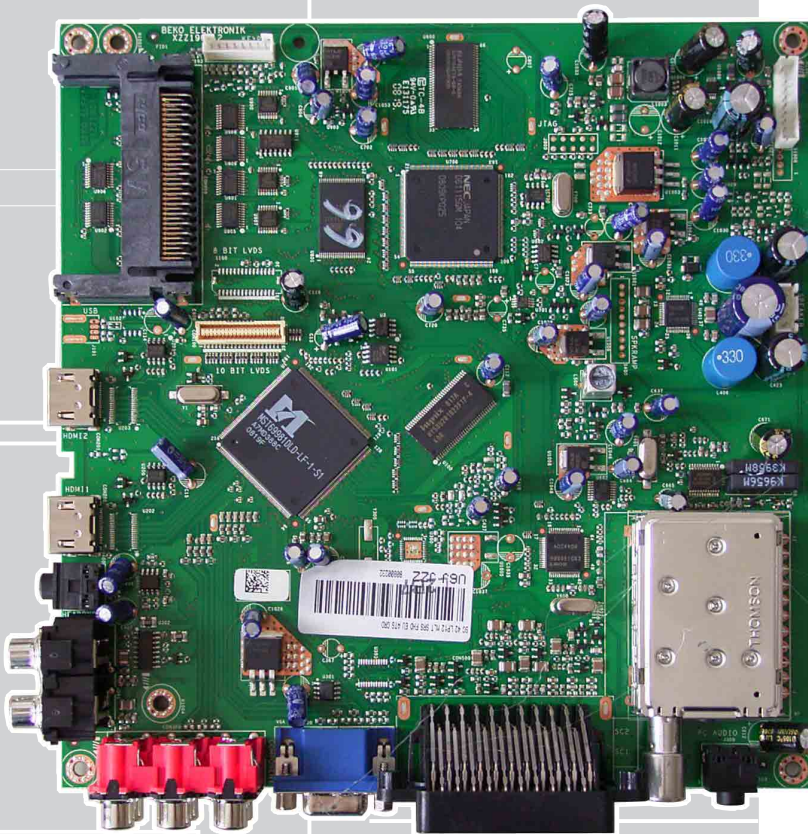


Chassis SG

Vision 7
42-7853 T
37-7853 T
32-7853 T

GBH3342
GBH3337
GBH3332



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

Service Manual

Sicherheit
Safety

Materialnr./Part No.
72010800001

Service Manual

Chassis SG

Materialnr./Part No.
720100539000

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

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

Einführung

In dieser Service-Manual-Ergänzung sind weitere Geräte dokumentiert, das mit Chassis SG ausgestattet sind. Zusätzlich ist die Chassisplattenvariante XZZ190R-11 dokumentiert.

Hinweis:

- Grundlage für den Service sind folgende Service Manuals:
- Service Manual Sicherheit, Materialnummer 720108000001
 - Service Manual SG, Materialnummer 720100539000

Allgemeine Hinweise

Vor dem Öffnen des Gehäuses den Netzstecker ziehen!

Achtung: ESD-Vorschriften beachten 

Leitungsverlegung

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

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

Messwerte und Oszillogramme

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

Kindersicherung Digital TV - PIN zurücksetzen

Digital TV anwählen: Taste AV -> "Digital TV" -> Taste OK
 "Kindersicherung" anwählen: Taste i -> "Sonderfunktionen" -> "IDTV Einstellungen" -> "Kindersicherung" -> PIN 2005 eingeben -> "PIN ändern" -> neue PIN eingeben.

Austausch der Chassisplatte

Nach dem Austausch der Chassisplatte sind die Grundeinstellwerte im Service Mode entsprechend der Tabelle auf Seite 5 zu prüfen und gegebenenfalls einzustellen.

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General Section

Introduction

This Supplement of Service Manual describes more variants of alternative devices embedded with chassis SG.
 In addition PCB version R-11 of chassis XZZ190 is shown.

Note:

- Basic instructions for servicing are given in following Service Manuals:
- Service Manual Safety, Part Number 720108000001
 - Service Manual SG, Part Number 720100539000

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.

Measured Values and Oscillograms

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

Reset PIN of Parental Control at Digital TV

Select Digital TV: Button AV -> "Digital TV" -> Button OK
 Select "Parental Control": Taste i -> "Features" -> "IDTV Settings" -> "Parental Control" -> enter PIN 2005 -> "Change PIN" -> enter new PIN.

Change of the Chassis Board

After changing the Chassis Board all basic settings in the service mode must be checked and if necessary must be done according to the table on page 5.

Technische Daten / Technical Data

	Vision 7 42-7853 T	Vision 7 37-7853 T	Vision 7 32-7853 T
Order No.	G.BH 3342	G.BH 3337	G.BH 3332
Product Code	Y3Q	Y3P	Y3N
Destination	All NSOs	All NSOs	All NSOs
Approbations	CE,I	CE,I	CE,I
IM-Languages	D,GB,F,I,NL,DK,N,S,FIN,E,P,PL,CZ,H	D,GB,F,I,NL,DK,N,S,FIN,E,P,PL,CZ,H	D,GB,F,I,NL,DK,N,S,FIN,E,P,PL,CZ,H
Remote control	TP 2	TP 2	TP 2
EAN	40 13833-61725 9	40 13833-61724 2	40 13833-61723 5
Color	glossy black	glossy black	glossy black
DISPLAY			
Panel	42" / 107cm Active Matrix TFT-LC-Display	37" / 94cm Active Matrix TFT-LC-Display	32" / 81cm Active Matrix TFT-LC-Display
Wide-screen format	●	●	●
Response time	ca. 5ms	ca. 8ms	ca. 6ms
Brightness	ca. 500cd/m2	ca. 500cd/m2	ca. 500cd/m2
Contrast ratio (Panel)	ca. 1.000:1	ca. 1.000:1	ca. 3.000:1
Dynamic contrast plus	15.000:1	12.000:1	12.000:1
Viewing angle vertical / horizontal (ca.)	178° / 178°	178° / 178°	178° / 178°
Physical display resolution max. pixel	WUXGA 1920 x 1080 (full HD)	WUXGA 1920 x 1080 (full HD)	WUXGA 1920 x 1080 (full HD)
PICTURE			
Motion Picture Improvement	○	○	○
Motion Adaptive Deinterlacing	3D DeInterlacer	3D DeInterlacer	3D DeInterlacer
Natural view HD Reference	○	○	○
Full HD	●	●	●
Line Flicker Reduction	●	●	●
Digital Color Transition Improv. (DCTI)	●	●	●
Digital Combfilter	3D	3D	3D
Digital Luminance Transition Improv. (DLTI)	●	●	●
Picture Noise Reduction (DNR)	3D	3D	3D
Preset picture modes	user, natural, rich, soft	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	Auto (WSS), 4:3/14:9/16:9/Panorama/ Cinema Zoom/Sky Top
Blackline detection	○	○	○
PIP	AV-PIP	AV-PIP	AV-PIP
Multifold Tuner scan (Mosaic Picture)	○	○	○
PAT: Split screen (PICTURE + TEXT)	●	●	●
PAP: Double Window (PICTURE + PICTURE)	via AV	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	○	○	○
CHASSIS			
TV-Chassis	SG	SG	SG
Progressive	○	○	○
Tuner	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning
Scaler	Paolo Premium	Paolo Premium	Paolo Premium
Keyboard	Soft touch keys for menu/source, ± programme; ± volume, standby	Soft touch keys for menu/source, ± programme; ± volume, standby	Soft touch keys for menu/source, ± programme; ± volume, standby
ELECTRONIC			
Stand by indicator	red LED (integrated in touch-keypad)	red LED (integrated in touch-keypad)	red LED (integrated in touch-keypad)
Easy Dialog	○	○	○
EPG (Electronic Programme Guide)	○	○	○
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 / 9	100 / 9	100 / 9
Teletext/Fasttext/Toptext	● / ● / ●	● / ● / ●	● / ● / ●
Teletext options	250 pages	250 pages	250 pages
Childlock	●	●	●
Menue languages OSD	26 Languages: D,GB,F,I,E,P,NL,GR,TR,DK,FIN,N,S,SI,PL,H,RUS,R O,HR,CZ,SK,AL,BG,MK,SER,HEB (VERSION A)	26 Languages: D,GB,F,I,E,P,NL,GR,TR,DK,FIN,N,S,SI,PL,H,RUS,R O,HR,CZ,SK,AL,BG,MK,SER,HEB (VERSION A)	26 Languages: D,GB,F,I,E,P,NL,GR,TR,DK,FIN,N,S,SI,PL,H,RUS,R O,HR,CZ,SK,AL,BG,MK,SER,HEB (VERSION A)
OSD-style	Grundig-style	Grundig-style	Grundig-style
Service mode	●	●	●
Hotel mode	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment	Simple hotel mode possible via service adjustment
TUNING			
Autom. Tuning System with country selection	full automatic sorting	full automatic sorting	full automatic sorting
Frequency Based Auto Search	●	●	●
Automatic Micro-search	○	○	○
Automatic Programming	○	○	○
Manual fine tuning	●	●	●
Direct channel selection	●	●	●
Direct frequency selection	○	○	○
TV-Norm	PAL/SECAM/BG/DK/I/L/L	PAL/SECAM/BG/DK/I/L/L	PAL/SECAM/BG/DK/I/L/L
NTSC-Playback via Scart (3,58/4,43)	●	●	●
Cable TV / Hyperband (S1-S41)	●	●	●
AUDIO			
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	2 wide band and 2 tweeter at the front side
SRS	●	●	●
Virtual Dolby	○	○	○
Magic Fidelity Sound System	○	○	○
Soundprojector	○	○	○
Matched Sound Delay (Lip synchronous)	○	○	○
Subwoofer	○	○	○
Dynamic Bass	○	○	○
DSP (Digital Sound Processor)	○	○	○
Balance Adjustment	●	●	●
AVL (Audio Volume Level)	●	●	●
PIP listening via Headphone.jack	○	○	○
Equalizer	5 Band	5 Band	5 Band
Space Sound Effect	●	●	●
Audio mode	cinema, music, sport, speech, user	cinema, music, sport, speech, user	cinema, music, sport, speech, user
Audio amplifier	2 x 10/20 W nominal/music power (R/L)	2 x 10/20 W nominal/music power (R/L)	2 x 10/20 W nominal/music power (R/L)

