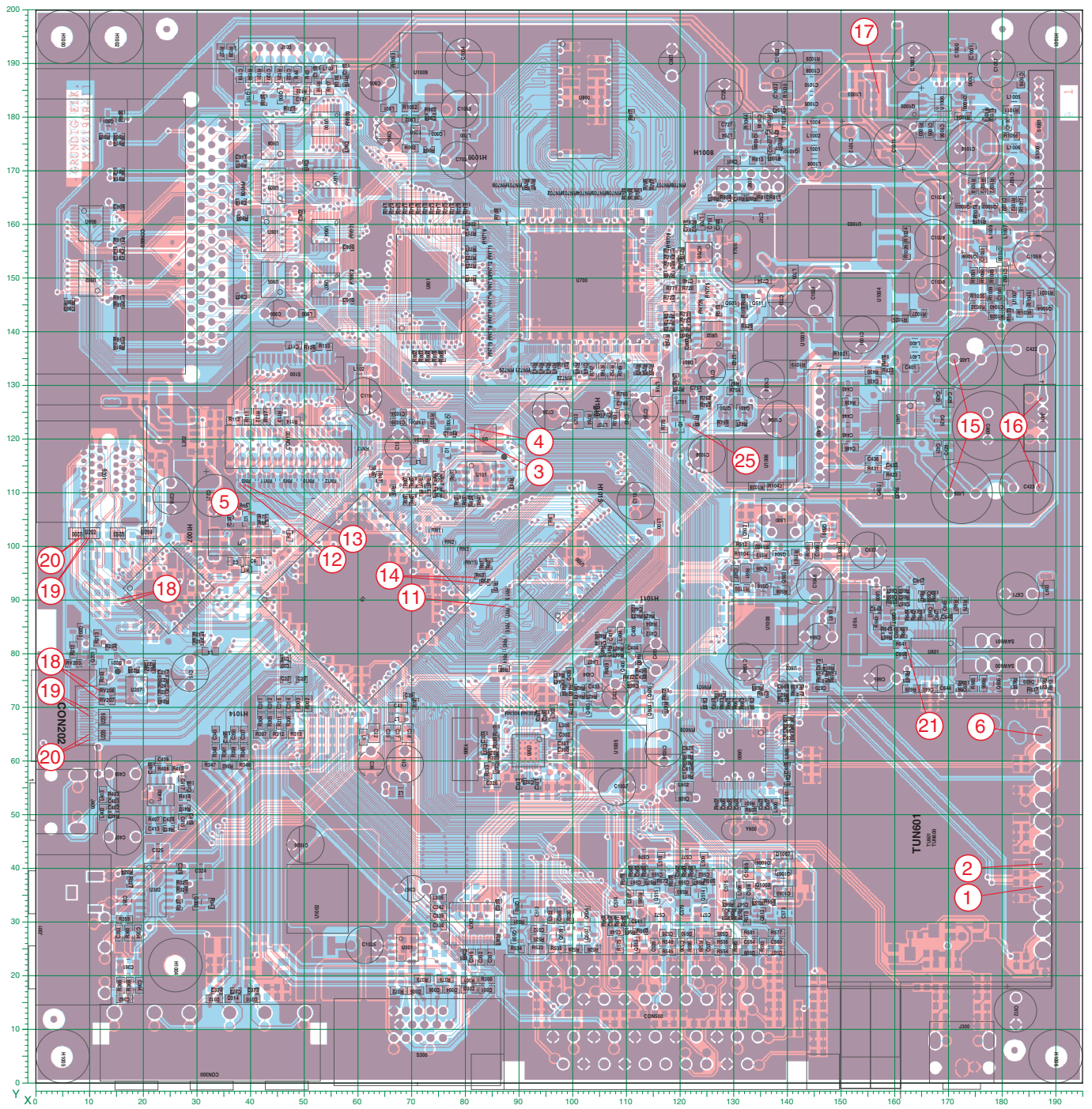
T: Bestückungsseite / Component Side  
B: Lötseite / Solder Side

| POS. | X | Y   | POS. | X    | Y | POS. | X   | Y    | POS. | X   | Y   | POS. | X | Y   | POS. | X    | Y | POS. | X   | Y     |   |     |     |       |   |     |      |       |     |     |     |
|------|---|-----|------|------|---|------|-----|------|------|-----|-----|------|---|-----|------|------|---|------|-----|-------|---|-----|-----|-------|---|-----|------|-------|-----|-----|-----|
| C1   | B | 51  | 96   | C220 | B | 30   | 111 | C402 | T    | 15  | 51  | C544 | B | 138 | 18   | C703 | B | 100  | 183 | C1003 | T | 164 | 190 | D507  | T | 138 | 25   | L1003 | T   | 153 | 185 |
| C2   | T | 37  | 97   | C221 | T | 33   | 110 | C403 | T    | 15  | 53  | C547 | T | 132 | 34   | C704 | B | 96   | 159 | C1004 | B | 153 | 184 | D508  | B | 138 | 13   | L1004 | T   | 145 | 179 |
| C3   | B | 41  | 103  | C222 | B | 21   | 127 | C404 | T    | 111 | 81  | C548 | T | 108 | 28   | C705 | B | 111  | 157 | C1005 | T | 167 | 178 | D509  | T | 133 | 25   | L1005 | T   | 182 | 184 |
| C4   | T | 41  | 97   | C223 | B | 34   | 120 | C405 | T    | 112 | 84  | C549 | B | 141 | 13   | C706 | B | 92   | 160 | C1006 | T | 169 | 178 | D510  | T | 121 | 28   | L1006 | T   | 182 | 174 |
| C5   | B | 51  | 94   | C224 | B | 34   | 121 | C406 | B    | 22  | 54  | C551 | B | 130 | 27   | C707 | B | 101  | 160 | C1007 | B | 157 | 188 | D511  | B | 124 | 24   | L1007 | T   | 181 | 159 |
| C6   | B | 55  | 102  | C225 | B | 34   | 125 | C407 | T    | 16  | 46  | C552 | T | 125 | 39   | C708 | B | 102  | 162 | C1008 | T | 145 | 189 | D512  | B | 116 | 24   | L1008 | T   | 145 | 172 |
| C7   | B | 58  | 106  | C226 | B | 27   | 98  | C408 | T    | 16  | 58  | C553 | T | 129 | 32   | C709 | B | 109  | 160 | C1009 | T | 145 | 183 | D513  | B | 109 | 24   | L1009 | T   | 178 | 159 |
| C8   | B | 58  | 108  | C227 | B | 15   | 98  | C409 | T    | 22  | 59  | C554 | T | 107 | 30   | C710 | T | 126  | 160 | C1010 | T | 145 | 186 | D514  | B | 101 | 24   |       |     |     |     |
| C9   | B | 41  | 99   | C300 | T | 98   | 62  | C410 | T    | 116 | 80  | C555 | T | 116 | 39   | C711 | T | 126  | 133 | C1011 | T | 160 | 175 | D515  | B | 97  | 24   | Q1    | T   | 120 | 123 |
| C10  | B | 41  | 92   | C301 | T | 98   | 63  | C411 | T    | 107 | 84  | C559 | T | 121 | 38   | C712 | B | 92   | 162 | C1012 | T | 152 | 175 | D600  | T | 185 | 75   | Q100  | T   | 46  | 184 |
| C11  | T | 69  | 60   | C302 | T | 99   | 65  | C412 | T    | 115 | 84  | C560 | T | 138 | 26   | C715 | B | 111  | 152 | C1013 | B | 157 | 173 | D801  | T | 122 | 135  | Q101  | T   | 40  | 184 |
| C12  | B | 62  | 108  | C303 | B | 96   | 57  | C413 | T    | 22  | 47  | C561 | T | 112 | 38   | C716 | B | 115  | 137 | C1014 | B | 172 | 188 | D1000 | T | 173 | 183  | Q200  | T   | 8   | 84  |
| C13  | T | 68  | 119  | C304 | B | 96   | 55  | C414 | T    | 105 | 82  | C562 | T | 120 | 40   | C717 | B | 92   | 140 | C1016 | T | 184 | 187 | D1003 | B | 61  | 21   | Q201  | T   | 11  | 80  |
| C14  | B | 48  | 87   | C305 | B | 96   | 54  | C415 | T    | 27  | 49  | C563 | T | 112 | 40   | C718 | B | 92   | 151 | C1017 | T | 179 | 189 | D1004 | B | 53  | 17   | Q202  | B   | 39  | 96  |
| C15  | T | 29  | 77   | C306 | T | 95   | 69  | C416 | T    | 24  | 60  | C564 | T | 133 | 26   | C719 | T | 121  | 160 | C1018 | B | 172 | 181 | D1005 | B | 177 | 160  | Q300  | B   | 45  | 22  |
| C16  | B | 62  | 106  | C307 | T | 94   | 69  | C417 | T    | 27  | 56  | C565 | T | 98  | 31   | C720 | T | 96   | 125 | C1019 | T | 175 | 174 | D1006 | T | 136 | 41   | Q301  | B   | 39  | 22  |
| C17  | B | 66  | 106  | C308 | B | 85   | 64  | C418 | T    | 29  | 55  | C570 | T | 121 | 32   | C721 | B | 100  | 140 | C1020 | B | 186 | 158 | D1007 | T | 139 | 43   | Q302  | T   | 30  | 34  |
| C18  | T | 47  | 79   | C309 | B | 85   | 61  | C419 | T    | 29  | 49  | C571 | T | 125 | 32   | C722 | B | 107  | 137 | C1021 | B | 178 | 156 | D1008 | T | 180 | 155  | Q400  | T   | 110 | 78  |
| C19  | B | 51  | 81   | C310 | B | 85   | 57  | C420 | T    | 168 | 128 | C572 | T | 116 | 32   | C723 | B | 103  | 137 | C1022 | T | 180 | 164 | D1010 | B | 61  | 17   | Q401  | T   | 132 | 126 |
| C20  | T | 47  | 78   | C311 | T | 42   | 71  | C421 | T    | 168 | 118 | C573 | T | 140 | 32   | C724 | B | 100  | 137 | C1023 | T | 136 | 131 | D1011 | B | 53  | 21   | Q402  | T   | 157 | 111 |
| C21  | B | 68  | 102  | C312 | T | 44   | 71  | C422 | T    | 185 | 137 | C574 | T | 108 | 34   | C725 | T | 128  | 184 | C1024 | T | 145 | 147 | D1012 | B | 180 | 180  | Q403  | T   | 103 | 70  |
| C22  | T | 47  | 75   | C313 | B | 89   | 57  | C423 | T    | 185 | 111 | C575 | T | 129 | 37   | C726 | B | 96   | 162 | C1025 | T | 61  | 26  |       |   |     | Q500 | T     | 147 | 103 |     |
| C23  | T | 50  | 75   | C314 | T | 47   | 71  | C424 | T    | 25  | 49  | C576 | T | 113 | 42   | C727 | T | 129  | 179 | C1026 | T | 50  | 45  | IC700 | T | 124 | 155  | Q502  | T   | 132 | 103 |
| C24  | B | 56  | 79   | C315 | B | 100  | 57  | C425 | T    | 169 | 124 | C577 | T | 121 | 42   | C728 | B | 111  | 148 | C1027 | T | 182 | 169 | J103  | T | 40  | 193  | Q503  | T   | 140 | 94  |
| C25  | B | 57  | 77   | C316 | T | 46   | 71  | C428 | T    | 170 | 128 | C600 | B | 135 | 49   | C729 | B | 96   | 140 | C1028 | T | 167 | 165 | J300  | T | 173 | 3    | Q504  | T   | 139 | 99  |
| C26  | B | 71  | 97   | C317 | B | 98   | 59  | C429 | T    | 170 | 118 | C601 | B | 130 | 49   | C730 | B | 92   | 142 | C1029 | T | 167 | 158 | J301  | T | 1   | 29   | Q505  | T   | 130 | 145 |
| C27  | B | 76  | 97   | C318 | B | 42   | 25  | C430 | B    | 164 | 126 | C602 | B | 136 | 55   | C731 | B | 92   | 154 | C1030 | T | 167 | 149 | J401  | T | 188 | 128  | Q506  | T   | 103 | 32  |
| C28  | B | 74  | 90   | C319 | B | 42   | 18  | C431 | B    | 164 | 121 | C603 | T | 135 | 52   | C732 | B | 105  | 160 | C1031 | T | 154 | 140 | J800  | T | 128 | 167  | Q507  | T   | 103 | 28  |
| C29  | B | 74  | 94   | C320 | B | 74   | 27  | C432 | T    | 160 | 115 | C604 | T | 131 | 52   | C733 | T | 139  | 147 | C1032 | T | 138 | 185 |       |   |     | Q508 | T     | 89  | 28  |     |
| C30  | B | 61  | 75   | C321 | T | 94   | 56  | C433 | T    | 104 | 74  | C605 | T | 130 | 52   | C734 | T | 136  | 150 | C1033 | T | 138 | 191 | L1    | B | 41  | 101  | Q509  | T   | 88  | 28  |
| C31  | B | 79  | 92   | C322 | T | 92   | 56  | C434 | T    | 103 | 76  | C606 | T | 128 | 52   | C735 | T | 114  | 125 | C1034 | T | 68  | 125 | L2    | T | 68  | 54   | Q510  | T   | 90  | 33  |
| C32  | T | 63  | 65   | C323 | T | 90   | 56  | C435 | T    | 156 | 131 | C607 | T | 137 | 52   | C736 | B | 111  | 150 | C1035 | T | 117 | 63  | L3    | T | 71  | 116  | Q511  | T   | 135 | 145 |
| C33  | B | 61  | 74   | C324 | T | 31   | 40  | C436 | T    | 156 | 116 | C608 | T | 121 | 53   | C737 | B | 107  | 140 | C1036 | T | 139 | 124 | L4    | T | 33  | 81   | Q512  | T   | 136 | 31  |
| C34  | T | 36  | 105  | C325 | T | 23   | 43  | C437 | T    | 108 | 72  | C609 | B | 184 | 46   | C738 | B | 104  | 140 | C1037 | T | 108 | 55  | L5    | B | 74  | 92   |       |     |     |     |
| C35  | T | 66  | 65   | C326 | T | 85   | 56  | C438 | T    | 113 | 76  | C610 | B | 187 | 21   | C740 | T | 109  | 127 | C1038 | T | 125 | 117 | L6    | T | 61  | 65   | Q513  | T   | 112 | 26  |
| C36  | T | 63  | 60   | C327 | T | 86   | 59  | C439 | T    | 100 | 76  | C611 | B | 184 | 48   | C741 | T | 106  | 125 | C1039 | T | 68  | 123 | L7    | T | 67  | 68   | Q514  | T   | 125 | 35  |
| C37  | T | 67  | 65   | C328 | B | 176  | 20  | C440 | T    | 112 | 89  | C612 | T | 183 | 14   | C742 | B | 109  | 125 | C1040 | T | 179 | 145 | L100  | T | 116 | 104  | Q515  | T   | 116 | 35  |
| C38  | T | 69  | 65   | C329 | T | 27   | 40  | C441 | T    | 98  | 75  | C613 | B | 131 | 70   | C743 | T | 110  | 124 | C1041 | T | 180 | 147 | L102  | T | 60  | 133  | Q516  | T   | 136 | 93  |
| C39  | T | 70  | 72   | C330 | B | 176  | 13  | C442 | B    | 111 | 75  | C614 | B | 184 | 55   | C744 | T | 102  | 133 | C1042 | T | 137 | 177 | L103  | T | 55  | 189  | Q600  | B   | 177 | 29  |
| C40  | B | 62  | 71   | C331 | B | 176  | 18  | C443 | T    | 151 | 130 | C615 | T | 140 | 57   | C745 | T | 105  | 125 | C1043 | T | 139 | 182 | L201  | B | 33  | 103  | Q601  | B   | 169 | 29  |
| C41  | B | 71  | 80   | C332 | T | 84   | 62  | C444 | T    | 151 | 125 | C616 | T | 140 | 59   | C746 | T | 122  | 150 | C1044 | T | 77  | 121 | L202  | T | 28  | 120  | Q602  | B   | 161 | 24  |
| C42  | B | 82  | 118  | C333 | T | 84   | 65  | C445 | T    | 151 | 121 | C618 | B | 145 | 57   | C747 | T | 135  | 161 | C1045 | T | 135 | 179 | L300  | T | 99  | 67   | Q604  | T   | 115 | 70  |
| C43  | T | 68  | 70   | C334 | B | 165  | 18  | C446 | T    | 152 | 119 | C619 | T | 122 | 59   | C748 | T | 127  | 160 | C1046 | T | 145 | 93  | L301  | B | 93  | 54   | Q605  | T   | 115 | 73  |
| C44  | B | 71  | 83   | C335 | B | 169  | 18  | C500 | T    | 146 | 99  | C620 | B | 145 | 59   | C749 | B | 123  | 155 | C1047 | T | 137 | 175 | L302  | T | 97  | 69   | Q606  | T   | 180 | 75  |
| C45  | B | 75  | 83   | C336 | B | 169  | 13  | C501 | B    | 132 | 106 | C621 | T | 122 | 62   | C750 | B | 123  | 153 | C1048 | T | 132 | 79  |       |   |     | Q607 | T     | 160 | 87  |     |
| C46  | B | 74  | 87   | C337 | T | 39   | 65  | C502 | B    | 132 | 104 | C624 | B | 145 | 60   | C751 | B | 123  | 151 | C1051 | T | 177 | 155 | L303  | B | 85  | 59   | Q700  | T   | 129 | 126 |
| C47  | B | 74  | 89   | C338 | T | 75   | 29  | C503 | B    | 129 | 92  | C626 | B | 145 | 62   | C752 | B | 123  | 148 | C1052 | T | 180 | 151 | L304  | B | 42  | 27   | Q900  | T   | 75  | 177 |
| C48  | B | 61  | 77   | C339 | T | 75   | 31  | C504 | B    | 132 | 100 | C628 | B | 188 | 75   | C753 | B | 123  | 145 | C1053 | T | 79  | 182 | L305  | T | 75  | 34   | Q901  | T   | 14  | 180 |
| C100 | B | 99  | 85   | C340 | B | 53   | 62  | C505 | B    | 132 | 99  | C630 | T | 140 | 64   | C754 | B | 123  | 147 | C1054 | T | 80  | 191 | L400  | T | 164 | 138  | Q1000 | T   | 163 | 182 |
| C101 | B | 101 | 87   | C341 | B | 49   | 68  | C506 | T    | 135 | 96  | C632 | B | 140 | 67   | C755 | B | 123  | 141 | C1055 | T | 139 | 36  | L401  | T | 164 | 136  |       |     |     |     |
| C102 | B | 101 | 101  | C342 | T | 75   | 33  | C507 | T    | 130 | 95  | C633 | T | 125 | 71   | C756 | B | 123  | 143 | C1056 | T | 133 | 40  | L402  | T | 13  | 51   | Q1001 | T   | 181 | 179 |
| C103 | B | 83  | 115  | C343 | T | 34   | 65  | C508 | B    | 129 | 89  | C634 | T | 133 | 71   | C757 | T | 123  | 130 | C1057 | B | 140 | 42  | L403  | T | 13  | 54   | Q1002 | T   | 178 | 164 |
| C104 | B | 79  | 89   | C344 | B | 49   | 62  | C509 | B    | 139 | 98  | C635 | B | 135 | 66   | C800 | T | 122  | 138 | C     |   |     |     |       |   |     |      |       |     |     |     |