	Vision 7 42-7853 T	Vision 7 37-7853 T	Vision 7 32-7853 T
DVB reception			
System characteristics			
Fully compliant to	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)	EN 300 744 & revised NorDig II spec (regarding DVB-T front end performance)
Automatic/manual channel search	ATS type sorting & LCN type sorting	ATS type sorting & LCN type sorting	ATS type sorting & LCN type sorting
EPG (SI based)	●	●	●
- 8 Day Electronic Programme Guide	●	●	●
- now/next	●	●	●
- scheduled	If broadcasted	If broadcasted	If broadcasted
- Extended Event Info	If broadcasted	If broadcasted	If broadcasted
- Short Event Info	If broadcasted	If broadcasted	If broadcasted
TV/Radio programmes	899	899	899
OSD languages	20 Languages: D, GB,F,I,E,NL,TR,DK,FIN,N,S,SI,PL,H,RUS,RO,HR,CZ,SK,BG,SER	20 Languages: D, GB,F,I,E,NL,TR,DK,FIN,N,S,SI,PL,H,RUS,RO,HR,CZ,SK,BG,SER	20 Languages: D, GB,F,I,E,NL,TR,DK,FIN,N,S,SI,PL,H,RUS,RO,HR,CZ,SK,BG,SER
Parental control	○	○	○
Teletext VBI insertion	●, or decoding	●, or decoding	●, or decoding
VPS - VBI insertion	PDC based	PDC based	PDC based
Programme table	full automatic sorting	full automatic sorting	full automatic sorting
Factory station list	●	●	●
DVB-T Front end			
Tuner inputs (Hyperband)	1	1	1
Input frequency (MHz) / Loop through	177 - 862 VHF & UHF / ○	177 - 862 VHF & UHF / ○	177 - 862 VHF & UHF / ○
Input level / Impedance	-84.1dBm to -35dBm (at 16 QAM 2/3) / 75Ω	-84.1dBm to -35dBm (at 16 QAM 2/3) / 75Ω	-84.1dBm to -35dBm (at 16 QAM 2/3) / 75Ω
Modulation	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM	COFDM 2/8 QPSK 16/64 QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Hierarchical modulation	○	○	○
Activ antenna support	●	●	●
Embedded Conditional Access	○	○	○
Common Interface	Depends on Terracom approval, implemented according to EN 50221 specification; Tested modul: Viaccess 1.4 red Label (Sweden); Other possible modules - not tested yet: Conax CAM 2.01, 3.03, 4.0 Eurocam - Viaccess V1.20, Professional made by Aston - Irdeto Ver 2.05 (CI), SE 4.60 Ver 2.06 (CI) - Aston Crypt V 1.03, made by Aston - Nageravision 1.2 SCM 2.30 - Crypto Works by Philips - Alpha Crypt - NDS Video guard CI	Depends on Terracom approval, implemented according to EN 50221 specification; Tested modul: Viaccess 1.4 red Label (Sweden); Other possible modules - not tested yet: Conax CAM 2.01, 3.03, 4.0 Eurocam - Viaccess V1.20, Professional made by Aston - Irdeto Ver 2.05 (CI), SE 4.60 Ver 2.06 (CI) - Aston Crypt V 1.03, made by Aston - Nageravision 1.2 SCM 2.30 - Crypto Works by Philips - Alpha Crypt - NDS Video guard CI	Depends on Terracom approval, implemented according to EN 50221 specification; Tested modul: Viaccess 1.4 red Label (Sweden); Other possible modules - not tested yet: Conax CAM 2.01, 3.03, 4.0 Eurocam - Viaccess V1.20, Professional made by Aston - Irdeto Ver 2.05 (CI), SE 4.60 Ver 2.06 (CI) - Aston Crypt V 1.03, made by Aston - Nageravision 1.2 SCM 2.30 - Crypto Works by Philips - Alpha Crypt - NDS Video guard CI
Smart Card Reader	○	○	○
Video Decoder			
MPEG profiles	MP@ML	MP@ML	MP@ML
Data rate	Up to 15 Mbit/sec.	Up to 15 Mbit/sec.	Up to 15 Mbit/sec.
Resolution	720 x 576	720 x 576	720 x 576
OSD colors	Fitting to TV-OSD	Fitting to TV-OSD	Fitting to TV-OSD
Picture formats	4:3, 16:9, pan scan, letter box	4:3, 16:9, pan scan, letter box	4:3, 16:9, pan scan, letter box
Audio Decoder			
Profiles	MPEG 2 layer I & II	MPEG 2 layer I & II	MPEG 2 layer I & II
AC 3 Decoding	○	○	○
AC 3 Output	SP/DIF	SP/DIF	SP/DIF
Modes	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo	Mono, Dual Mono, Stereo, Joint Stereo
Processor			
CPU	32MB	32MB	32MB
RAM (MB)	32MB	32MB	32MB
Flash (MB)	2MB	2MB	2MB
Software			
Service information processing	Dynamic PMT	Dynamic PMT	Dynamic PMT
DVB subtitles	●	●	●
Over air download (OTA)	DVB enhanced profile	DVB enhanced profile	DVB enhanced profile
Navigator	via menu	via menu	via menu
API	○	○	○
Last station memory	from stand-by, as TV	from stand-by, as TV	from stand-by, as TV
Favourite mode	4x free	4x free	4x free
Timer / Sleep timer	○	○	○
Clock	○	○	○
Volume	○	○	○
Mute function	●	●	●
Swap function	●	●	●
POWER SUPPLY / CABINET			
Power voltage	230V, 50Hz; in accordance to IEC 65	230V, 50Hz; in accordance to IEC 65	230V, 50Hz; in accordance to IEC 65
Range of regulation	140V - 265V	140V - 265V	140V - 265V
Power switch	○, Tact switch, side - close to keyboard	○, Tact switch, side - close to keyboard	○, Tact switch, side - close to keyboard
Integrated supply	●	●	●
Plug-in AC adaptor	○	○	○
Power consumption	210W, standby <2.5W in accordance to IEC 62087-2002	180W, standby <1W in accordance to IEC 62087-2002	140W, standby <1W in accordance to IEC 62087-2002
Cabinet (WxHxD, cm) / Weight	104.3 x 69.5 x 11.4cm / 104.3 x 73.7 x 31.6cm with stand / ca. 23.2kg	93.0 x 62.5 x 11.5cm / 93.0 x 67.1 x 25.1cm with stand / ca. 18.5kg	80.0 x 55.2 x 11.0cm / 80.0 x 59.4 x 20.0cm with stand / ca. 11.8kg
FRONT PANEL CONNECTIONS			
HDMI	○	○	○
Headphones	○	○	○
Cinch-AV socket	○	○	○
S-Video	○	○	○
REAR PANEL CONNECTIONS			
Euro-AV-Socket AV1	CVBS in-/output, RGB input	CVBS in-/output, RGB input	CVBS in-/output, RGB input
Euro-AV Socket AV2	CVBS in-/output, S-VHS	CVBS in-/output, S-VHS	CVBS in-/output, S-VHS
Euro-AV Socket AV3	○	○	○
S-Video	Hosiden	Hosiden	Hosiden
Camera-AV	3x Cinch socket in	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	Video-in: 3 x Cinch, Audio-in: 2 x Cinch
PC-input	WUXGA	WUXGA	WUXGA
PC-Audio in	●	●	●
DVI	○	○	○
HDMI	3x	3x	3x
HD ready including HDCP	via HDMI	via HDMI	via HDMI
Common Interface	1 slot	1 slot	1 slot
Headphones	3.5mm jack	3.5mm jack	3.5mm jack
Digital Audio out coaxial (SPDIF)	○	○	○
Video out	○	○	○

	Vision 7 42-7853 T	Vision 7 37-7853 T	Vision 7 32-7853 T
Audio out	○	○	○
Antenna for terrestrial reception	1x Coaxial-socket for TV-tuner-in, according to DIN 45325	1x Coaxial-socket for TV-tuner-in, according to DIN 45325	1x Coaxial-socket for TV-tuner-in, according to DIN 45325
DC-connector	○	○	○
Power supply plug	●	●	●
SUPPLIED ACCESSORIES			
Remote control (incl. battery)	TP 2	TP 2	TP 2
Power cord	● (grounded)	● (non grounded)	● (non grounded)
Instruction manual	●	●	●
Wall fixture	Prepared for VESA standard adaptor 200 x 200	Prepared for VESA standard adaptor 200 x 200	Prepared for VESA standard adaptor 200 x 200
Warning sticker in rear panel	●	●	●
Stand	swivel type	swivel type	●
Warranty info	●	●	●
Cleaning tissue	●	●	●
Cables	○	○	○
Circuit diagram	●	●	●

Service- und Sonderfunktionen

Tastenfunktionen

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

Service-Mode aktivieren

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

Service-Mode beenden

- Taste "TXT" drücken.

1. Grundeinstellwerte

Die Grundeinstellwerte im Service Mode sind in der Tabelle enthalten.

Service and Special Functions

Functions of the buttons

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

Calling up the Service Mode

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

Exit the Service Mode

- Press button "TXT".

1. Basic Settings

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

Menü Menu	Menüpunkt Point of Menu	Untermenüpunkt Point of Submenu	Einstellung Adjustment	Vision 7 42-7853 T	Vision 7 37-7853 T	Vision 7 32-7853 T	Hinweis Hint
^ / v	^ / v	^ / v	+ / -				
+ / -	+ / -	+ / -					
OPTIONS 0	STANDBY	CUSTOMER		X	X	X	Netz-Ein -> Standby / Power on -> standby
		FACTORY					Netz-Ein -> Programm 1 / Power on -> Programme 1
	TEXT	TOP					
		FAST					
		FAST_TOP		X	X	X	
		NONE					
	TEXT TBL	AUTO		X	X	X	
		WEST					
		EAST					
		CYRL					
		ARAB					
		FARS					
		HEBR					
	LANGUAGE	GREE					
		A		X	X	X	
	PANEL	B					
	PIP						
		ON		X	X	X	
	PLUG PLAY	OFF					
ON				ATS Reset			Netz ein -> Automatischer Sendersuchlauf
TUNER	OFF		X	X	X	Power on -> automatic programme search	
2D/3D DEINTERLACE				Eingebauten Tuner wählen Select used tuner			
GAMMA	2DDi						
	3DDi		X	X	X		
HDCP VERIFY	ON		X	X	X		Gamma-Korrektur / Gamma Correction
	OFF						
							prüft HDCP im EEPROM / verifies the HDCP in EEPROM

Menü Menu ^ / v + / -	Menüpunkt Point of Menu ^ / v + / -	Untermenüpunkt Point of Submenu ^ / v + / -	Einstellung Adjustment + / -	Vision 7 42-7853 T	Vision 7 37-7853 T	Vision 7 32-7853 T	Hinweis Hint
OPTIONS 1	BLUEBACK		ON	X	X	X	
			OFF				
	DLC		ON	X	X	X	Digitale Helligkeitsregelung / Digital Luminance Control
			OFF				
	DNR		ON	X	X	X	Digitale Rauschunterdrückung / Digital Noise Reduction
			OFF				
	PROTECTION		ON	X	X	X	Schutzschaltung / Protection
			OFF				
	PANORAMA		AVAIL	X	X	X	
			NAVAIL				
	REMOTE CONTROL				Fernbedienung wählen / Select used remote control		TP170 = TP2
	KEYPAD		5 BUTTON				5 Tasten seitlich / 5 buttons side
			6 BUTTON				6 Tasten seitlich / 6 buttons side
			5 BUTTON WSTD				4 Tasten + STDBY seitlich / 4 buttons + STDBY side
6 BUTTON WSTD						5 Tasten + STDBY seitlich / 5 buttons + STDBY side	
5 BUTTON+1STD						5 Tasten seitlich + 1 STDBY vorne / 5 buttons side + 1 STDBY front	
6 BUTTON+1STD			X	X	X	6 Tasten seitlich + 1 STDBY vorne / 6 buttons side + 1 STDBY front	
PAT		AVAIL	X	X	X	Bild & Text Picture & Text	
		NAVAIL					
HOTEL		AVAIL				Hotel-Mode	
		NAVAIL	X	X	X		
HOTEL VOL		0...63	20	20	20	Maximale Lautstärke im Hotel-Mode Hotel mode – volume maximum	
TTX PAGE SIZE		10					
		250	X	X	X		
OPTIONS 2	VGA		AVAIL	X	X	X	
			NAVAIL				
	HDMI 1		AVAIL	X	X	X	
			NAVAIL				
	HDMI 2		AVAIL	X	X	X	
			NAVAIL				
	TV		AVAIL	X	X	X	
			NAVAIL				
	AV		AVAIL	X	X	X	Audio/Video-Eingang / Input
			NAVAIL				
	SV		AVAIL	X	X	X	S-Video-Eingang / Input
			NAVAIL				
	DVB		AVAIL	X	X	X	
			NAVAIL				
SCART1		AVAIL	X	X	X		
		NAVAIL					
SCART2		AVAIL	X	X	X		
		NAVAIL					
YPBPR		AVAIL	X	X	X		
		NAVAIL					
SOUND OPTIONS	BG		EUROPE	X	X	X	BG Europe
			NEW				BG New Zealand
			AUS				BG Australia
			NAVAIL				
	DK		AVAIL	X	X	X	
			NAVAIL				
	I		AVAIL	X	X	X	
			NAVAIL				
	LL		AVAIL	X	X	X	
			NAVAIL				
	SRS		AVAIL	X	X	X	
			NAVAIL				
	HEADPHONE		AVAIL	X	X	X	Kopfhörer / Headphone
			NAVAIL				
CARRI MUTE		MICRO	X	X	X		
		MSP					
ATS		AVAIL	X	X	X	Automatische Programmsortierung bei Programmsuchlauf Automatical programme sorting at autoprogramme operation	
		NAVAIL					
IF SET-TINGS	AGC VHF		0...31	11	11	11	
	AGV UHF		0...31	11	11	11	
	AGC LPRIME		0...31	12	12	12	

Menü Menu ^ / v + / -	Menüpunkt Point of Menu ^ / v + / -	Untermenüpunkt Point of Submenu ^ / v + / -	Einstellung Adjustment + / -	Vision 7 42-7853 T	Vision 7 37-7853 T	Vision 7 32-7853 T	Hinweis Hint
DIMMING	DCR		CHIP SIDE	X	X	X	
			PANEL SIDE				
			OFF				
DIMMING	ZERO POWER		YES				
			NO	X	X	X	
ADJUSTMENTS	IBC	R	0...55	32	32	32	<p>Mittelwerte: Alle Einstellungen sind in Abhängigkeit der Geräte-Eingänge nach Testbild einzustellen.</p> <p>Average values: Depend on input selection all settings must be set according to test pattern.</p>
		G	0...55	32	32	32	
		B	0...55	32	32	32	
		C	0...55	32	32	32	
		M	0...55	32	32	32	
		Y	0...55	32	32	32	
		F	0...55	32	32	32	
	IBC	ON/OFF	OFF	OFF	OFF		
ADJUSTMENTS	ICC	R	0...15	8	8	8	<p>Mittelwerte: Alle Einstellungen sind in Abhängigkeit der Geräte-Eingänge nach Testbild einzustellen.</p> <p>Average values: Depend on input selection all settings must be set according to test pattern.</p>
		G	0...15	8	8	8	
		B	0...15	8	8	8	
		C	0...15	8	8	8	
		M	0...15	8	8	8	
		Y	0...15	8	8	8	
		F	0...15	8	8	8	
		ICC	ON/OFF	OFF	OFF	OFF	
	IHC	R	0...127	64	64	64	<p>Mittelwerte: Alle Einstellungen sind in Abhängigkeit der Geräte-Eingänge nach Testbild einzustellen.</p> <p>Average values: Depend on input selection all settings must be set according to test pattern.</p>
		G	0...127	64	64	64	
		B	0...127	64	64	64	
		C	0...127	64	64	64	
		M	0...127	64	64	64	
		Y	0...127	64	64	64	
F		0...127	64	64	64		
	IHC	ON/OFF	OFF	OFF	OFF		
ADJUST	R GAIN	0...255	128	128	128	<p>Mittelwerte: Alle Einstellungen sind in Abhängigkeit der Geräte-Eingänge nach Testbild einzustellen.</p> <p>Average values: Depend on input selection all settings must be set according to test pattern.</p>	
	G GAIN	0...255	128	128	128		
	B GAIN	0...255	128	128	128		
	R OFFSET	0...255	128	128	128		
	G OFFSET	0...255	128	128	128		
	B OFFSET	0...255	128	128	128		
	SUB CONTRAST	0...55	32	32	32		
	SUB BRIGHTNESS	0...55	32	32	32		
SUB SATURATION	0...55	32	32	32			
SCART-1 RGB ADC	R GAIN	0...255	128	128	128	<p>Mittelwerte: Alle Einstellungen sind in Abhängigkeit der Geräte-Eingänge nach Testbild einzustellen.</p> <p>Average values: Depend on input selection all settings must be set according to test pattern.</p>	
	G GAIN	0...255	128	128	128		
	B GAIN	0...255	128	128	128		
	R OFFSET	0...255	128	128	128		
	G OFFSET	0...255	128	128	128		
	B OFFSET	0...255	128	128	128		
AUTO COLOR							
TEST PATTERN EN.		ON					
		OFF	X	X	X		
TEST PATTERN			gewünschtes Testbild wählen / select test pattern				
MPEG NR ON		ON	X	X	X		
		OFF					
PANEL PARAMETERS							
EEPROM EDIT	ADDRESS						
	DATA						
	EEPROM RESET			Achtung: Nach dem EEPROM Reset sind alle gerätespezifischen Einstellwerte zu prüfen und gegebenenfalls einzustellen! Attention: After EEPROM Reset check and if necessary adjust all set specific values!			