| POS. | X | Y   | POS. | X    | Y | POS. | X   | Y    | POS. | X   | Y   | POS. | X | Y   | POS. | X    | Y | POS. | X   | Y    |   |     |     |       |   |     |     |        |   |     |     |
|------|---|-----|------|------|---|------|-----|------|------|-----|-----|------|---|-----|------|------|---|------|-----|------|---|-----|-----|-------|---|-----|-----|--------|---|-----|-----|
| R54  | T | 83  | 109  | R246 | B | 34   | 123 | R408 | T    | 24  | 59  | R553 | B | 146 | 15   | R649 | T | 163  | 87  | R756 | T | 130 | 129 | R1027 | T | 165 | 144 | RV200  | B | 8   | 104 |
| R56  | B | 68  | 100  | R247 | B | 34   | 95  | R409 | T    | 107 | 77  | R554 | T | 128 | 25   | R650 | T | 162  | 92  | R757 | T | 98  | 134 | R1028 | T | 179 | 143 | RV201  | B | 8   | 106 |
| R57  | B | 68  | 98   | R300 | T | 84   | 19  | R410 | T    | 28  | 51  | R555 | B | 146 | 16   | R651 | T | 159  | 83  | R758 | B | 117 | 143 | R1029 | T | 145 | 191 | RV202  | B | 13  | 104 |
| R61  | T | 83  | 97   | R301 | T | 81   | 19  | R411 | T    | 107 | 81  | R556 | T | 128 | 26   | R652 | T | 162  | 91  | R759 | T | 128 | 123 | R1030 | T | 140 | 185 | RV203  | T | 7   | 78  |
| R62  | T | 85  | 97   | R302 | T | 51   | 71  | R412 | T    | 25  | 48  | R557 | B | 138 | 20   | R653 | T | 160  | 90  | R760 | B | 117 | 145 | R1031 | T | 188 | 148 | RV204  | B | 22  | 111 |
| R63  | T | 83  | 95   | R303 | T | 49   | 71  | R413 | T    | 27  | 59  | R558 | T | 137 | 34   | R654 | B | 184  | 22  | R761 | B | 100 | 131 | R1032 | T | 176 | 145 | RV205  | B | 22  | 109 |
| R64  | T | 84  | 93   | R304 | T | 42   | 68  | R414 | T    | 28  | 53  | R559 | T | 135 | 34   | R655 | B | 184  | 24  | R762 | B | 117 | 154 | R1033 | T | 182 | 143 | RV206  | B | 23  | 117 |
| R65  | T | 39  | 108  | R305 | T | 44   | 68  | R415 | B    | 26  | 59  | R560 | T | 113 | 28   | R656 | B | 188  | 71  | R763 | T | 108 | 124 | R1034 | T | 72  | 120 | RV207  | T | 13  | 71  |
| R66  | T | 42  | 104  | R306 | T | 47   | 68  | R416 | B    | 26  | 57  | R561 | T | 111 | 28   | R657 | B | 188  | 69  | R764 | T | 103 | 124 | R1035 | T | 176 | 147 | RV208  | T | 13  | 73  |
| R67  | T | 130 | 131  | R307 | T | 42   | 65  | R419 | T    | 158 | 135 | R562 | B | 138 | 22   | R658 | B | 184  | 61  | R765 | T | 109 | 128 | R1036 | T | 184 | 144 | S100   | T | 48  | 132 |
| R68  | T | 87  | 77   | R308 | B | 100  | 55  | R420 | T    | 160 | 110 | R563 | T | 129 | 34   | R659 | B | 184  | 59  | R766 | T | 118 | 151 | R1037 | T | 74  | 124 | S201   | T | 18  | 110 |
| R72  | T | 86  | 93   | R309 | B | 85   | 55  | R421 | T    | 132 | 123 | R564 | T | 106 | 30   | R660 | T | 129  | 71  | R767 | T | 119 | 131 | R1038 | T | 134 | 111 | S300   | T | 76  | 14  |
| R73  | T | 42  | 106  | R310 | B | 98   | 63  | R422 | T    | 159 | 133 | R565 | B | 141 | 15   | R661 | T | 131  | 71  | R768 | T | 125 | 128 | R1039 | T | 178 | 147 | S400   | T | 146 | 131 |
| R74  | T | 71  | 71   | R311 | T | 46   | 68  | R423 | T    | 160 | 113 | R566 | T | 126 | 38   | R662 | T | 132  | 71  | R769 | T | 125 | 126 | R1040 | T | 185 | 146 | S1000  | T | 187 | 161 |
| R77  | T | 72  | 112  | R312 | T | 45   | 65  | R424 | T    | 81  | 109 | R567 | T | 124 | 38   | R663 | T | 162  | 76  | R770 | T | 117 | 123 | R1041 | T | 137 | 179 | S1001  | T | 187 | 169 |
| R78  | T | 67  | 111  | R313 | T | 49   | 65  | R425 | T    | 104 | 72  | R568 | T | 130 | 32   | R665 | T | 175  | 75  | R771 | T | 119 | 148 | R1042 | B | 51  | 100 | SAW600 | T | 186 | 78  |
| R79  | T | 75  | 112  | R314 | B | 46   | 25  | R426 | T    | 101 | 74  | R569 | B | 130 | 24   | R666 | T | 177  | 75  | R772 | B | 95  | 70  | R1043 | T | 138 | 111 | SAW601 | T | 186 | 83  |
| R80  | T | 69  | 112  | R315 | B | 101  | 59  | R427 | B    | 159 | 131 | R570 | T | 115 | 38   | R667 | T | 171  | 89  | R773 | B | 95  | 72  | R1044 | T | 133 | 179 | T1000  | T | 71  | 123 |
| R82  | B | 55  | 98   | R316 | B | 98   | 61  | R428 | B    | 159 | 117 | R571 | T | 109 | 30   | R669 | T | 140  | 67  | R774 | B | 95  | 74  | R1045 | T | 138 | 173 | T1001  | T | 140 | 179 |
| R84  | B | 74  | 103  | R317 | B | 46   | 18  | R429 | T    | 114 | 87  | R572 | T | 117 | 38   | R670 | T | 140  | 68  | R775 | B | 95  | 75  | R1046 | B | 136 | 39  | TU601  | T | 188 | 25  |
| R100 | B | 83  | 113  | R318 | B | 46   | 16  | R430 | T    | 156 | 133 | R573 | T | 133 | 31   | R671 | T | 117  | 70  | R776 | B | 90  | 72  | R1047 | B | 136 | 34  | TUN600 | T | 188 | 25  |
| R101 | B | 101 | 97   | R319 | T | 86   | 66  | R431 | T    | 156 | 115 | R574 | T | 131 | 32   | R672 | T | 117  | 73  | R777 | B | 90  | 74  | R1048 | B | 136 | 37  | TUN601 | T | 188 | 25  |
| R102 | T | 89  | 112  | R320 | T | 85   | 61  | R432 | T    | 111 | 76  | R575 | T | 109 | 26   | R673 | T | 136  | 73  | R778 | B | 90  | 76  | R1049 | T | 178 | 151 | U1     | T | 61  | 90  |
| R103 | B | 83  | 111  | R321 | B | 74   | 24  | R433 | T    | 112 | 87  | R576 | T | 110 | 30   | R674 | T | 149  | 76  | R779 | B | 90  | 77  | R1050 | T | 177 | 151 | U2     | T | 39  | 105 |
| R104 | B | 101 | 103  | R322 | B | 70   | 27  | R434 | T    | 98  | 73  | R577 | T | 138 | 28   | R675 | T | 146  | 76  | R780 | B | 86  | 77  | R1051 | T | 175 | 151 | U3     | T | 84  | 120 |
| R111 | T | 40  | 124  | R323 | B | 77   | 20  | R435 | B    | 111 | 77  | R578 | T | 119 | 38   | R676 | T | 173  | 89  | R800 | T | 121 | 140 | R1052 | T | 70  | 182 | U100   | T | 102 | 97  |
| R112 | T | 37  | 124  | R324 | T | 17   | 40  | R436 | T    | 113 | 77  | R579 | T | 110 | 38   | R677 | T | 143  | 73  | R801 | T | 121 | 141 | R1053 | T | 67  | 191 | U101   | T | 83  | 113 |
| R113 | T | 45  | 124  | R325 | T | 27   | 37  | R437 | T    | 98  | 76  | R580 | T | 121 | 40   | R678 | T | 139  | 71  | R802 | T | 71  | 136 | R1054 | B | 136 | 41  | U200   | T | 8   | 103 |
| R114 | T | 48  | 124  | R326 | T | 85   | 62  | R438 | T    | 152 | 127 | R581 | T | 133 | 28   | R679 | T | 147  | 76  | R803 | T | 72  | 136 | R1055 | B | 132 | 37  | U201   | T | 25  | 92  |
| R116 | T | 56  | 187  | R327 | T | 18   | 38  | R439 | T    | 100 | 70  | R582 | T | 111 | 40   | R700 | T | 91   | 168 | R804 | T | 73  | 136 | R1056 | T | 182 | 177 | U202   | T | 11  | 103 |
| R117 | T | 55  | 186  | R328 | T | 27   | 36  | R440 | T    | 100 | 73  | R583 | T | 121 | 36   | R701 | T | 93   | 168 | R806 | T | 76  | 136 | R1057 | T | 139 | 175 | U203   | T | 15  | 103 |
| R118 | T | 53  | 186  | R329 | B | 70   | 25  | R441 | T    | 109 | 80  | R584 | T | 122 | 40   | R702 | T | 123  | 160 | R807 | T | 126 | 165 | R1058 | B | 143 | 35  | U204   | T | 21  | 103 |
| R119 | T | 58  | 187  | R330 | B | 67   | 22  | R442 | T    | 101 | 72  | R585 | T | 113 | 35   | R703 | T | 110  | 166 | R808 | T | 129 | 165 | R1059 | B | 143 | 42  | U205   | T | 13  | 65  |
| R122 | T | 50  | 185  | R331 | B | 77   | 22  | R500 | B    | 148 | 104 | R586 | T | 114 | 40   | R704 | T | 111  | 166 | R809 | T | 133 | 165 | R1100 | T | 132 | 92  | U206   | T | 19  | 73  |
| R123 | T | 47  | 182  | R332 | B | 81   | 20  | R501 | T    | 144 | 99  | R587 | B | 116 | 13   | R705 | T | 112  | 166 | R810 | T | 136 | 165 | R1101 | T | 142 | 98  | U207   | T | 27  | 122 |
| R124 | T | 43  | 183  | R333 | T | 84   | 58  | R502 | B    | 140 | 105 | R588 | B | 146 | 11   | R706 | T | 114  | 168 | R811 | T | 138 | 165 | R1102 | T | 135 | 100 | U300   | T | 92  | 62  |
| R125 | T | 45  | 188  | R334 | B | 77   | 24  | R503 | B    | 148 | 102 | R589 | T | 124 | 26   | R707 | T | 115  | 168 | R812 | T | 131 | 165 | R1103 | B | 136 | 100 | U301   | T | 69  | 25  |
| R126 | T | 51  | 137  | R335 | B | 67   | 21  | R505 | B    | 132 | 108 | R590 | B | 138 | 17   | R708 | T | 86   | 162 | R813 | T | 135 | 172 | R1104 | T | 132 | 99  | U302   | T | 22  | 36  |
| R127 | T | 35  | 192  | R336 | B | 81   | 19  | R506 | B    | 132 | 103 | R591 | T | 132 | 95   | R709 | T | 118  | 153 | R814 | B | 105 | 185 | R1105 | T | 132 | 99  | U303   | T | 81  | 30  |
| R128 | T | 36  | 192  | R337 | T | 27   | 33  | R507 | B    | 145 | 99  | R592 | B | 141 | 10   | R710 | T | 120  | 155 | R815 | B | 105 | 180 | R1106 | T | 132 | 99  | U400   | T | 23  | 54  |
| R131 | T | 42  | 188  | R338 | T | 86   | 64  | R508 | T    | 139 | 92  | R593 | T | 136 | 26   | R711 | T | 118  | 155 | R817 | T | 111 | 181 | R1107 | T | 132 | 99  | U401   | T | 161 | 124 |
| R132 | T | 41  | 124  | R339 | B | 176  | 14  | R509 | B    | 132 | 90  | R594 | B | 138 | 11   | R712 | T | 118  | 154 | R818 | T | 75  | 136 | R1108 | T | 132 | 99  | U600   | T | 131 | 61  |
| R133 | T | 54  | 137  | R340 | B | 176  | 16  | R510 | B    | 132 | 92  | R595 | T | 131 | 26   | R713 | T | 120  | 153 | R819 | T | 75  | 136 | R1109 | T | 132 | 99  | U601   | T | 167 | 80  |
| R134 | T | 40  | 188  | R341 | B | 51   | 98  | R511 | B    | 145 | 100 | R596 | T | 122 | 26   | R714 | T | 81   | 159 | R820 | T | 75  | 136 | R1110 | T | 132 | 99  | U602   | T | 141 | 78  |
| R137 | T | 43  | 124  | R342 | T | 33   | 34  | R512 | T    | 132 | 100 | R597 | B | 146 | 6    | R715 | T | 80   | 163 | R821 | T | 75  | 136 | R1111 | T | 132 | 99  | U700   | T | 102 | 150 |
| R200 | B | 37  | 92   | R343 | B | 169  | 15  | R513 | T    | 135 | 99  | R598 | B | 120 | 11   | R716 | T | 78   | 163 | R822 | T | 75  | 136 | R1112 | T | 132 | 99  | U701   | T | 120 | 127 |
| R201 | B | 37  | 87   | R344 | B | 169  | 16  | R514 | B    | 148 | 106 | R599 | B | 131 | 11   | R717 | T | 75   | 163 | R823 | T | 75  | 136 | R1113 | T | 132 | 99  | U800   | T | 102 | 184 |
| R202 | B | 13  | 90   | R345 | T | 39   | 62  | R515 | B    | 129 | 87  | R600 | T | 133 | 51   | R718 | T | 73   | 163 | R824 | T | 75  | 136 | R1114 | T | 132 | 99  | U801   | T | 73  | 149 |
| R203 | B | 41  | 89   | R346 | T | 39   | 59  | R516 | B    | 72  | 105 | R601 | T | 133 | 52   | R719 | T | 70   | 163 | R825 | T | 75  | 136 | R1115 | T | 132 | 99  | U802   | T | 126 | 140 |
| R204 | B | 41  | 87   | R347 | T | 33   | 59  | R517 | B    | 136 | 99  | R602 | T | 127 | 52   | R720 | T | 122  | 148 | R826 | T | 75  | 136 | R1116 | T | 132 | 99  | U900   | T | 54  | 179 |
| R205 | B | 30  | 92   | R348 | T | 34   | 62  | R518 | T    | 132 | 144 | R603 | B | 171 | 24   | R721 | T | 81   | 156 | R827 | T | 75  | 136 | R1117 | T | 132 | 99  | U901   | T | 44  | 158 |
| R206 | B | 26  | 95   | R349 | B | 49   | 64  | R519 | T    | 127 | 144 | R604 | B | 171 | 22   | R722 | T | 118  | 146 | R828 | T | 75  | 136 | R1118 | T | 132 | 99  | U902   | T | 10  | 150 |
| R207 | B | 37  | 89   | R350 | B | 53   | 64  | R520 | T    | 100 | 31  | R605 | B | 184 | 35   | R723 | T | 81   | 154 | R829 | T | 75  | 136 | R1119 | T |     |     |        |   |     |     |