2. Austausch der Chassisplatte

Nach dem Austausch der Chassisplatte sind die Grundeinstellwerte im Service Mode entsprechend der Tabelle zu prüfen und gegebenenfalls einzustellen.

3. Software-Versionsnummer

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

SG GR EU FHD T00 v1.03
17/06/08 11:08:15

4. Programmsuchlauf

- Taste "AV" drücken.
- "Digital TV" oder "Analog TV" mit den Tasten "v / ^" anwählen und mit der Taste "OK" () bestätigen.
- Taste "i" (INFO) drücken.
- "Programm-Installation" mit den Tasten "v / ^" anwählen und mit der Taste "OK" () bestätigen.
- "Automatische Programmsuche" mit den Tasten "v / ^" anwählen und mit der Taste "OK" () bestätigen.
- Gewünschtes Land mit den Tasten "v / ^", "+ / -" auswählen und mit der Taste "OK" () bestätigen.

Das automatische Sendersuchsystem stoppt bei jedem empfangswürdigen Sender (AFC und Koinzidenz) und speichert automatisch die entsprechenden Senderdaten mit dem jeweiligen Standard. Danach wird der Suchlauf fortgesetzt.

Zum Abbrechen des Suchlaufes die Taste "i" drücken.

5. EEPROM Edit

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

6. Hotel-Mode

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

Aufruf: "i" -> "8500" -> "v / ^" "OPTION 1" -> "+" -> "v / ^" "HOTEL" -> "+ / -" "AVAIL".

Maximale Lautstärke: "i" -> "8500" -> "v / ^" "OPTION 1" -> "+" -> "v / ^" "HOTEL VOLUME" -> "+ / -" Wert 0...63.

6.1 Sonderfunktion bei aktiviertem Hotel-Mode

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

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

2. Change of the Chassis Board

After changing the Chassis Board all basic settings in the service mode must be checked and if necessary must be done according to the table.

3. Software Version Number

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

SG GR EU FHD T00 v1.03
17/06/08 11:08:15

4. Programme Search

- Press button "AV".
- Select "Digital TV" or "Analog TV" with the buttons "v / ^" and confirm with button "OK" ().
- Press button "i" (MAIN MENU).
- Select "Channel setup" with the buttons "v / ^" and confirm with button "OK" ().
- Select "Automatic Channel Search" with the buttons "v / ^" and confirm with button "OK" ().
- Select the required Country with the buttons "v / ^", "+ / -" and confirm with 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.

5. EEPROM Edit

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

6. Hotel Mode

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

Call up: "i" -> "8500" -> "v / ^" "OPTION 1" -> "+" -> "v / ^" "HOTEL" -> "+ / -" "AVAIL".

Maximum volume: "i" -> "8500" -> "v / ^" "OPTION 1" -> "+" -> "v / ^" "HOTEL VOLUME" -> "+ / -" Value 0...63.

6.1 Special Functions at activated Hotel Mode

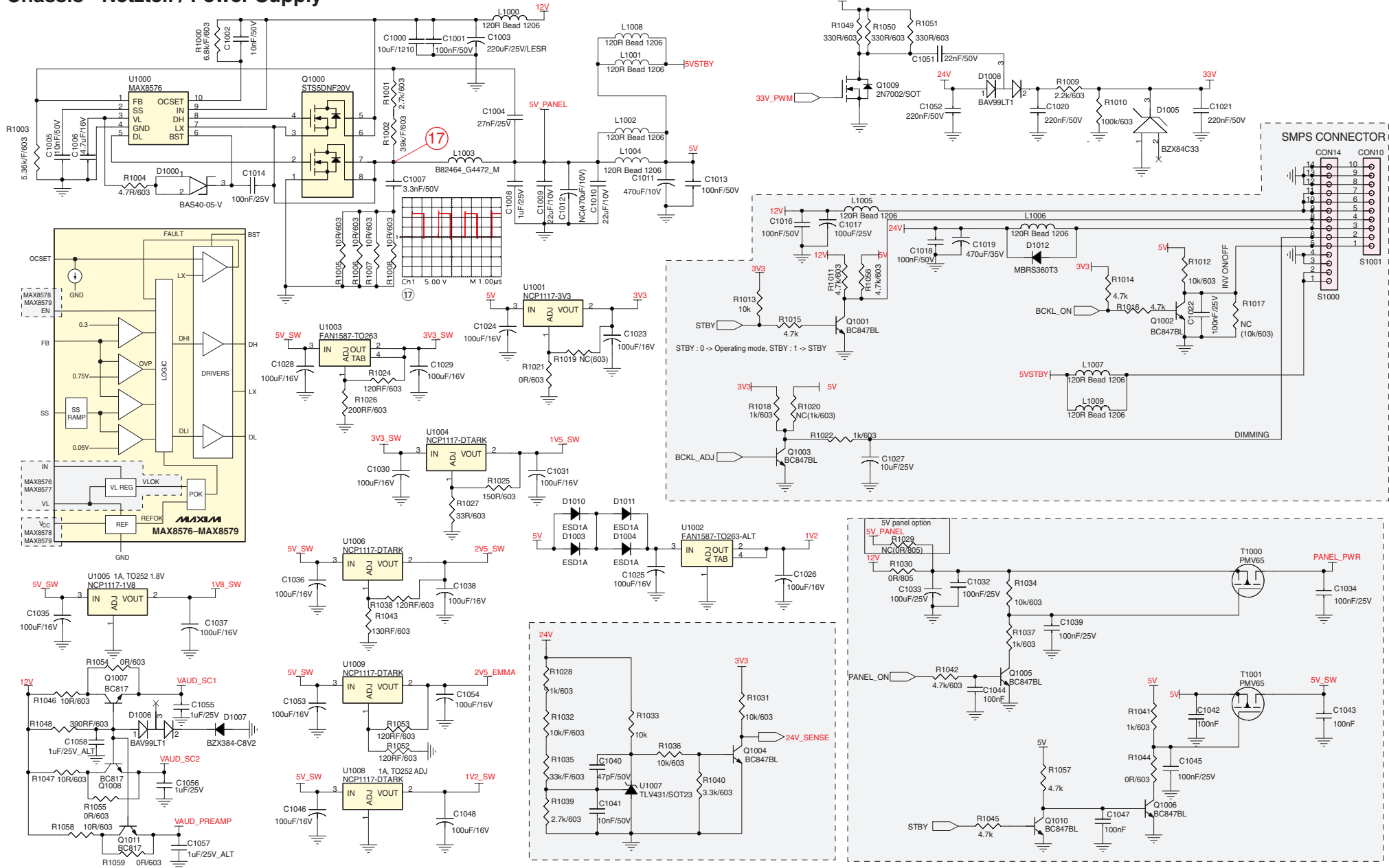
The maximum volume can be adjusted in the additionally menu item "Maxvol" in the sound menu.

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

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

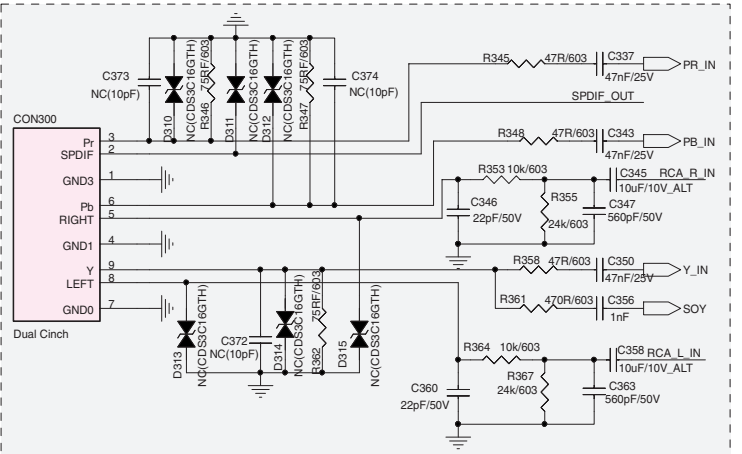
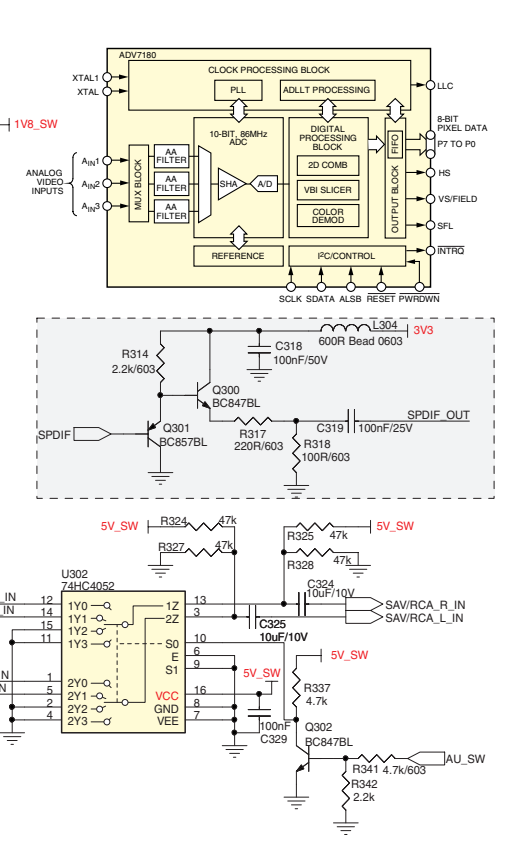
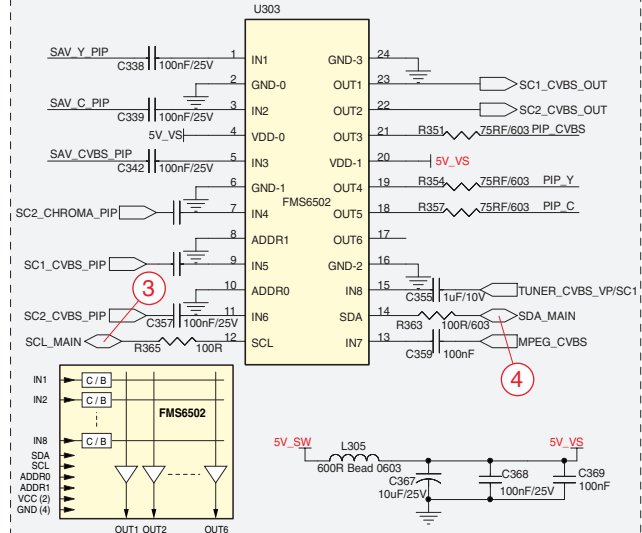
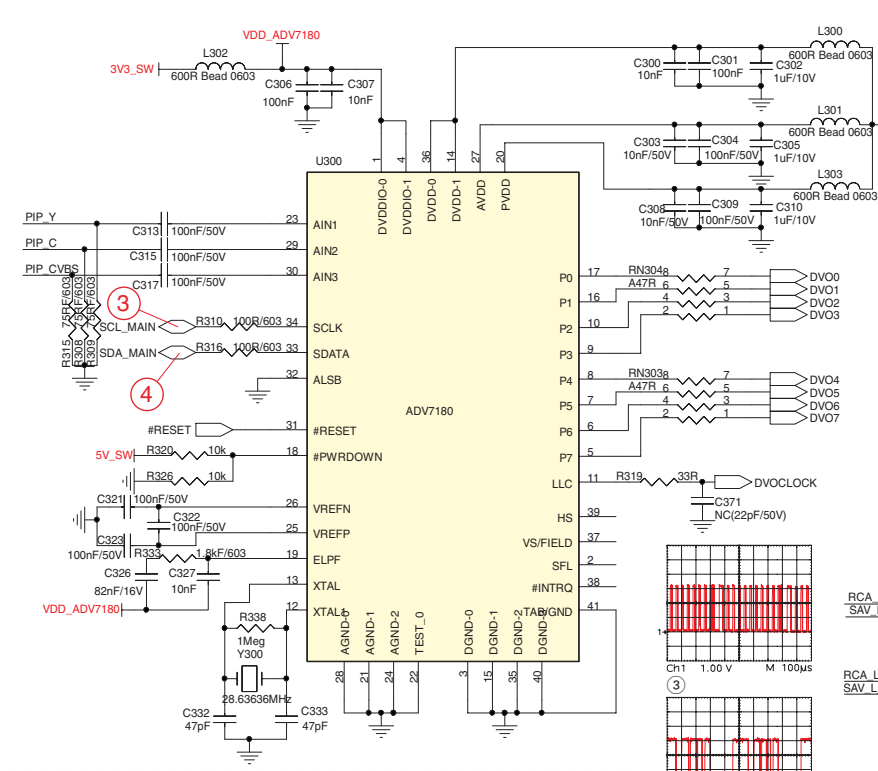
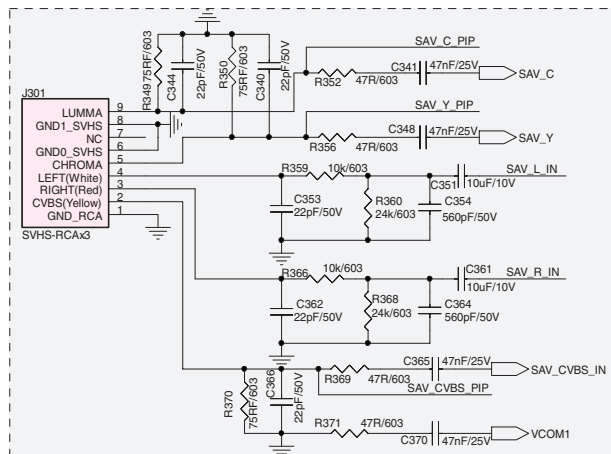
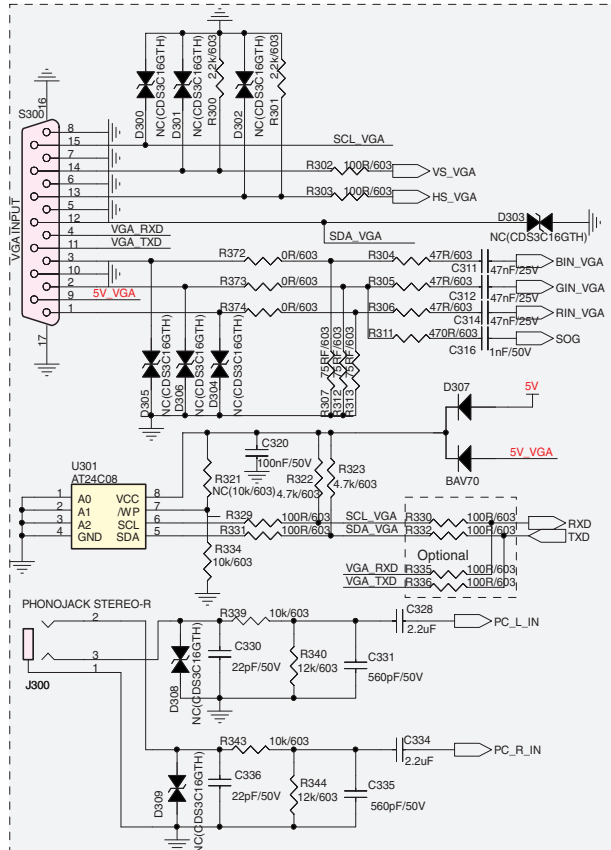
Platinenabbildungen und Schaltpläne / Layout of PCBs and Circuit Diagrams