## Chassisplatte / Chassis Board XZZ190R-11

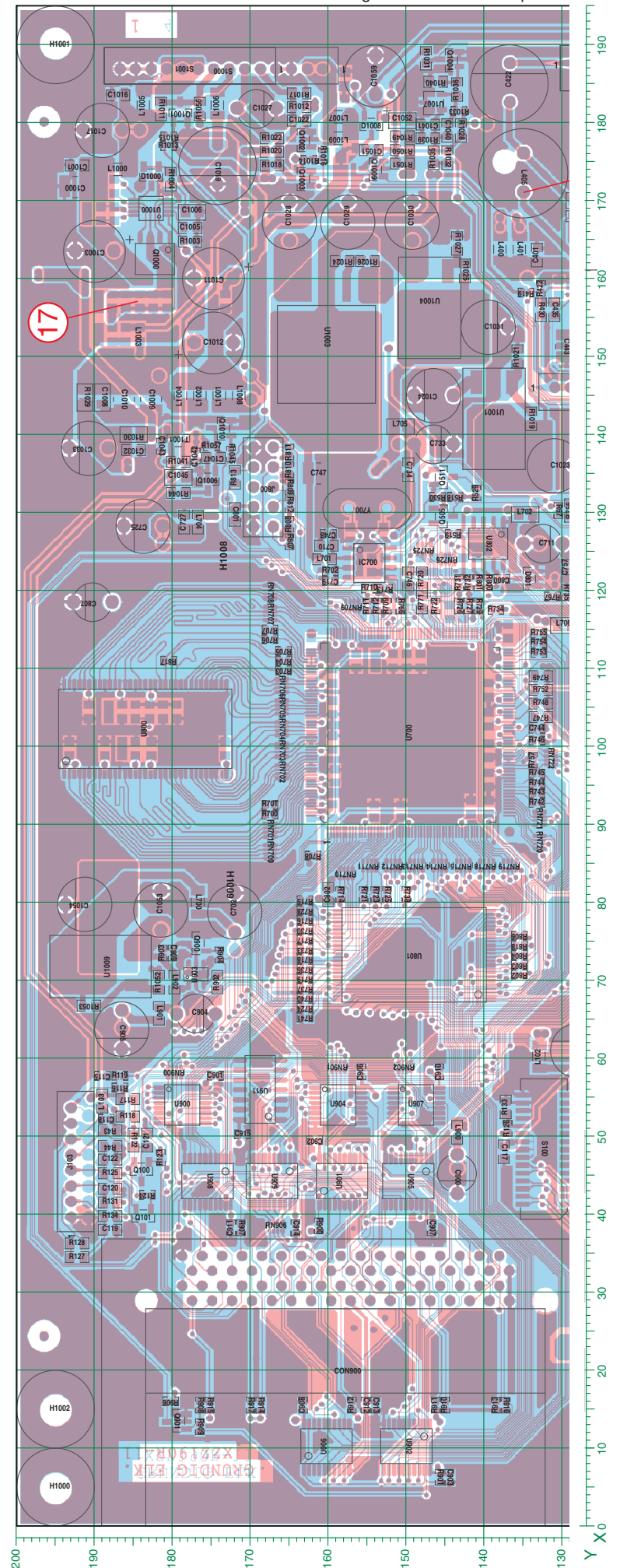
## Ansicht von der Bestückungsseite / View of Component Side



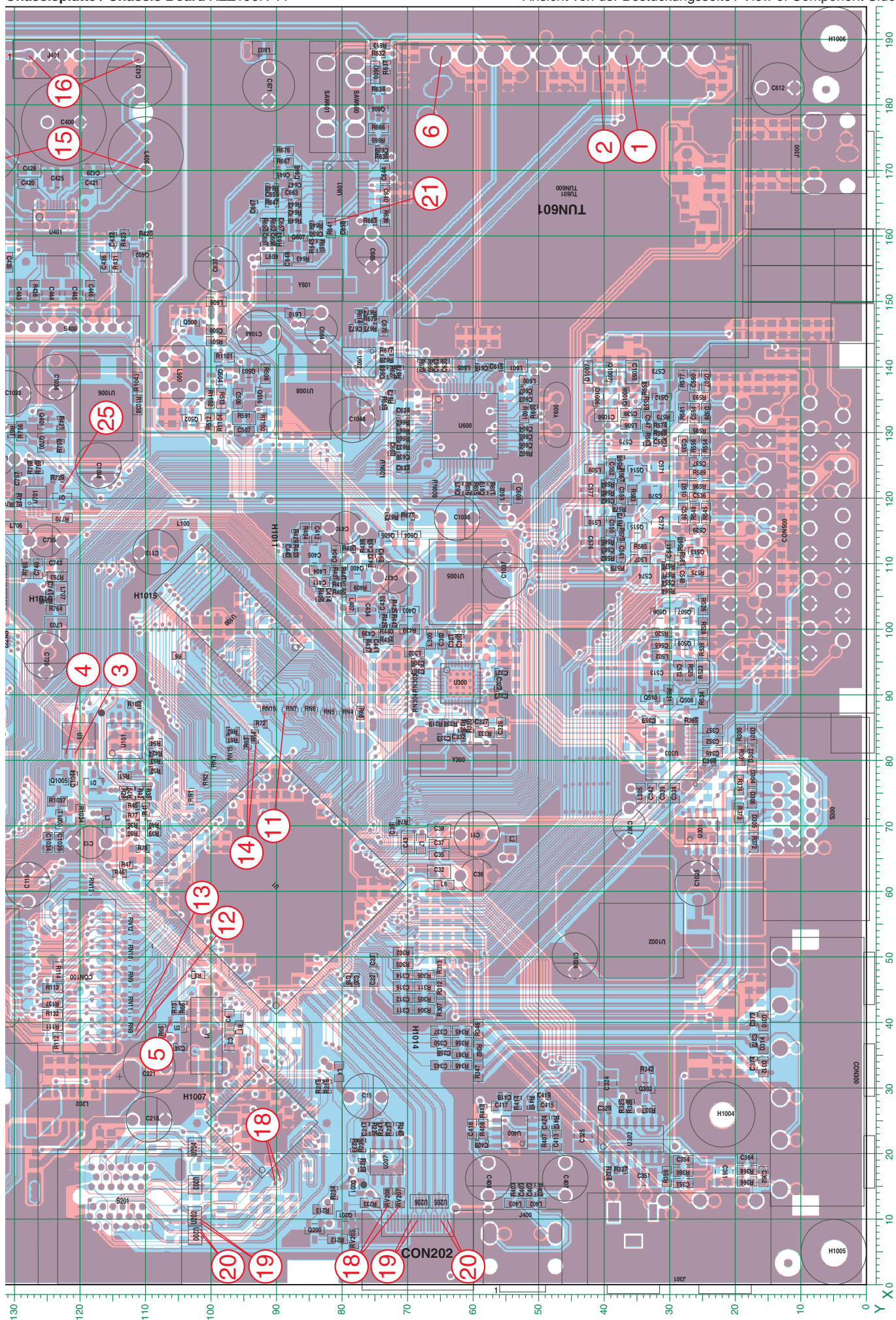


## Chassisplatte / Chassis Board XZZ190R-11

## Ansicht von der Bestückungsseite / View of Component Side



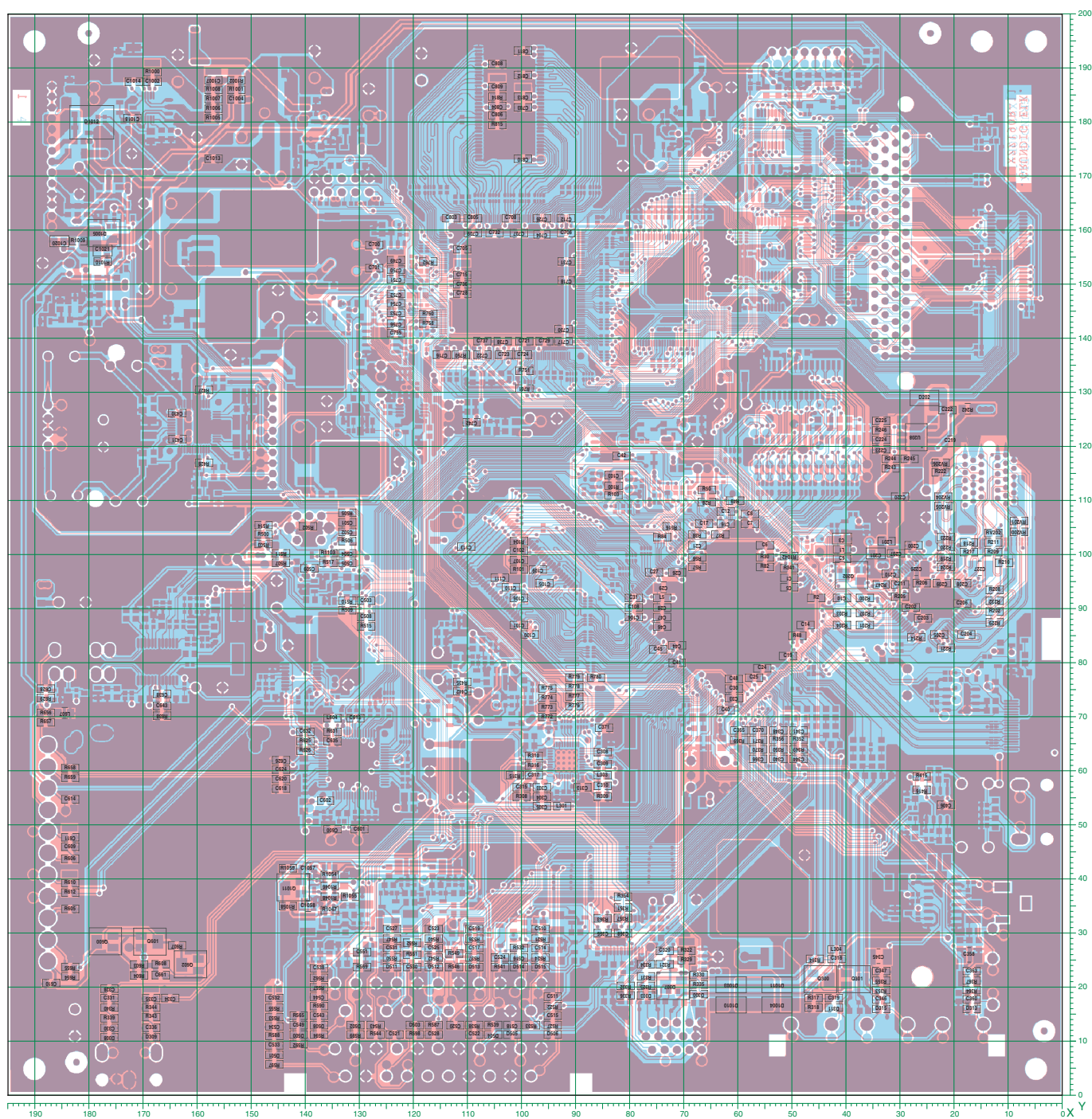
Ansicht von der Bestückungsseite / View of Component Side





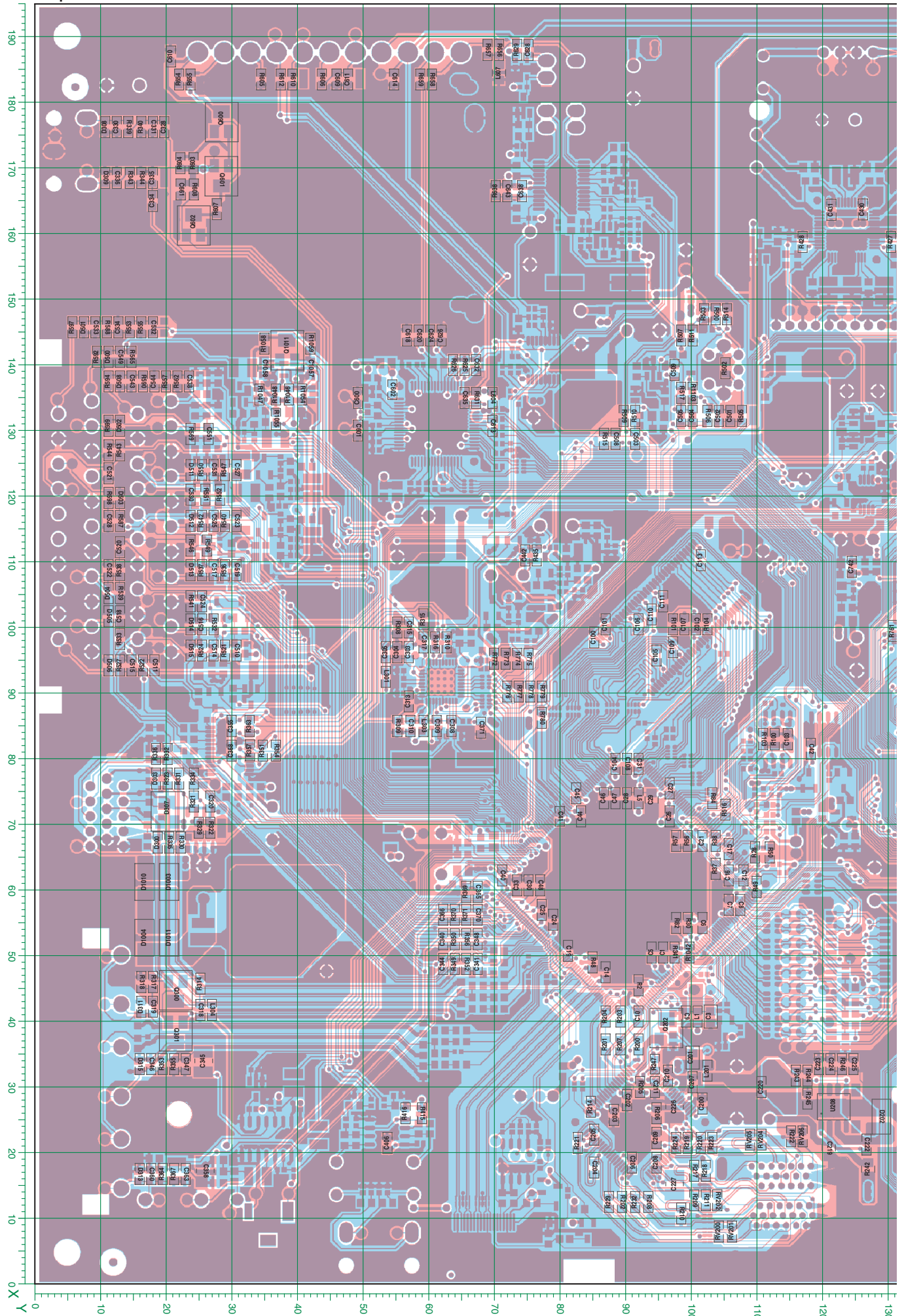
## Chassisplatte / Chassis Board XZZ190R-11