Chassis - Netzteil / Power Supply



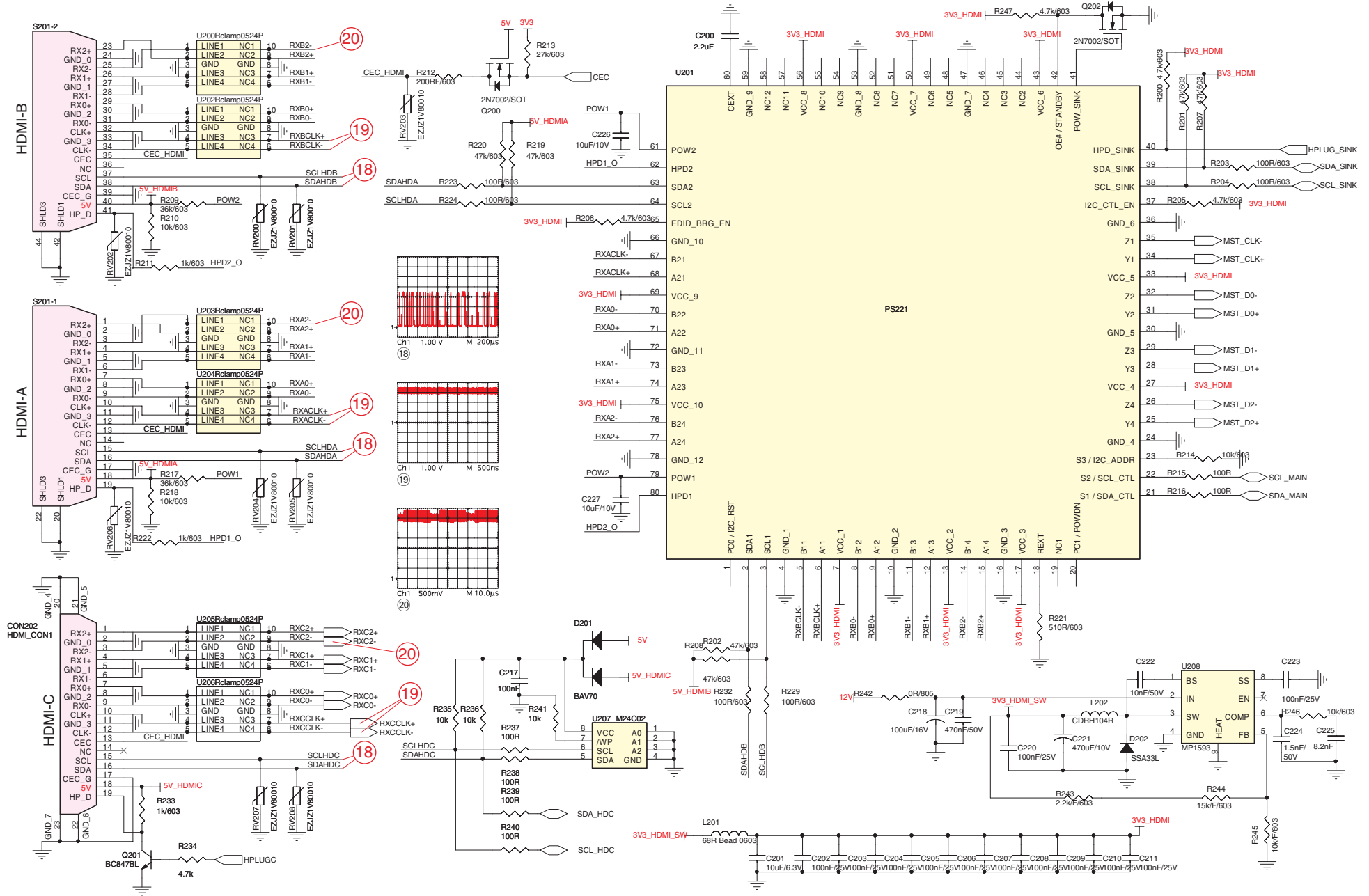
6

Chassis - Eingänge / Inputs



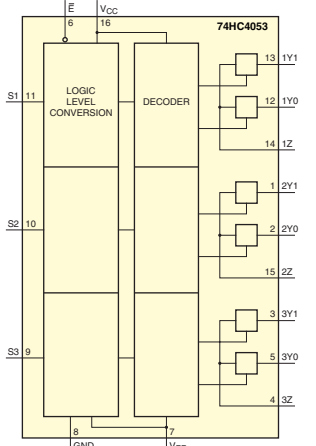
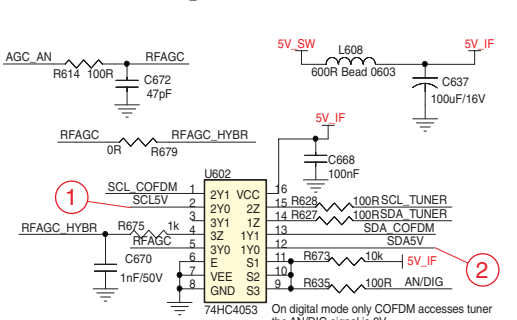
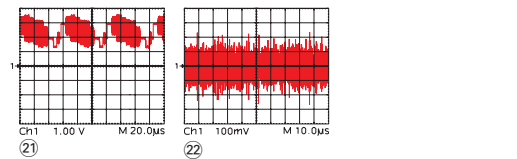
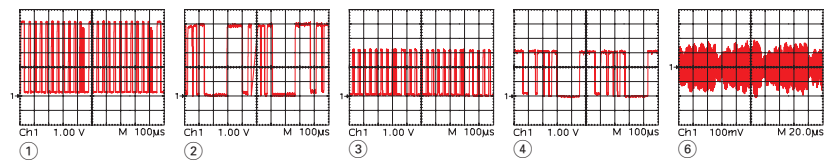
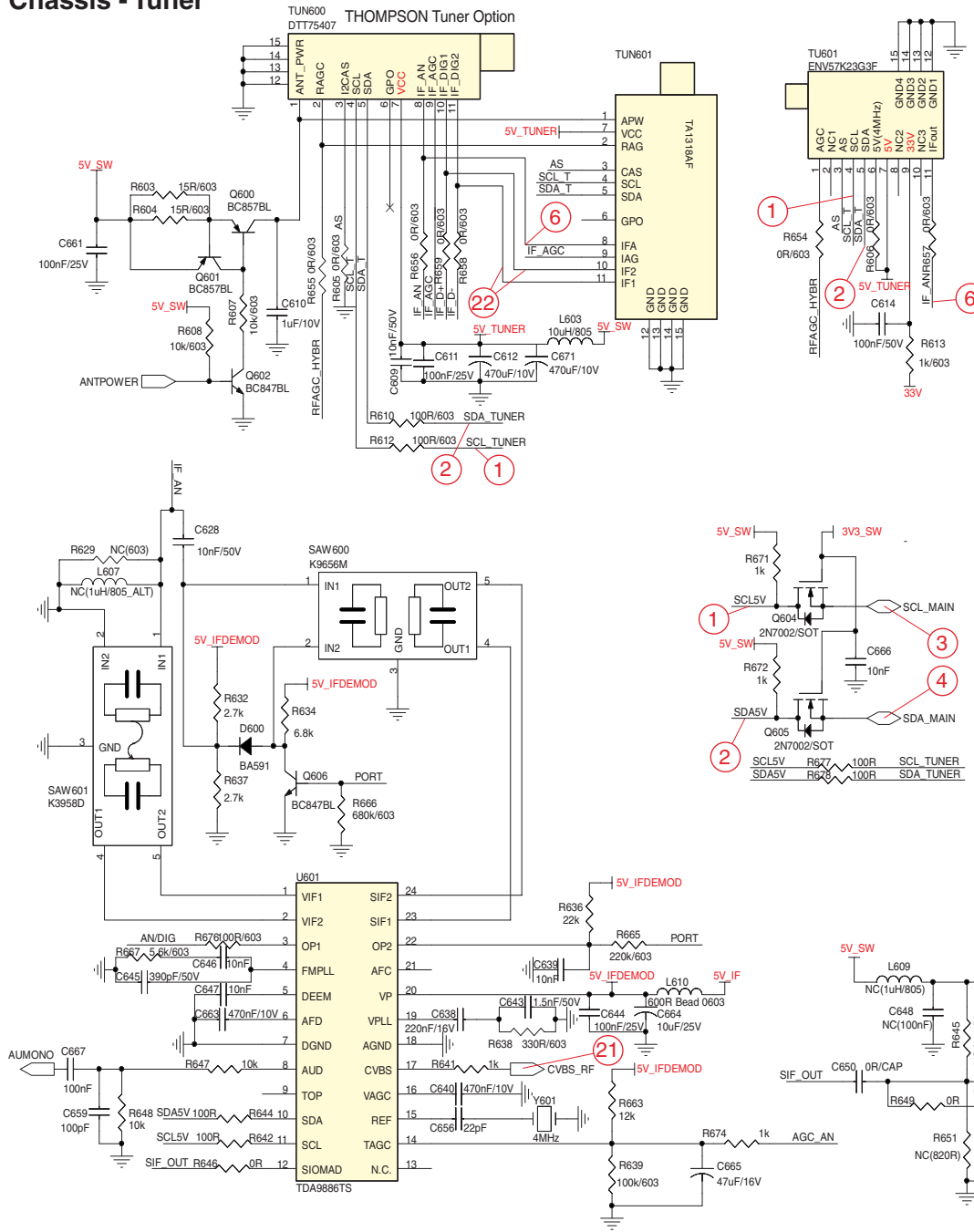
10

Chassis - Eingänge / Inputs

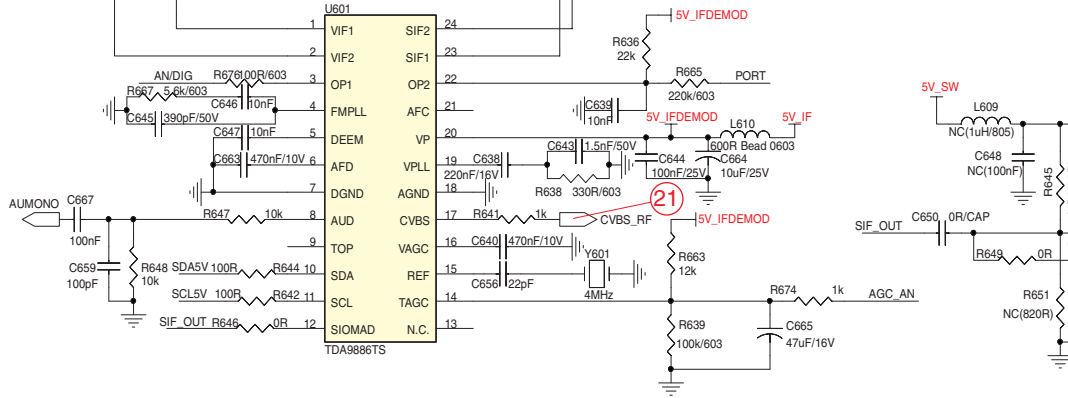
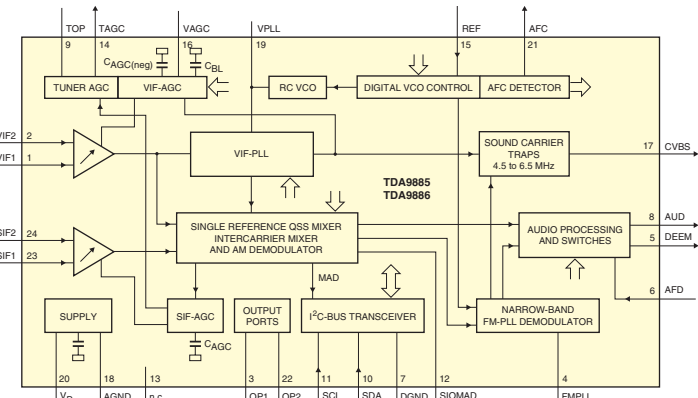


Chassis - Tuner

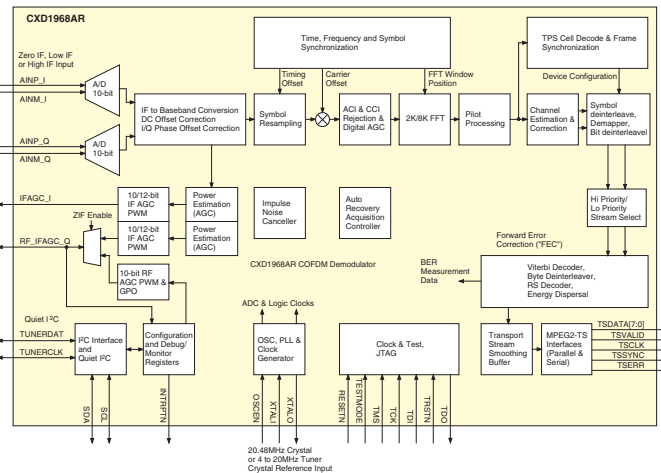
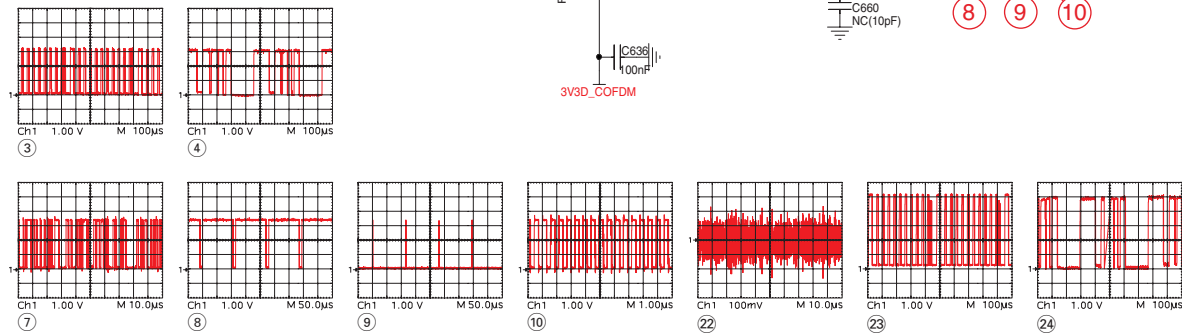
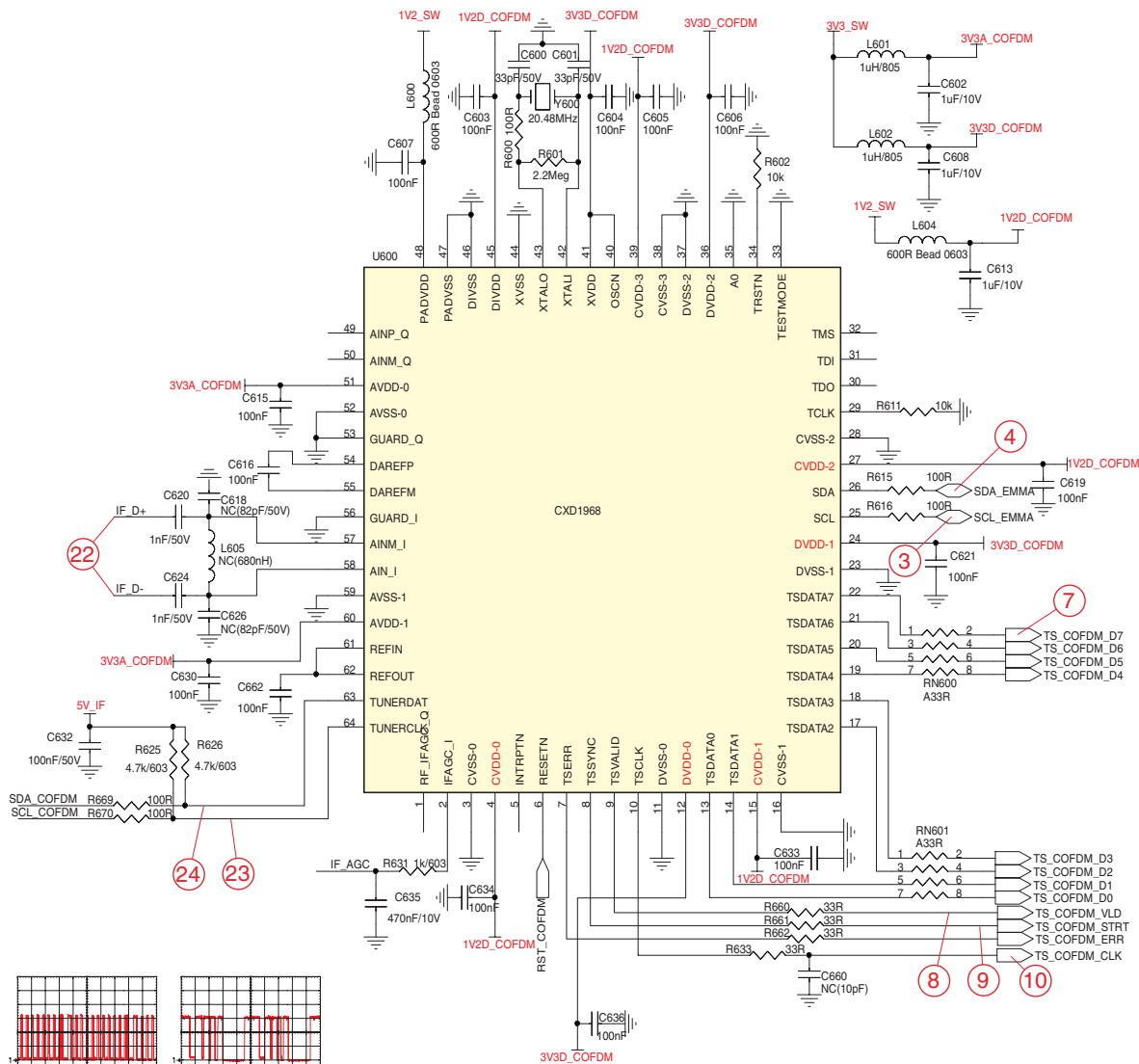
13