Ansicht von der Lötseite / View of Solder Side



## Chassisplatte / Chassis Board XZZ190R-11

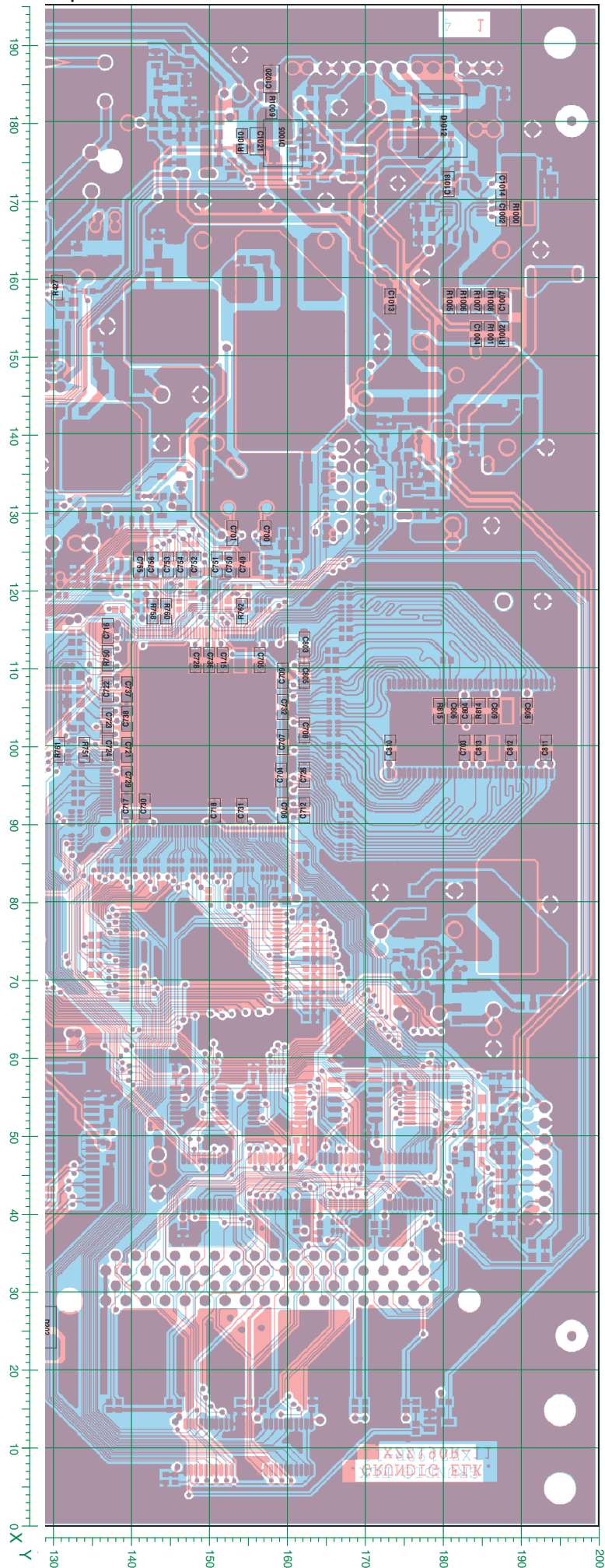
## Ansicht von der Lötseite / View of Solder Side



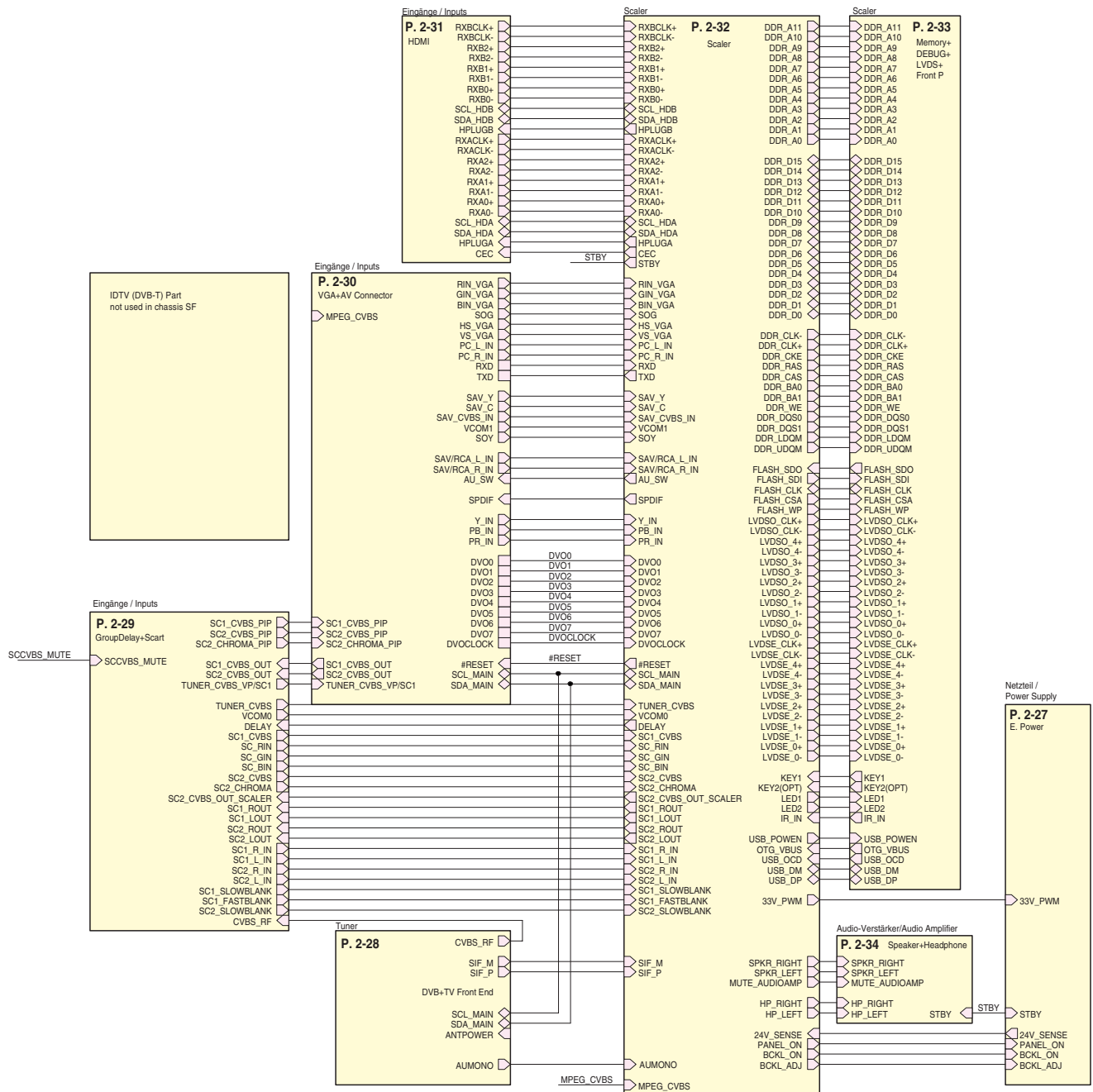


### Chassisplatte / Chassis Board XZZ190R-11

Ansicht von der Lötseite / View of Solder Side



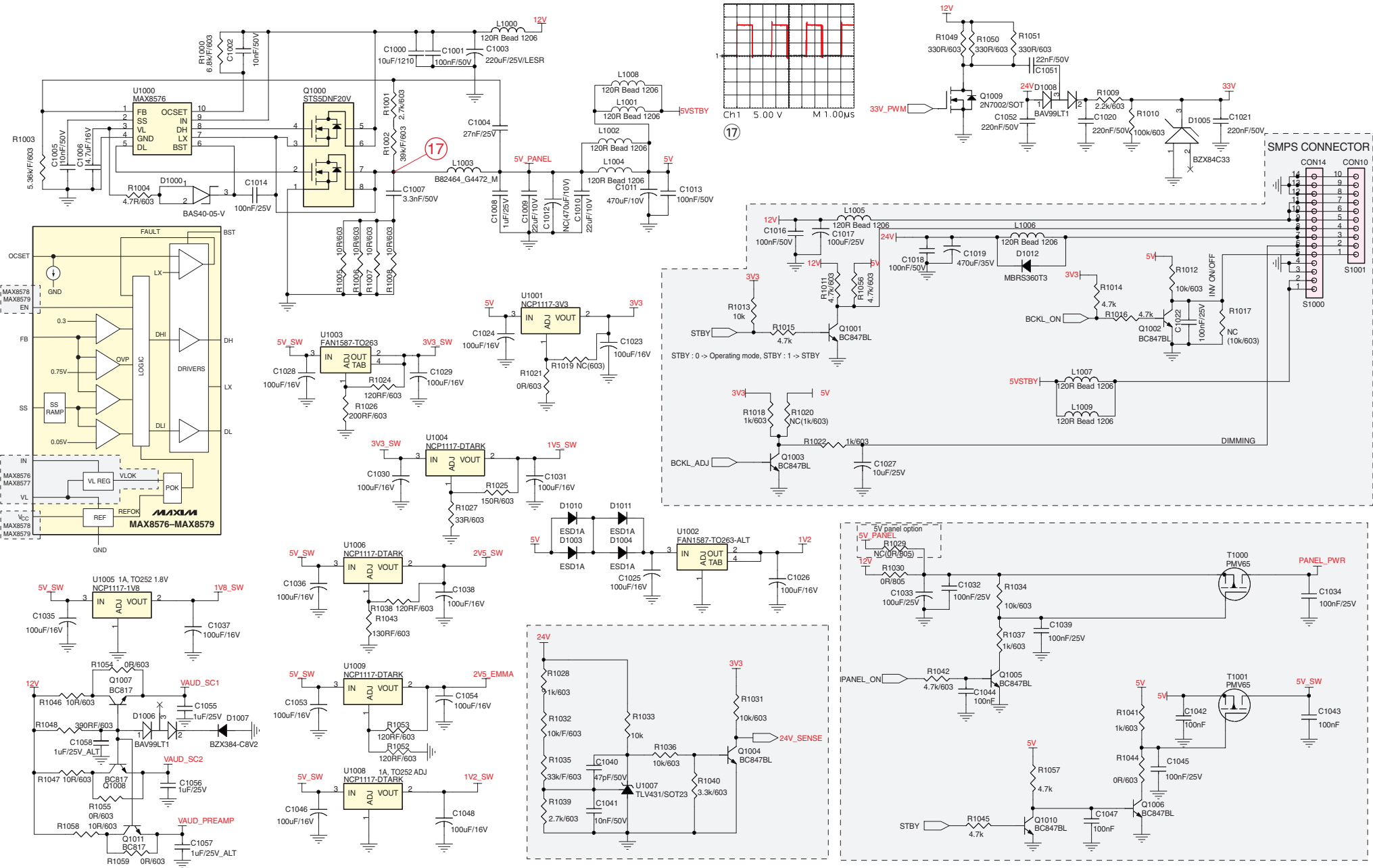
## Chassisplatte – Übersicht / Chassis Board – Overview XZZ190R-11



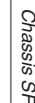


Chassisplatte – Netzteil / Chassis Board – Power Supply XZZ190R-11

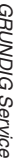
2 - 27



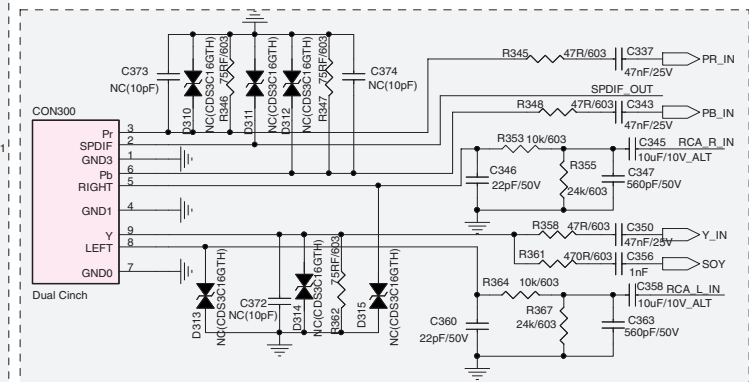
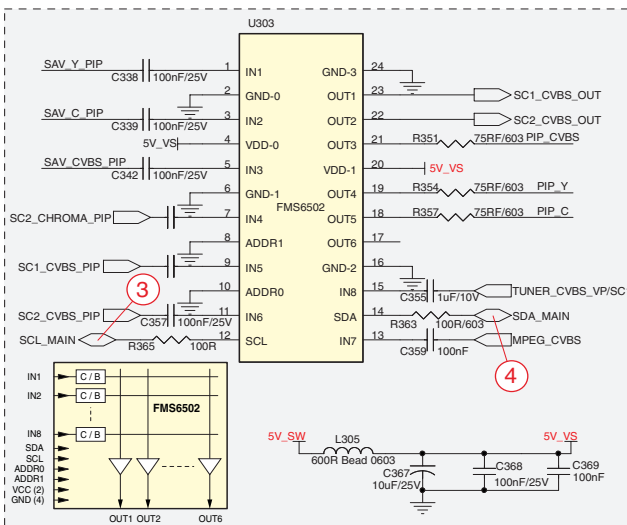
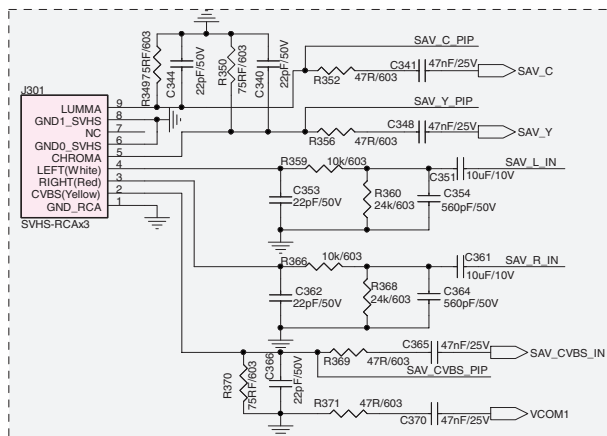
## 2 - 28



## 2 - 29

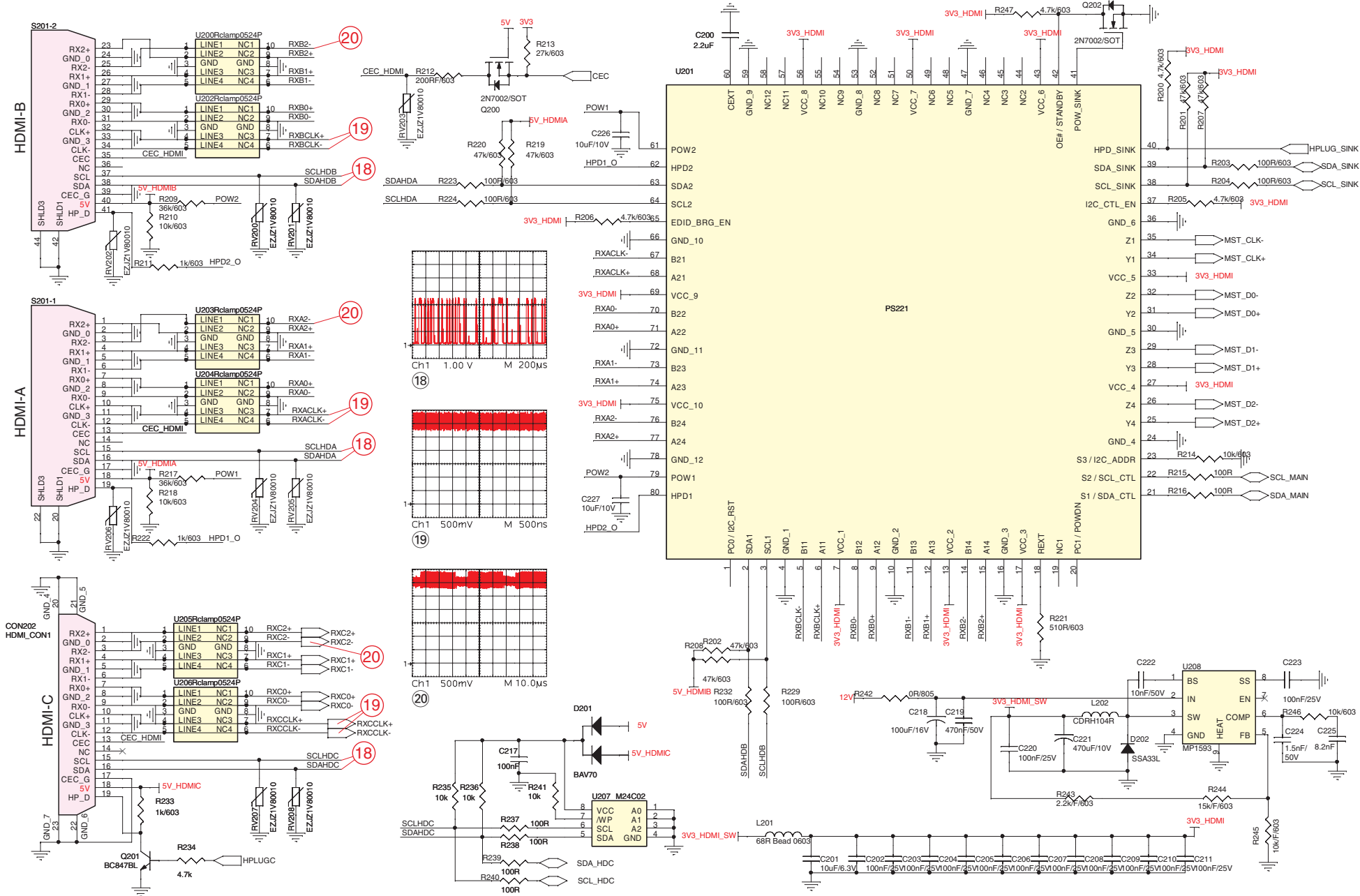


2 - 30

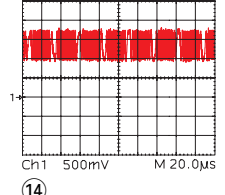
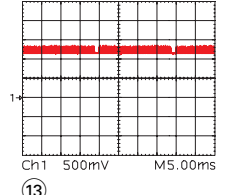
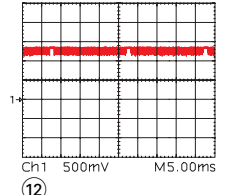
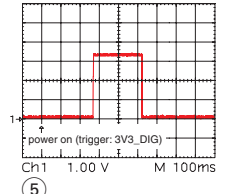
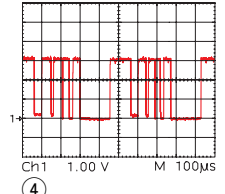
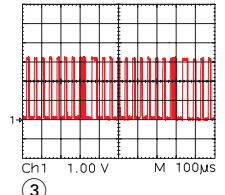
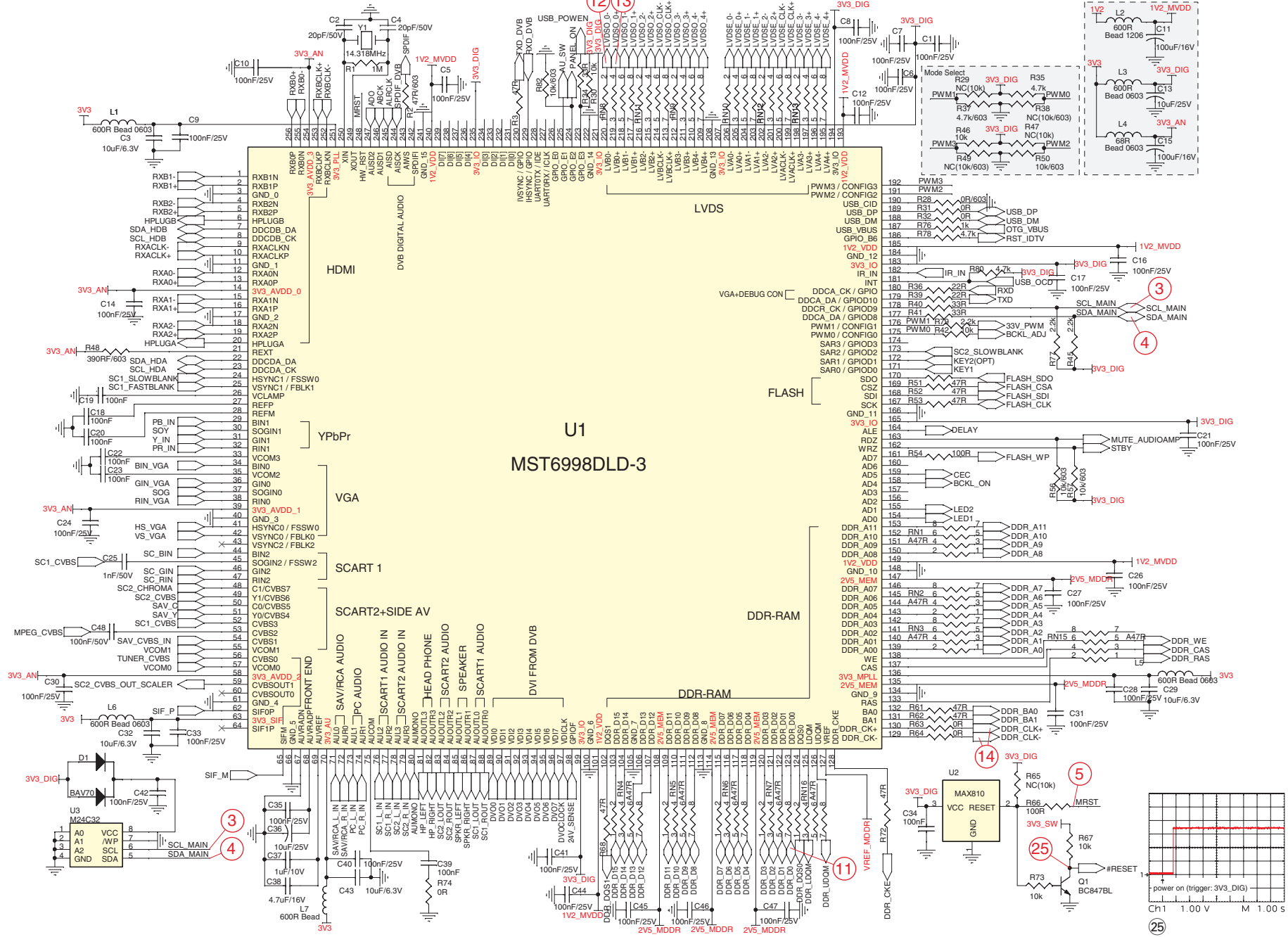


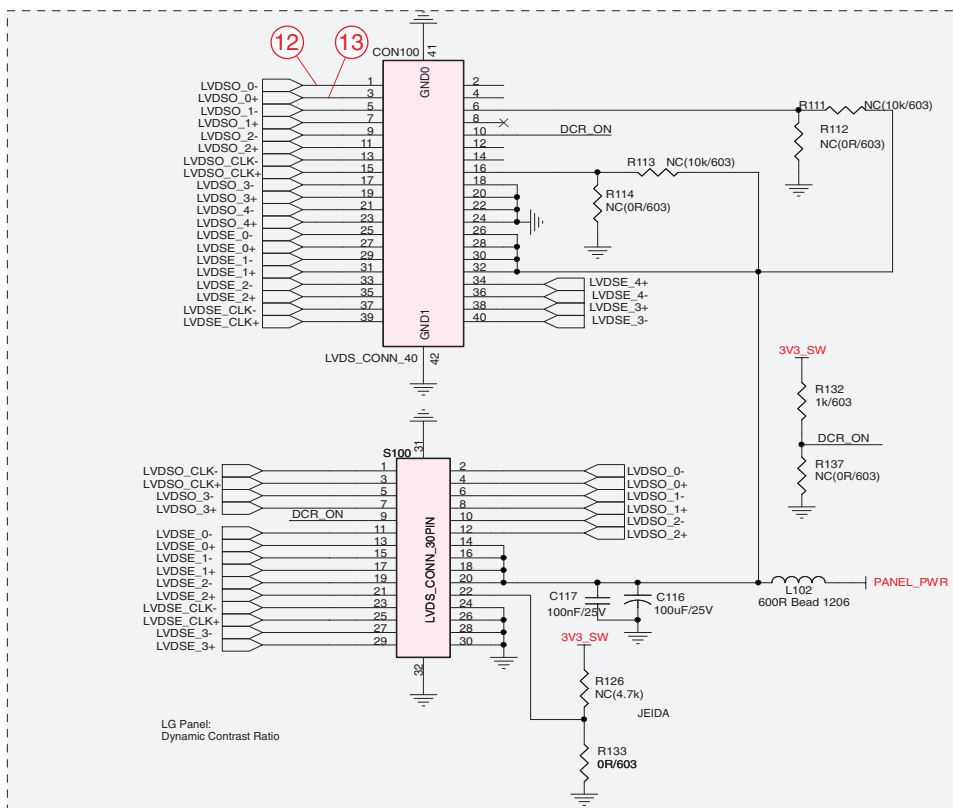
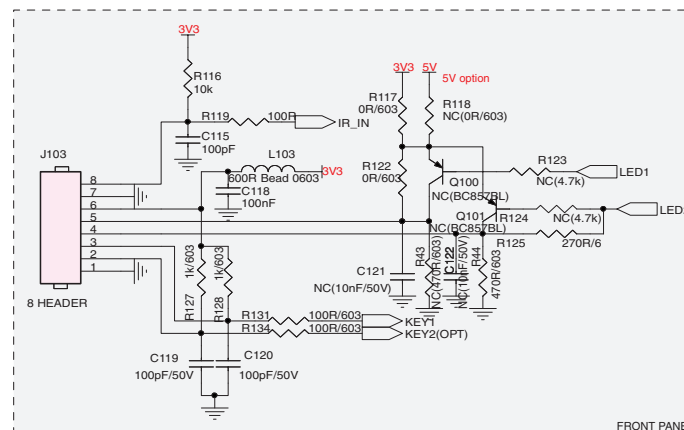
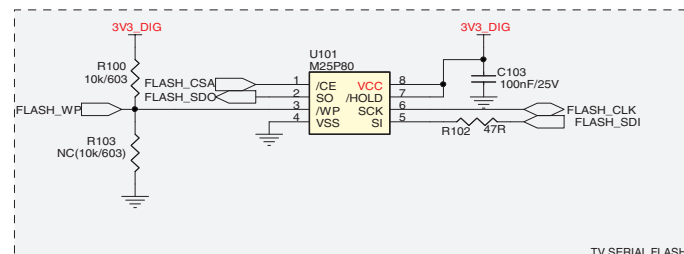