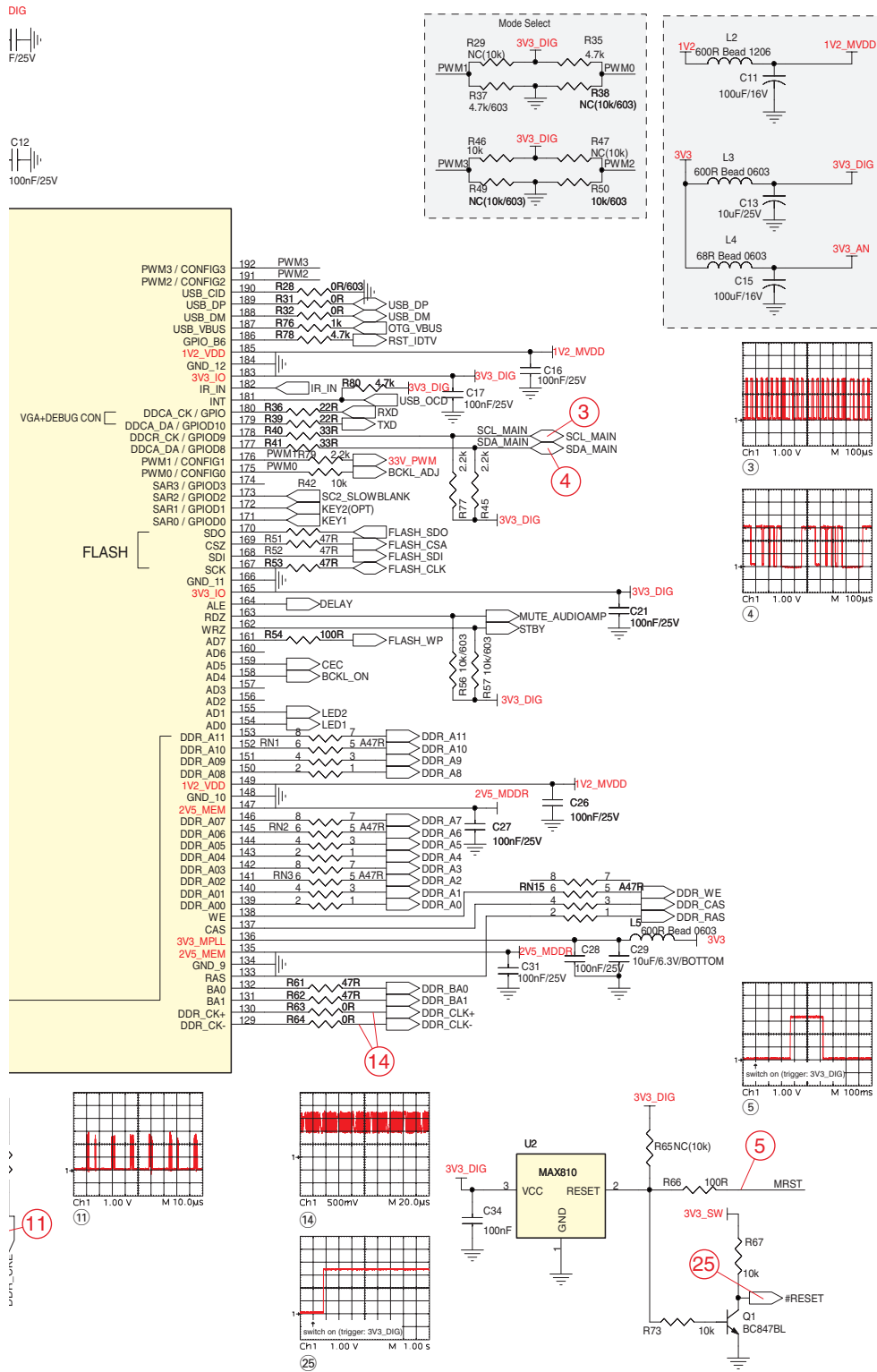
On digital mode only COFDM accesses tuner the AN/DIG signal is 0V
 On analog mode COFDM sleeps, AN/DIG is 3v3

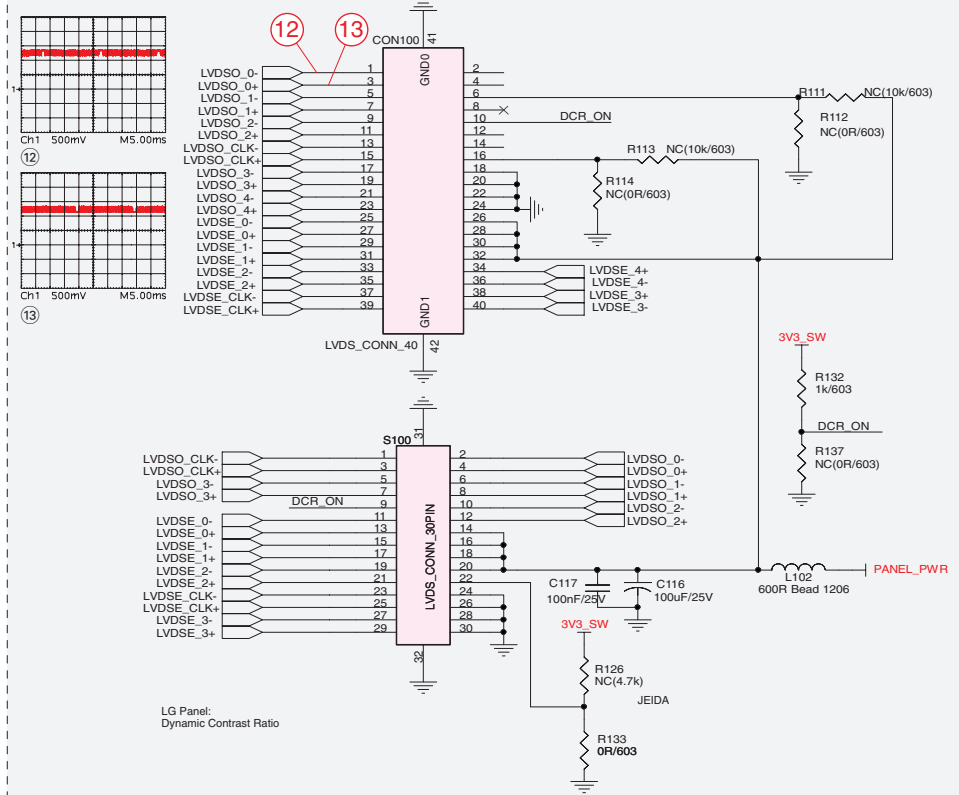
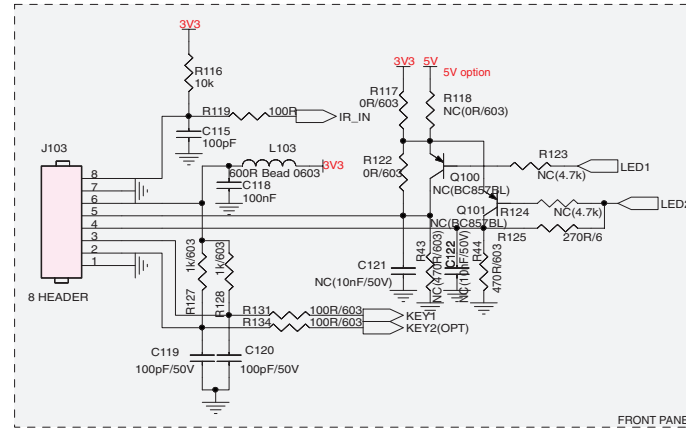
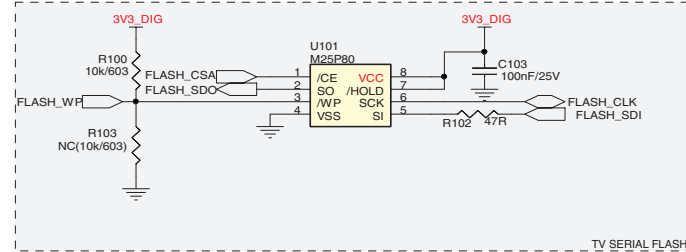
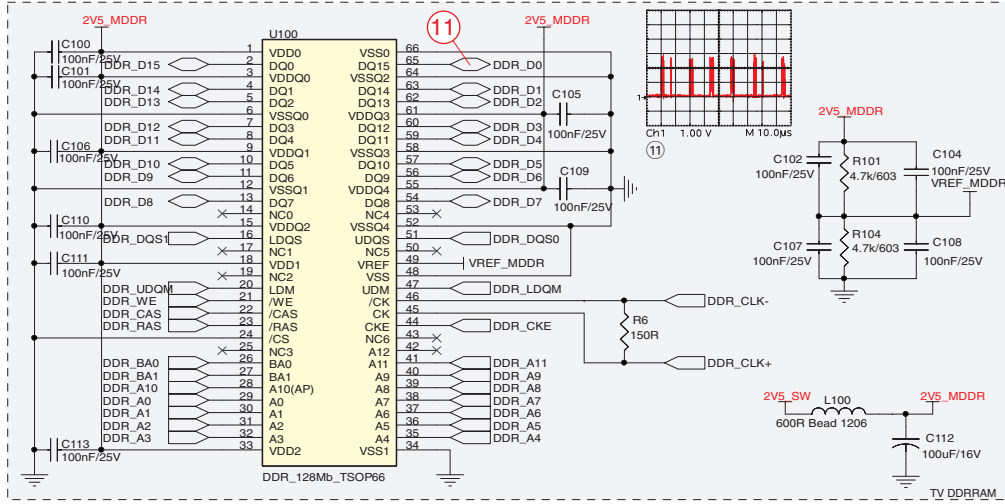


Chassis - COFDM