Chassisplatte / Chassis Board – HDMI XZZ190R-11

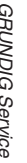


# Chassisplatte / Chassis Board – Scaler XZZ190R-11

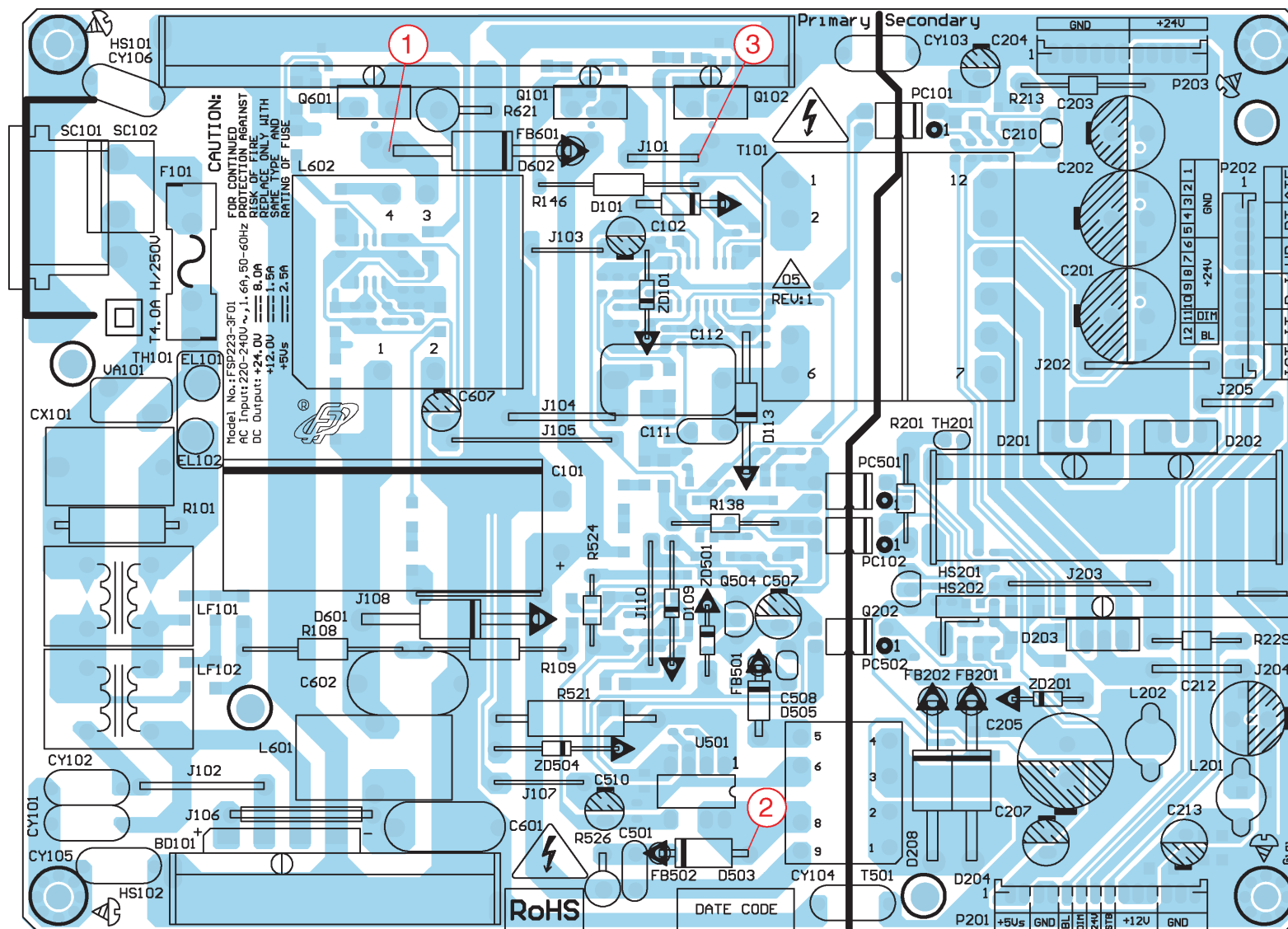


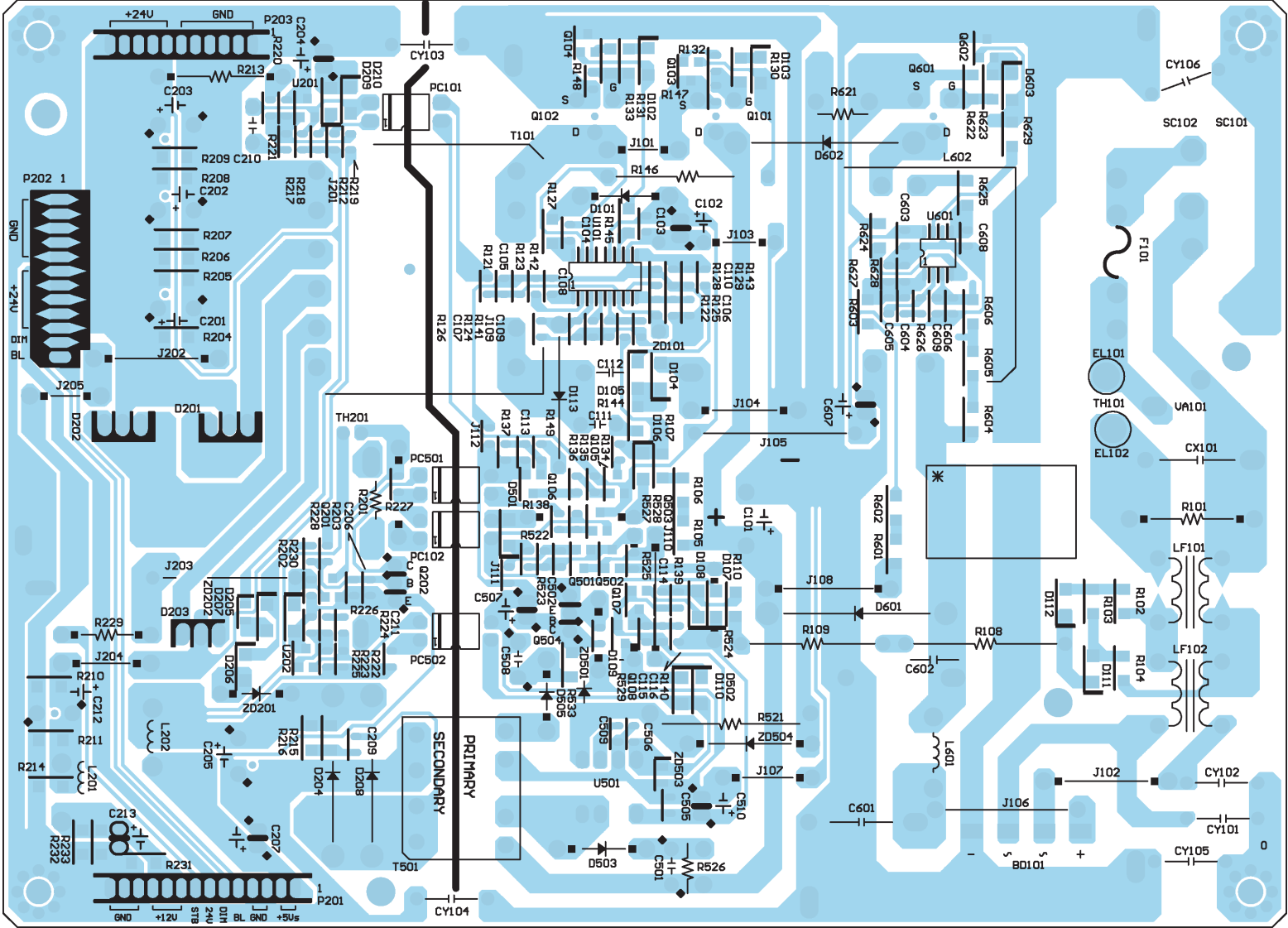


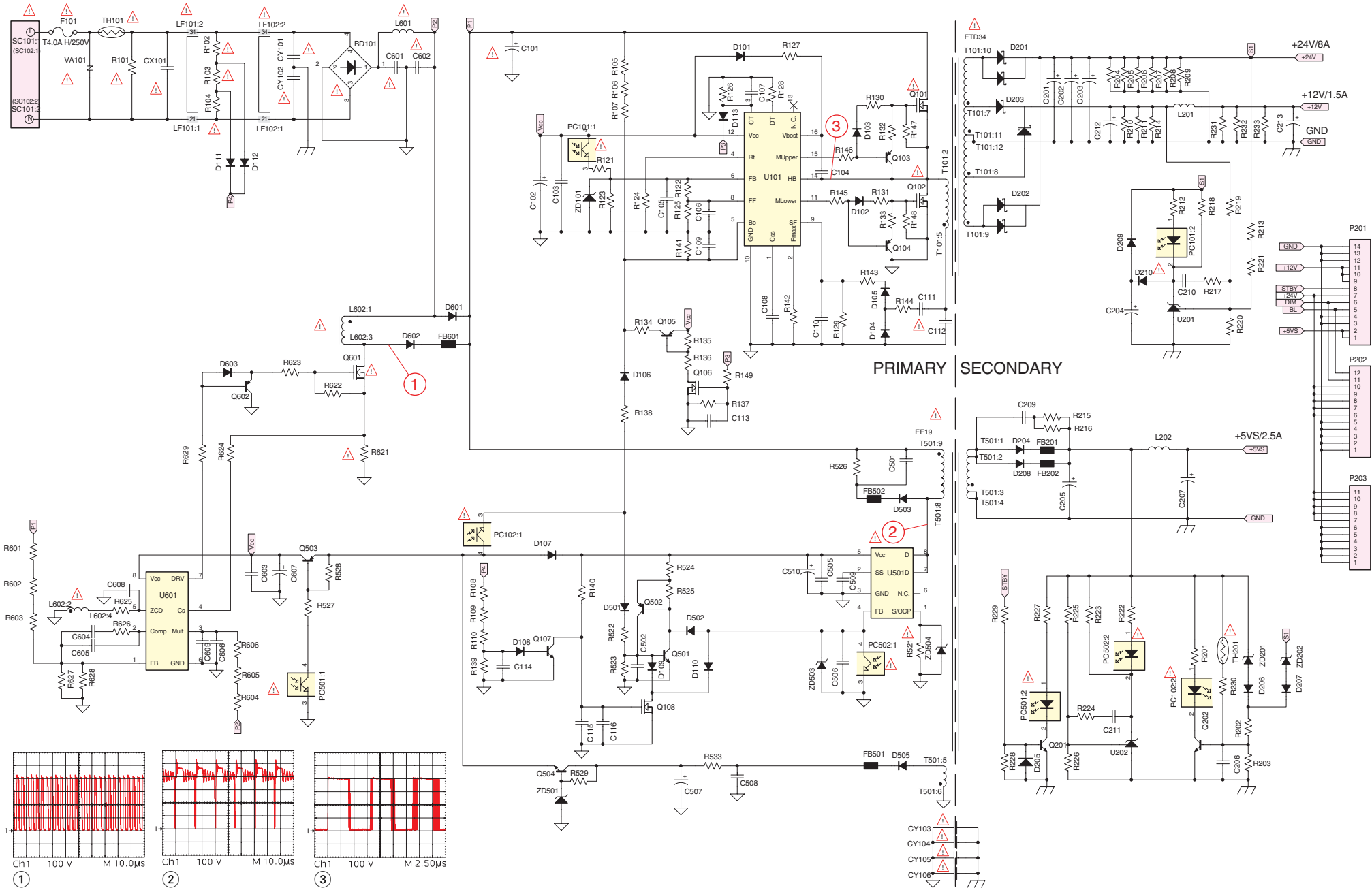
2 - 34





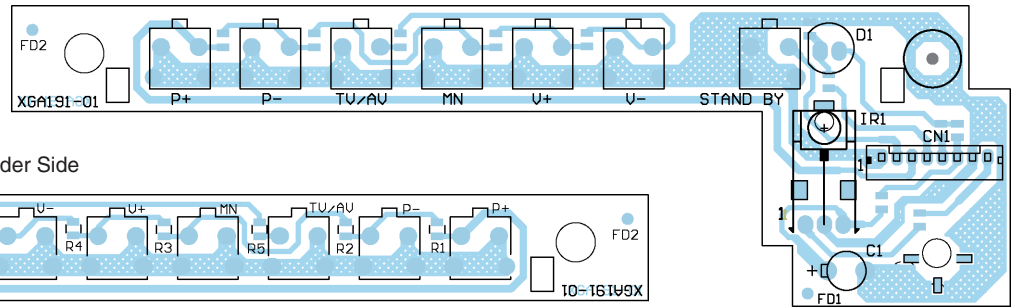




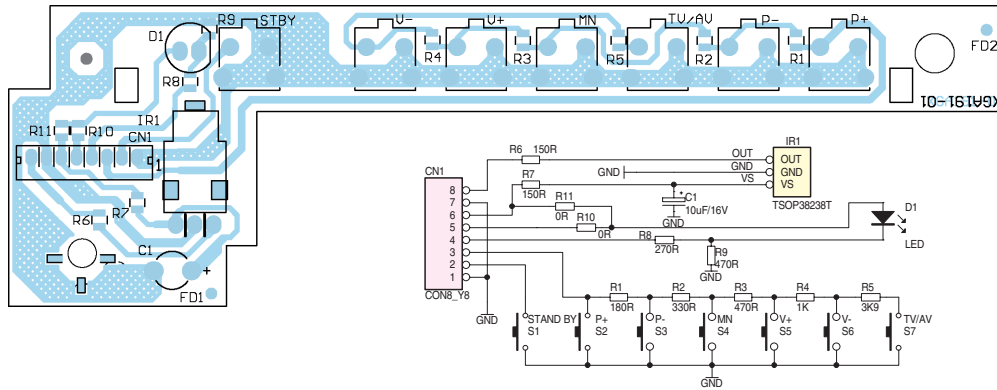


## Keyboard XGA191

Ansicht von der Bestückungsseite / View of Component Side

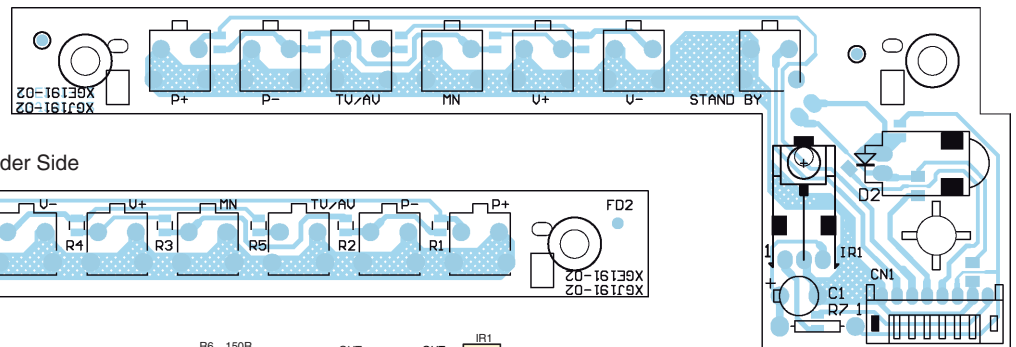


Ansicht von der Lötseite / View of Solder Side

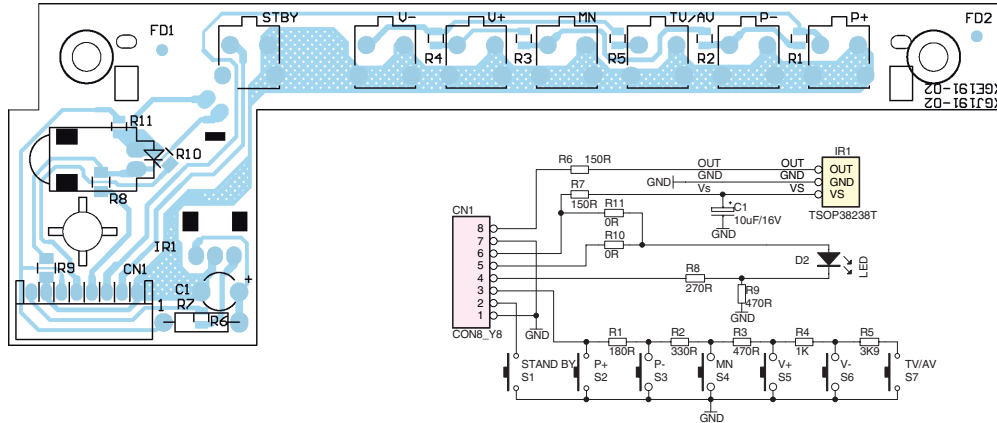


## Keyboard XGE191 / XGJ191

Ansicht von der Bestückungsseite / View of Component Side



Ansicht von der Lötseite / View of Solder Side





Ersatzteilliste  
Spare Parts ListNUR FÜR INTERNEN GEBRAUCH  
FOR INTERNAL USE ONLY

TV

12 / 2009

37 GLX 6950

BESTELL-NR. / ORDER NO.: GBH8937 (HCH)

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)                                                                                                                                                                                                                                                  | DESCRIPTION<br>(GB)                                                                                                                                                                                                                       |
|----------------------|--------------|-----------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      |              | GBH8937                     |              | 37 GLX 6950<br>PRODUKTCODE <b>HCH</b><br>KEIN E-TEIL                                                                                                                                                                                                                | 37 GLX 6950<br>PRODUCT CODE <b>HCH</b><br>NO SPARE PART                                                                                                                                                                                   |
|                      |              |                             |              | <b>Hinweis:</b><br>Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal <a href="http://service.grundig.de">"http://service.grundig.de"</a> . | <b>Note:</b><br>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 <a href="http://service.grundig.de">"http://service.grundig.de"</a> . |
| 0001.000             |              | 759551511500                |              | GEH.-VORDERTEIL SCHWARZ                                                                                                                                                                                                                                             | FRONT CABINET BLACK                                                                                                                                                                                                                       |
| 0002.000             |              | 759551457400                |              | RUECKWAND SCHWARZ                                                                                                                                                                                                                                                   | BACK COVER BLACK                                                                                                                                                                                                                          |
| 0005.000             |              | 759551511600                |              | FUSS SCHWARZ                                                                                                                                                                                                                                                        | FOOT BLACK                                                                                                                                                                                                                                |
| 0007.000             |              | 759551398000                |              | KNOPF PROG./VOL./STD-BY SCHWARZ                                                                                                                                                                                                                                     | KNOP PROG./VOL.STD-BY BLACK                                                                                                                                                                                                               |
| 0015.000             |              | 759551401200                |              | LAUTSPRECHER 10/15W 8 OHM 150X                                                                                                                                                                                                                                      | LOUDSPEAKER 10/15W 8 OHM 150X4                                                                                                                                                                                                            |
| 0016.000             |              | 759550975700                |              | HOCHTONLAUTSPRECHER 10 OHM/10W                                                                                                                                                                                                                                      | TWEETER 10 OHM/10W                                                                                                                                                                                                                        |
| 0019.000             |              | 759551484400                |              | DISPLAYHALTER*1/3/4/5                                                                                                                                                                                                                                               | DISPLAYHOLDER*1/3/4/5                                                                                                                                                                                                                     |
| 0020.000             | △            | 759551497300                |              | LCD-DISPLAY T370HW02 VB*1                                                                                                                                                                                                                                           | LCD-DISPLAY T370HW02 VB*1                                                                                                                                                                                                                 |
| 0020.000             | △            | 759551509000                |              | LCD-DISPLAY T370HW02 VB01*2                                                                                                                                                                                                                                         | LCD-DISPLAY T370HW02 VB01*2                                                                                                                                                                                                               |
| 0020.000             | △            | 759551476900                |              | LCD-DISPLAY T370HW02 V2-NM*3/5                                                                                                                                                                                                                                      | LCD-DISPLAY T370HW02 V2-NM*3/5                                                                                                                                                                                                            |
| 0020.000             | △            | 759551497300                |              | LCD-DISPLAY T370HW02 VB*4                                                                                                                                                                                                                                           | LCD-DISPLAY T370HW02 VB*4                                                                                                                                                                                                                 |
| 0021.000             |              | 759551466700                |              | KABEL DISPLAY - LVDS*1/2/4                                                                                                                                                                                                                                          | CABLE DISPLAY - LVDS*1/2/4                                                                                                                                                                                                                |
| 0021.000             |              | 759551428100                |              | KABEL DISPLAY - LVDS*3/5                                                                                                                                                                                                                                            | CABLE DISPLAY - LVDS*3/5                                                                                                                                                                                                                  |
| 0022.000             | △            | 759551350200                |              | NETZKABEL 150 CM                                                                                                                                                                                                                                                    | POWER CABLE 150 CM                                                                                                                                                                                                                        |
| 0023.000             | △            | 275990307400                |              | LP-NETZTEILMODUL GND AC2FSP223-3F01                                                                                                                                                                                                                                 | POWER SUPPLY GND AC2FSP223-3F01                                                                                                                                                                                                           |
| 0025.000             | △            | 275991075800                | X            | LP-CHASSISMODUL SF (CCB)*1                                                                                                                                                                                                                                          | LP-CHASSISBOARD SF (CCB)*1                                                                                                                                                                                                                |
| 0025.000             | △            | 275991075900                | X            | LP-CHASSISMODUL SF (HCH)*2                                                                                                                                                                                                                                          | LP-CHASSISBOARD SF (HCH)*2                                                                                                                                                                                                                |
| 0025.000             | △            | 275991075700                | X            | LP-CHASSISMODUL SF (BHR)*3                                                                                                                                                                                                                                          | LP-CHASSISBOARD SF (BHR)*3                                                                                                                                                                                                                |
| 0025.000             | △            | 275991087500                | X            | LP-CHASSISMODUL SF (CBH)*4                                                                                                                                                                                                                                          | LP-CHASSISBOARD SF (CBH)*4                                                                                                                                                                                                                |
| 0025.000             | △            | 275991087600                | X            | LP-CHASSISMODUL SF (BBA)*5                                                                                                                                                                                                                                          | LP-CHASSISBOARD SF (BBA)*5                                                                                                                                                                                                                |
| 0027.000             |              | 720117142700                |              | FERNBEDIENUNG TP2 SILBER                                                                                                                                                                                                                                            | REMOTE CONTROL TP2 SILVER                                                                                                                                                                                                                 |
| 0029.000             |              | 759551504200                |              | IR-EMPAFAENGER TSOP38438                                                                                                                                                                                                                                            | IR RECEIVER TSOP38438                                                                                                                                                                                                                     |
| 0030.000             |              | 759550451400                |              | TASTSCHALTER                                                                                                                                                                                                                                                        | KEY SWITCH                                                                                                                                                                                                                                |
| 0090.000             |              | 759551421900                |              | KARTON                                                                                                                                                                                                                                                              | CARTON                                                                                                                                                                                                                                    |
| 0091.000             |              | 759551399200                |              | POLSTER OBEN LINKS/RECHTS                                                                                                                                                                                                                                           | CUSHION TOP LEFT/RIGHT                                                                                                                                                                                                                    |
| 0092.000             |              | 759551399300                |              | POLSTER BODEN LINKS/RECHTS                                                                                                                                                                                                                                          | CUSHION BOTTOM LEFT/RIGHT                                                                                                                                                                                                                 |
| 0093.000             |              | 759551402700                |              | POLSTER BODEN MITTE                                                                                                                                                                                                                                                 | CUSHION BOTTOM CENTER                                                                                                                                                                                                                     |
|                      |              |                             |              | 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.COM MENU: DOWNLOADS                                                                                                                   |
|                      |              | 72010052000<br>720108000001 |              | SERVICE MANUAL D/GB<br>SICHERHEITSMANUAL D/GB/E/F/I                                                                                                                                                                                                                 | SERVICE MANUAL D/GB<br>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 ListNUR FÜR INTERNEN GEBRAUCH  
FOR INTERNAL USE ONLY

TV

10 / 2009

VISION 4 40-4950

BESTELL-NR. / ORDER NO.: GBH7040 (GWX)

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER  | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)                                                                                                                                                                                                                                                  | DESCRIPTION<br>(GB)                                                                                                                                                                                                                       |
|----------------------|--------------|------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      |              | GBH7040                      |              | VISION 4 40-4950<br>PRODUKTCODE <b>GWX</b><br>KEIN E-TEIL                                                                                                                                                                                                           | VISION 4 40-4950<br>PRODUCT CODE <b>GWX</b><br>NO SPARE PART                                                                                                                                                                              |
|                      |              |                              |              | <b>Hinweis:</b><br>Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal <a href="http://service.grundig.de">"http://service.grundig.de"</a> . | <b>Note:</b><br>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 <a href="http://service.grundig.de">"http://service.grundig.de"</a> . |
| 0001.000             |              | 759551508400                 |              | GEH.- VORDERTEIL SCHWARZ/SILBE                                                                                                                                                                                                                                      | FRONT CABINET BLACK/SILVER                                                                                                                                                                                                                |
| 0002.000             |              | 759551508500                 |              | RUECKWAND SCHWARZ                                                                                                                                                                                                                                                   | BACK COVER BLACK                                                                                                                                                                                                                          |
| 0005.000             |              | 759551508300                 |              | SCHWENKFUSS SCHWARZ                                                                                                                                                                                                                                                 | SWIVEL FOOT BLACK                                                                                                                                                                                                                         |
| 0007.000             |              | 759551424900                 |              | KNOPF PROG./VOL./STD-BY SILBER                                                                                                                                                                                                                                      | KNOP PROG./VOL.STD-BY SILVER                                                                                                                                                                                                              |
| 0015.000             |              | 759551401200                 |              | LAUTSPRECHER 10/15W 8 OHM 150X                                                                                                                                                                                                                                      | LOUDSPEAKER 10/15W 8 OHM 150X4                                                                                                                                                                                                            |
| 0016.000             |              | 759550975700                 |              | HOCHTONLAUTSPRECHER 10 OHM                                                                                                                                                                                                                                          | TWEETER 10 OHM / 10 W                                                                                                                                                                                                                     |
| 0020.000             | △            | 759551508800                 |              | LCD-DISPLAY LTA400HT-L03*1                                                                                                                                                                                                                                          | LCD-DISPLAY LTA400HT-L03*1                                                                                                                                                                                                                |
| 0020.000             | △            | 759551508900                 |              | LCD-DISPLAY LTA400HA07-DO3*2                                                                                                                                                                                                                                        | LCD-DISPLAY LTA400HA07-DO3*2                                                                                                                                                                                                              |
| 0020.000             | △            | 759551508700                 |              | LCD-DISPLAY LTA400HA10-C02*3                                                                                                                                                                                                                                        | LCD-DISPLAY LTA400HA10-C02*3                                                                                                                                                                                                              |
| 0021.000             |              | 759551466700                 |              | KABEL DISPLAY-LVDS                                                                                                                                                                                                                                                  | CABLE DISPLAY-LVDS                                                                                                                                                                                                                        |
| 0022.000             | △            | 759551350200                 |              | NETZKABEL 150 CM                                                                                                                                                                                                                                                    | POWER CABLE 150 CM                                                                                                                                                                                                                        |
| 0023.000             | △            | 275990308800                 |              | LP-NETZTEILMODUL FSP361-3F01                                                                                                                                                                                                                                        | POWER SUPPLY BOARD FSP361-3F01                                                                                                                                                                                                            |
| 0025.000             | △            | 275991074700                 | X            | LP-CHASSISMODUL SF (BNC)*1                                                                                                                                                                                                                                          | CHASSIS BOARD SF (BNC)*1                                                                                                                                                                                                                  |
| 0025.000             | △            | 275991074800                 | X            | LP-CHASSISMODUL SF (ENH)*2                                                                                                                                                                                                                                          | CHASSIS BOARD SF (ENH)*2                                                                                                                                                                                                                  |
| 0025.000             | △            | 275991074600                 | X            | LP-CHASSISMODUL SF (GWX)*3                                                                                                                                                                                                                                          | CHASSIS BOARD SF (GWX)*3                                                                                                                                                                                                                  |
| 0027.000             |              | 720117142700                 |              | FERNBEDIENUNG TP2 SILBER                                                                                                                                                                                                                                            | REMOTE CONTROL TP2 SILVER                                                                                                                                                                                                                 |
| 0029.000             |              | 759551504200                 |              | IR-EMPAFAENGER TSOP38438                                                                                                                                                                                                                                            | IR RECEIVER TSOP38438                                                                                                                                                                                                                     |
| 0030.000             |              | 759550451400                 |              | TASTSCHALTER                                                                                                                                                                                                                                                        | KEY SWITCH                                                                                                                                                                                                                                |
| 0090.000             |              | 759551490600                 |              | KARTON                                                                                                                                                                                                                                                              | CARTON                                                                                                                                                                                                                                    |
| 0091.000             |              | 759551398200                 |              | POLSTER OBEN LINKS/RECHTS                                                                                                                                                                                                                                           | CUSHION TOP LEFT/RIGHT                                                                                                                                                                                                                    |
| 0092.000             |              | 759551398300                 |              | POLSTER BODEN LINKS/RECHTS                                                                                                                                                                                                                                          | CUSHION BOTTOM LEFT/RIGHT                                                                                                                                                                                                                 |
| 0093.000             |              | 759551403600                 |              | POLSTER BODEN MITTE                                                                                                                                                                                                                                                 | CUSHION BOTTOM CENTER                                                                                                                                                                                                                     |
|                      |              |                              |              | 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.COM MENU: DOWNLOADS                                                                                                                   |
|                      |              | 720100549000<br>720108000001 |              | SERVICE MANUAL D/GB<br>SICHERHEITSMANUAL D/GB/E/F/I                                                                                                                                                                                                                 | SERVICE MANUAL D/GB<br>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

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LP-CHASSISMODUL SF  
CHASSIS BOARD SF

MATERIAL-NR. / PART NO.: 275991074600

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)       | DESCRIPTION<br>(GB)   |
|----------------------|--------------|-----------------------------|--------------|--------------------------|-----------------------|
|                      | △            | 275991074600                |              | LP-CHASSISMODUL SF (GWX) | CHASSISBOARD SF (GWX) |

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| CON 200              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 1001               | 759551050800                | IC NCP 1117 DT 33 RK        |
| CON 201              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 1002               | 759551251600                | IC-CHIP FAN1587AMX          |
| CON 500              | 759551360600                | SCART BUCHSE DOPPELT SLIM 3 | U 1003               | 759551251600                | IC-CHIP FAN1587AMX          |
|                      |                             |                             | U 1005               | 759551114600                | IC NCP1117DT18RK            |
| D 1006               | 759530510400                | DIODE BAV 99                | U 1006               | 759551508600                | IC-CHIP AP1117DG-13         |
| D 1007               | 759551168600                | DIODE-CHIP BZX384-C8V2 300M | U 1007               | 759551331400                | TLV431B ADJ SHUNT REG SOT I |
| D 1008               | 759530510400                | DIODE BAV 99                |                      |                             |                             |
| J 300                | 759551411500                | KOPFHOERERBUCHSE            | Y 001                | 759880544700                | QUARZ 14.31818 MHZ          |
| J 400                | 759551411500                | KOPFHOERERBUCHSE            | Y 300                | 759551411700                | QUARZ Q 28.636363-SMU4-20-3 |
|                      |                             |                             | Y 601                | 759551376200                | QUARZ-CHIP 4MHZ SMXA120E HC |
| L 603                | 759550975200                | SPULE 10 UH                 |                      |                             |                             |
| L 607                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| L 609                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| Q 604                | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 605                | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 1009               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| S 300                | 759551313000                | BUCHSE VGA B10B             |                      |                             |                             |
| SAW 600              | 759550921100                | FILTER OFW K9656M           |                      |                             |                             |
| SAW 601              | 759550458000                | FILTER OFW K3958M           |                      |                             |                             |
| T 1000               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| T 1001               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| TUN 601              | 759551411600                | TUNER PHILIPS UV1316/ADH-4  |                      |                             |                             |
| U 001                | 759551479700                | IC-SMD MST69981DLD-LF-1-S1  |                      |                             |                             |
| U 002                | 759551268200                | IC-CHIP MAX810STRG SOT23 RE |                      |                             |                             |
| U 003                | 759551500500                | IC-SMD R1EX24032ASAS0A#S0 S |                      |                             |                             |
| U 100                | 759551479800                | IC-SMD HY5DU281622FTP-4-C T |                      |                             |                             |
| U 200                | 759551467300                | IC -CHIP M24C02 - WMN6TP (2 |                      |                             |                             |
| U 201                | 759551467300                | IC -CHIP M24C02 - WMN6TP (2 |                      |                             |                             |
| U 300                | 759551411800                | IC-SMD ADV7180BCPZ-REEL LFC |                      |                             |                             |
| U 301                | 759551500700                | IC-SMD R1EX24008ASAS0A#S0 S |                      |                             |                             |
| U 302                | 759551268500                | IC-CHIP 74HC4052D SO16      |                      |                             |                             |
| U 303                | 759551411300                | IC-SMD FMS6502MTC24X TSSOP2 |                      |                             |                             |
| U 400                | 759551114300                | IC TDA 1308T/N2 SO-G8 (T&R) |                      |                             |                             |
| U 401                | 759551467900                | IC-SMD R2A15112FP#W00T HTQF |                      |                             |                             |
| U 601                | 759551375700                | IC-CHIP TDA9886TS/V4 (SSOP  |                      |                             |                             |

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 SF  
CHASSIS BOARD SF

MATERIAL-NR. / PART NO.: 275991074700

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)       | DESCRIPTION<br>(GB)   |
|----------------------|--------------|-----------------------------|--------------|--------------------------|-----------------------|
|                      | △            | 275991074700                |              | LP-CHASSISMODUL SF (BNC) | CHASSISBOARD SF (BNC) |

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| CON 200              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 1001               | 759551050800                | IC NCP 1117 DT 33 RK        |
| CON 201              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 1002               | 759551251600                | IC-CHIP FAN1587AMX          |
| CON 500              | 759551360600                | SCART BUCHSE DOPPELT SLIM 3 | U 1003               | 759551251600                | IC-CHIP FAN1587AMX          |
|                      |                             |                             | U 1005               | 759551114600                | IC NCP1117DT18RK            |
| D 1006               | 759530510400                | DIODE BAV 99                | U 1006               | 759551508600                | IC-CHIP AP1117DG-13         |
| D 1007               | 759551168600                | DIODE-CHIP BZX384-C8V2 300M | U 1007               | 759551331400                | TLV431B ADJ SHUNT REG SOT I |
| D 1008               | 759530510400                | DIODE BAV 99                |                      |                             |                             |
| J 300                | 759551411500                | KOPFHOERERBUCHSE            | Y 001                | 759880544700                | QUARZ 14.31818 MHZ          |
| J 400                | 759551411500                | KOPFHOERERBUCHSE            | Y 300                | 759551411700                | QUARZ Q 28.636363-SMU4-20-3 |
|                      |                             |                             | Y 601                | 759551376200                | QUARZ-CHIP 4MHZ SMXA120E HC |
| L 603                | 759550975200                | SPULE 10 UH                 |                      |                             |                             |
| L 607                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| L 609                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| Q 604                | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 605                | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 1009               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| S 300                | 759551313000                | BUCHSE VGA B10B             |                      |                             |                             |
| SAW 600              | 759550921100                | FILTER OFW K9656M           |                      |                             |                             |
| SAW 601              | 759550458000                | FILTER OFW K3958M           |                      |                             |                             |
| T 1000               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| T 1001               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| TUN 601              | 759551411600                | TUNER PHILIPS UV1316/ADH-4  |                      |                             |                             |
| U 001                | 759551479700                | IC-SMD MST69981DLD-LF-1-S1  |                      |                             |                             |
| U 002                | 759551268200                | IC-CHIP MAX810STRG SOT23 RE |                      |                             |                             |
| U 003                | 759551500500                | IC-SMD R1EX24032ASAS0A#S0 S |                      |                             |                             |
| U 100                | 759551479800                | IC-SMD HY5DU281622FTP-4-C T |                      |                             |                             |
| U 200                | 759551467300                | IC -CHIP M24C02 - WMN6TP (2 |                      |                             |                             |
| U 201                | 759551467300                | IC -CHIP M24C02 - WMN6TP (2 |                      |                             |                             |
| U 300                | 759551411800                | IC-SMD ADV7180BCPZ-REEL LFC |                      |                             |                             |
| U 301                | 759551500700                | IC-SMD R1EX24008ASAS0A#S0 S |                      |                             |                             |
| U 302                | 759551268500                | IC-CHIP 74HC4052D SO16      |                      |                             |                             |
| U 303                | 759551411300                | IC-SMD FMS6502MTC24X TSSOP2 |                      |                             |                             |
| U 400                | 759551114300                | IC TDA 1308T/N2 SO-G8 (T&R) |                      |                             |                             |
| U 401                | 759551467900                | IC-SMD R2A15112FP#W00T HTQF |                      |                             |                             |
| U 601                | 759551375700                | IC-CHIP TDA9886TS/V4 (SSOP  |                      |                             |                             |

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 SF  
CHASSIS BOARD SF

MATERIAL-NR. / PART NO.: 275991074800

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)     | DESCRIPTION<br>(GB) |
|----------------------|--------------|-----------------------------|--------------|------------------------|---------------------|
| △                    | 275991074800 | LP-CHASSISMODUL SF (ENH)    |              | CHASSIS BOARD SF (ENH) |                     |

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| CON 200              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 1001               | 759551050800                | IC NCP 1117 DT 33 RK        |
| CON 201              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 1002               | 759551251600                | IC-CHIP FAN1587AMX          |
| CON 500              | 759551360600                | SCART BUCHSE DOPPELT SLIM 3 | U 1003               | 759551251600                | IC-CHIP FAN1587AMX          |
|                      |                             |                             | U 1005               | 759551114600                | IC NCP1117DT18RK            |
| D 1006               | 759530510400                | DIODE BAV 99                | U 1006               | 759551508600                | IC-CHIP AP1117DG-13         |
| D 1007               | 759551168600                | DIODE-CHIP BZX384-C8V2 300M | U 1007               | 759551331400                | TLV431B ADJ SHUNT REG SOT I |
| D 1008               | 759530510400                | DIODE BAV 99                |                      |                             |                             |
| J 300                | 759551411500                | KOPFHOERERBUCHSE            | Y 001                | 759880544700                | QUARZ 14.31818 MHZ          |
| J 400                | 759551411500                | KOPFHOERERBUCHSE            | Y 300                | 759551411700                | QUARZ Q 28.636363-SMU4-20-3 |
|                      |                             |                             | Y 601                | 759551376200                | QUARZ-CHIP 4MHZ SMXA120E HC |
| L 603                | 759550975200                | SPULE 10 UH                 |                      |                             |                             |
| L 607                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| L 609                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| Q 604                | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 605                | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 1009               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| S 300                | 759551313000                | BUCHSE VGA B10B             |                      |                             |                             |
| SAW 600              | 759550921100                | FILTER OFW K9656M           |                      |                             |                             |
| SAW 601              | 759550458000                | FILTER OFW K3958M           |                      |                             |                             |
| T 1000               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| T 1001               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| TUN 601              | 759551411600                | TUNER PHILIPS UV1316/ADH-4  |                      |                             |                             |
| U 001                | 759551479700                | IC-SMD MST69981DLD-LF-1-S1  |                      |                             |                             |
| U 002                | 759551268200                | IC-CHIP MAX810STRG SOT23 RE |                      |                             |                             |
| U 003                | 759551500500                | IC-SMD R1EX24032ASAS0A#S0 S |                      |                             |                             |
| U 100                | 759551479800                | IC-SMD HY5DU281622FTP-4-C T |                      |                             |                             |
| U 200                | 759551467300                | IC-CHIP M24C02 - WMN6TP (2  |                      |                             |                             |
| U 201                | 759551467300                | IC-CHIP M24C02 - WMN6TP (2  |                      |                             |                             |
| U 300                | 759551411800                | IC-SMD ADV7180BCPZ-REEL LFC |                      |                             |                             |
| U 301                | 759551500700                | IC-SMD R1EX24008ASAS0A#S0 S |                      |                             |                             |
| U 302                | 759551268500                | IC-CHIP 74HC4052D SO16      |                      |                             |                             |
| U 303                | 759551411300                | IC-SMD FMS6502MTC24X TSSOP2 |                      |                             |                             |
| U 400                | 759551114300                | IC TDA 1308T/N2 SO-G8 (T&R) |                      |                             |                             |
| U 401                | 759551467900                | IC-SMD R2A15112FP#W00T HTQF |                      |                             |                             |
| U 601                | 759551375700                | IC-CHIP TDA9886TS/V4 (SSOP  |                      |                             |                             |

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 SF  
CHASSIS BOARD SF

MATERIAL-NR. / PART NO.: 275991075700

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)       | DESCRIPTION<br>(GB) |
|----------------------|--------------|-----------------------------|--------------|--------------------------|---------------------|
| △                    | 275991075700 | LP-CHASSISMODUL SF (BHR)    |              | LP-CHASSISBOARD SF (BHR) |                     |

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| CON 200              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 0601               | 759551375700                | IC-CHIP TDA9886TS/V4 (SSOP  |
| CON 201              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 1001               | 759551050800                | IC NCP 1117 DT 33 RK        |
| CON 500              | 759551360600                | SCART BUCHSE DOPPELT SLIM 3 | U 1002               | 759551251600                | IC-CHIP FAN1587AMX          |
|                      |                             |                             | U 1003               | 759551251600                | IC-CHIP FAN1587AMX          |
| D 1003               | 759551499100                | DIODE-CHIP ES1D 1A 200V U.F | U 1005               | 759551114600                | IC NCP1117DT18RK            |
| D 1004               | 759551499100                | DIODE-CHIP ES1D 1A 200V U.F | U 1006               | 759551508600                | IC-CHIP AP1117DG-13         |
| D 1006               | 759530510400                | DIODE BAV 99                | U 1007               | 759551331400                | TLV431B ADJ SHUNT REG SOT I |
| D 1007               | 759551168600                | DIODE-CHIP BZX384-C8V2 300M |                      |                             |                             |
| D 1008               | 759530510400                | DIODE BAV 99                | Y 001                | 759880544700                | QUARZ 14.31818 MHZ          |
| J 300                | 759551411500                | KOPFHOERERBUCHSE            | Y 300                | 759551411700                | QUARZ Q 28.636363-SMU4-20-3 |
| J 400                | 759551411500                | KOPFHOERERBUCHSE            | Y 601                | 759551376200                | QUARZ-CHIP 4MHZ SMXA120E HC |
| L 603                | 759550975200                | SPULE 10 UH                 |                      |                             |                             |
| L 607                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| L 609                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| Q 0604               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 0605               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 1009               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| S 300                | 759551313000                | BUCHSE VGA B10B             |                      |                             |                             |
| SAW 600              | 759550921100                | FILTER OFW K9656M           |                      |                             |                             |
| SAW 601              | 759550458000                | FILTER OFW K3958M           |                      |                             |                             |
| T 1000               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| T 1001               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| TUN 601              | 759551411600                | TUNER PHILIPS UV1316/ADH-4  |                      |                             |                             |
| U 0001               | 759551479700                | IC-SMD MST69981DLD-LF-1-S1  |                      |                             |                             |
| U 0003               | 759551500500                | IC-SMD R1EX24032ASAS0A#S0 S |                      |                             |                             |
| U 0002               | 759551268200                | IC-CHIP MAX810STRG SOT23 RE |                      |                             |                             |
| U 0100               | 759551479800                | IC-SMD HY5DU281622FTP-4-C T |                      |                             |                             |
| U 0200               | 759551467300                | IC-CHIP M24C02 - WMN6TP (2  |                      |                             |                             |
| U 0201               | 759551467300                | IC-CHIP M24C02 - WMN6TP (2  |                      |                             |                             |
| U 0300               | 759551411800                | IC-SMD ADV7180BCPZ-REEL LFC |                      |                             |                             |
| U 0301               | 759551500700                | IC-SMD R1EX24008ASAS0A#S0 S |                      |                             |                             |
| U 0302               | 759551268500                | IC-CHIP 74HC4052D SO16      |                      |                             |                             |
| U 0303               | 759551411300                | IC-SMD FMS6502MTC24X TSSOP2 |                      |                             |                             |
| U 0400               | 759551114300                | IC TDA 1308T/N2 SO-G8 (T&R) |                      |                             |                             |
| U 0401               | 759551467900                | IC-SMD R2A15112FP#W00T HTQF |                      |                             |                             |

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

12 / 2009

LP-CHASSISMODUL SF  
CHASSIS BOARD SF

MATERIAL-NR. / PART NO.: 275991075800

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)     | DESCRIPTION<br>(GB) |
|----------------------|--------------|-----------------------------|--------------|------------------------|---------------------|
| △                    | 275991075800 | LP-CHASSISMODUL SF (CCB)    |              | CHASSIS BOARD SF (CCB) |                     |

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| CON 200              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 0401               | 759551467900                | IC-SMD R2A15112FP#W00T HTQF |
| CON 201              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 0601               | 759551375700                | IC-CHIP TDA9886TS/V4 (SSOP  |
| CON 500              | 759551360600                | SCART BUCHSE DOPPELT SLIM 3 | U 1001               | 759551050800                | IC NCP 1117 DT 33 RK        |
|                      |                             |                             | U 1002               | 759551251600                | IC-CHIP FAN1587AMX          |
| D 1003               | 759551499100                | DIODE-CHIP ES1D 1A 200V U.F | U 1003               | 759551251600                | IC-CHIP FAN1587AMX          |
| D 1004               | 759551499100                | DIODE-CHIP ES1D 1A 200V U.F | U 1005               | 759551114600                | IC NCP1117DT18RK            |
| D 1006               | 759530510400                | DIODE BAV 99                | U 1006               | 759551508600                | IC-CHIP AP1117DG-13         |
| D 1007               | 759551168600                | DIODE-CHIP BZX384-C8V2 300M | U 1007               | 759551331400                | TLV431B ADJ SHUNT REG SOT I |
| D 1008               | 759530510400                | DIODE BAV 99                |                      |                             |                             |
| J 300                | 759551411500                | KOPFHOERERBUCHSE            | Y 001                | 759880544700                | QUARZ 14.31818 MHZ          |
| J 400                | 759551411500                | KOPFHOERERBUCHSE            | Y 300                | 759551411700                | QUARZ Q 28.636363-SMU4-20-3 |
|                      |                             |                             | Y 601                | 759551376200                | QUARZ-CHIP 4MHZ SMXA120E HC |
| L 603                | 759550975200                | SPULE 10 UH                 |                      |                             |                             |
| L 607                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| L 609                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| Q 0604               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 0605               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 1009               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| S 300                | 759551313000                | BUCHSE VGA B10B             |                      |                             |                             |
| SAW 600              | 759550921100                | FILTER OFW K9656M           |                      |                             |                             |
| SAW 601              | 759550458000                | FILTER OFW K3958M           |                      |                             |                             |
| T 1000               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| T 1001               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| TUN 601              | 759551411600                | TUNER PHILIPS UV1316/ADH-4  |                      |                             |                             |
| U 0001               | 759551479700                | IC-SMD MST69981DLD-LF-1-S1  |                      |                             |                             |
| U 0003               | 759551500500                | IC-SMD R1EX24032ASAS0A#S0 S |                      |                             |                             |
| U 0002               | 759551268200                | IC-CHIP MAX810STRG SOT23 RE |                      |                             |                             |
| U 0100               | 759551479800                | IC-SMD HY5DU281622FTP-4-C T |                      |                             |                             |
| U 0200               | 759551467300                | IC-CHIP M24C02 - WMN6TP (2  |                      |                             |                             |
| U 0201               | 759551467300                | IC-CHIP M24C02 - WMN6TP (2  |                      |                             |                             |
| U 0300               | 759551411800                | IC-SMD ADV7180BCPZ-REEL LFC |                      |                             |                             |
| U 0301               | 759551500700                | IC-SMD R1EX24008ASAS0A#S0 S |                      |                             |                             |
| U 0302               | 759551268500                | IC-CHIP 74HC4052D SO16      |                      |                             |                             |
| U 0303               | 759551411300                | IC-SMD FMS6502MTC24X TSSOP2 |                      |                             |                             |
| U 0400               | 759551114300                | IC TDA 1308T/N2 SO-G8 (T&R) |                      |                             |                             |

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

12 / 2009

LP-CHASSISMODUL SF  
CHASSIS BOARD SF

MATERIAL-NR. / PART NO.: 275991075900

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)       | DESCRIPTION<br>(GB) |
|----------------------|--------------|-----------------------------|--------------|--------------------------|---------------------|
| △                    | 275991075900 | LP-CHASSISMODUL SF (HCH)    |              | LP-CHASSISBOARD SF (HCH) |                     |

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| CON 200              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 0401               | 759551467900                | IC-SMD R2A15112FP#W00T HTQF |
| CON 201              | 759551498700                | CON.500254-1927 MOLEX HDMI  | U 0601               | 759551375700                | IC-CHIP TDA9886TS/V4 (SSOP  |
| CON 500              | 759551360600                | SCART BUCHSE DOPPELT SLIM 3 | U 1001               | 759551050800                | IC NCP 1117 DT 33 RK        |
|                      |                             |                             | U 1002               | 759551251600                | IC-CHIP FAN1587AMX          |
| D 1003               | 759551499100                | DIODE-CHIP ES1D 1A 200V U.F | U 1003               | 759551251600                | IC-CHIP FAN1587AMX          |
| D 1004               | 759551499100                | DIODE-CHIP ES1D 1A 200V U.F | U 1005               | 759551114600                | IC NCP1117DT18RK            |
| D 1006               | 759530510400                | DIODE BAV 99                | U 1006               | 759551508600                | IC-CHIP AP1117DG-13         |
| D 1007               | 759551168600                | DIODE-CHIP BZX384-C8V2 300M | U 1007               | 759551331400                | TLV431B ADJ SHUNT REG SOT I |
| D 1008               | 759530510400                | DIODE BAV 99                |                      |                             |                             |
| J 300                | 759551411500                | KOPFHOERERBUCHSE            | Y 001                | 759880544700                | QUARZ 14.31818 MHZ          |
| J 400                | 759551411500                | KOPFHOERERBUCHSE            | Y 300                | 759551411700                | QUARZ Q 28.636363-SMU4-20-3 |
|                      |                             |                             | Y 601                | 759551376200                | QUARZ-CHIP 4MHZ SMXA120E HC |
| L 603                | 759550975200                | SPULE 10 UH                 |                      |                             |                             |
| L 607                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| L 609                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| Q 0604               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 0605               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 1009               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| S 300                | 759551313000                | BUCHSE VGA B10B             |                      |                             |                             |
| SAW 600              | 759550921100                | FILTER OFW K9656M           |                      |                             |                             |
| SAW 601              | 759550458000                | FILTER OFW K3958M           |                      |                             |                             |
| T 1000               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| T 1001               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| TUN 601              | 759551411600                | TUNER PHILIPS UV1316/ADH-4  |                      |                             |                             |
| U 0001               | 759551479700                | IC-SMD MST69981DLD-LF-1-S1  |                      |                             |                             |
| U 0002               | 759551268200                | IC-CHIP MAX810STRG SOT23 RE |                      |                             |                             |
| U 0003               | 759551500500                | IC-SMD R1EX24032ASAS0A#S0 S |                      |                             |                             |
| U 0100               | 759551479800                | IC-SMD HY5DU281622FTP-4-C T |                      |                             |                             |
| U 0200               | 759551467300                | IC-CHIP M24C02 - WMN6TP (2  |                      |                             |                             |
| U 0201               | 759551467300                | IC-CHIP M24C02 - WMN6TP (2  |                      |                             |                             |
| U 0300               | 759551411800                | IC-SMD ADV7180BCPZ-REEL LFC |                      |                             |                             |
| U 0301               | 759551500700                | IC-SMD R1EX24008ASAS0A#S0 S |                      |                             |                             |
| U 0302               | 759551268500                | IC-CHIP 74HC4052D SO16      |                      |                             |                             |
| U 0303               | 759551411300                | IC-SMD FMS6502MTC24X TSSOP2 |                      |                             |                             |
| U 0400               | 759551114300                | IC TDA 1308T/N2 SO-G8 (T&R) |                      |                             |                             |

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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Spare Parts ListNUR FÜR INTERNEN GEBRAUCH  
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LP-CHASSISMODUL SF  
CHASSIS BOARD SF

MATERIAL-NR. / PART NO.: 275991087500

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)       | DESCRIPTION<br>(GB)    |
|----------------------|--------------|-----------------------------|--------------|--------------------------|------------------------|
|                      | △            | 275991087500                |              | LP-CHASSISMODUL SF (CBH) | CHASSIS BOARD SF (CBH) |

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| CON 500              | 759551360600                | SCART BUCHSE DOPPELT SLIM 3 | U 1002               | 759551482600                | IC-CHIP TS1085CM TO263      |
| D 1003               | 759551499100                | DIODE-CHIP ES1D 1A 200V U.F | U 1003               | 759551482600                | IC-CHIP TS1085CM TO263      |
| D 1004               | 759551499100                | DIODE-CHIP ES1D 1A 200V U.F | U 1005               | 759551114600                | IC NCP1117DT18RK            |
| D 1006               | 759530510400                | DIODE BAV 99                | U 1006               | 759551528600                | IC-CHIP AP1117DL-13         |
| D 1007               | 759551168600                | DIODE-CHIP BZX384-C8V2 300M | U 1007               | 759551331400                | TLV431B ADJ SHUNT REG SOT I |
| D 1008               | 759530510400                | DIODE BAV 99                | Y 001                | 759880544700                | QUARZ 14.31818 MHZ          |
| J 300                | 759551411500                | KOPFHOERERBUCHSE            | Y 300                | 759551411700                | QUARZ Q 28.636363-SMU4-20-3 |
| J 400                | 759551411500                | KOPFHOERERBUCHSE            | Y 601                | 759551376200                | QUARZ-CHIP 4MHZ SMXA120E HC |
| L 603                | 759550975200                | SPULE 10 UH                 |                      |                             |                             |
| L 607                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| L 609                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| Q 0202               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 0604               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 0605               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 1009               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| S 300                | 759551313000                | BUCHSE VGA B10B             |                      |                             |                             |
| SAW 600              | 759550921100                | FILTER OFW K9656M           |                      |                             |                             |
| SAW 601              | 759550458000                | FILTER OFW K3958M           |                      |                             |                             |
| T 1000               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| T 1001               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| TUN 601              | 759551411600                | TUNER PHILIPS UV1316/ADH-4  |                      |                             |                             |
| U 0001               | 759551479700                | IC-SMD MST69981DLD-LF-1-S1  |                      |                             |                             |
| U 0002               | 759551268200                | IC-CHIP MAX810STRG SOT23 RE |                      |                             |                             |
| U 0003               | 759551500500                | IC-SMD R1EX24032ASAS0A#S0 S |                      |                             |                             |
| U 0100               | 759551479800                | IC-SMD HY5DU281622FTP-4-C T |                      |                             |                             |
| U 0201               | 759551482500                | IC-SMD PS221TQFP80G-B1 TQFP |                      |                             |                             |
| U 0300               | 759551411800                | IC-SMD ADV7180BCPZ-REEL LFC |                      |                             |                             |
| U 0301               | 759551500700                | IC-SMD R1EX24008ASAS0A#S0 S |                      |                             |                             |
| U 0302               | 759551268500                | IC-CHIP 74HC4052D SO16      |                      |                             |                             |
| U 0303               | 759551411300                | IC-SMD FMS6502MTC24X TSSOP2 |                      |                             |                             |
| U 0400               | 759551114300                | IC TDA 1308T/N2 SO-G8 (T&R) |                      |                             |                             |
| U 0401               | 759551467900                | IC-SMD R2A15112FP#W00T HTQF |                      |                             |                             |
| U 0601               | 759551375700                | IC-CHIP TDA9886TS/V4 (SSOP  |                      |                             |                             |
| U 1001               | 759551050800                | IC NCP 1117 DT 33 RK        |                      |                             |                             |

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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LP-CHASSISMODUL SF  
CHASSIS BOARD SF

MATERIAL-NR. / PART NO.: 275991087600

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)       | DESCRIPTION<br>(GB)    |
|----------------------|--------------|-----------------------------|--------------|--------------------------|------------------------|
|                      | △            | 275991087600                |              | LP-CHASSISMODUL SF (BBA) | CHASSIS BOARD SF (BBA) |

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| CON 500              | 759551360600                | SCART BUCHSE DOPPELT SLIM 3 | U 1001               | 759551050800                | IC NCP 1117 DT 33 RK        |
| D 1003               | 759551499100                | DIODE-CHIP ES1D 1A 200V U.F | U 1002               | 759551482600                | IC-CHIP TS1085CM TO263      |
| D 1004               | 759551499100                | DIODE-CHIP ES1D 1A 200V U.F | U 1003               | 759551482600                | IC-CHIP TS1085CM TO263      |
| D 1006               | 759530510400                | DIODE BAV 99                | U 1005               | 759551114600                | IC NCP1117DT18RK            |
| D 1007               | 759551168600                | DIODE-CHIP BZX384-C8V2 300M | U 1006               | 759551528600                | IC-CHIP AP1117DL-13         |
| D 1008               | 759530510400                | DIODE BAV 99                | U 1007               | 759551331400                | TLV431B ADJ SHUNT REG SOT I |
| J 300                | 759551411500                | KOPFHOERERBUCHSE            | Y 001                | 759880544700                | QUARZ 14.31818 MHZ          |
| J 400                | 759551411500                | KOPFHOERERBUCHSE            | Y 300                | 759551411700                | QUARZ Q 28.636363-SMU4-20-3 |
| L 603                | 759550975200                | SPULE 10 UH                 | Y 601                | 759551376200                | QUARZ-CHIP 4MHZ SMXA120E HC |
| L 607                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| L 609                | 759550541900                | SMD SPULE 1UH K0805         |                      |                             |                             |
| Q 0202               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 0604               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 0605               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| Q 1009               | 759550973400                | TRANS 2N7002                |                      |                             |                             |
| S 300                | 759551313000                | BUCHSE VGA B10B             |                      |                             |                             |
| SAW 600              | 759550921100                | FILTER OFW K9656M           |                      |                             |                             |
| SAW 601              | 759550458000                | FILTER OFW K3958M           |                      |                             |                             |
| T 1000               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| T 1001               | 759551388500                | TRANS-CHIP PMV65XP P-CH     |                      |                             |                             |
| TUN 601              | 759551411600                | TUNER PHILIPS UV1316/ADH-4  |                      |                             |                             |
| U 0001               | 759551479700                | IC-SMD MST69981DLD-LF-1-S1  |                      |                             |                             |
| U 0002               | 759551268200                | IC-CHIP MAX810STRG SOT23 RE |                      |                             |                             |
| U 0003               | 759551500500                | IC-SMD R1EX24032ASAS0A#S0 S |                      |                             |                             |
| U 0100               | 759551479800                | IC-SMD HY5DU281622FTP-4-C T |                      |                             |                             |
| U 0201               | 759551482500                | IC-SMD PS221TQFP80G-B1 TQFP |                      |                             |                             |
| U 0300               | 759551411800                | IC-SMD ADV7180BCPZ-REEL LFC |                      |                             |                             |
| U 0301               | 759551500700                | IC-SMD R1EX24008ASAS0A#S0 S |                      |                             |                             |
| U 0302               | 759551268500                | IC-CHIP 74HC4052D SO16      |                      |                             |                             |
| U 0303               | 759551411300                | IC-SMD FMS6502MTC24X TSSOP2 |                      |                             |                             |
| U 0400               | 759551114300                | IC TDA 1308T/N2 SO-G8 (T&R) |                      |                             |                             |
| U 0401               | 759551467900                | IC-SMD R2A15112FP#W00T HTQF |                      |                             |                             |
| U 0601               | 759551375700                | IC-CHIP TDA9886TS/V4 (SSOP  |                      |                             |                             |

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION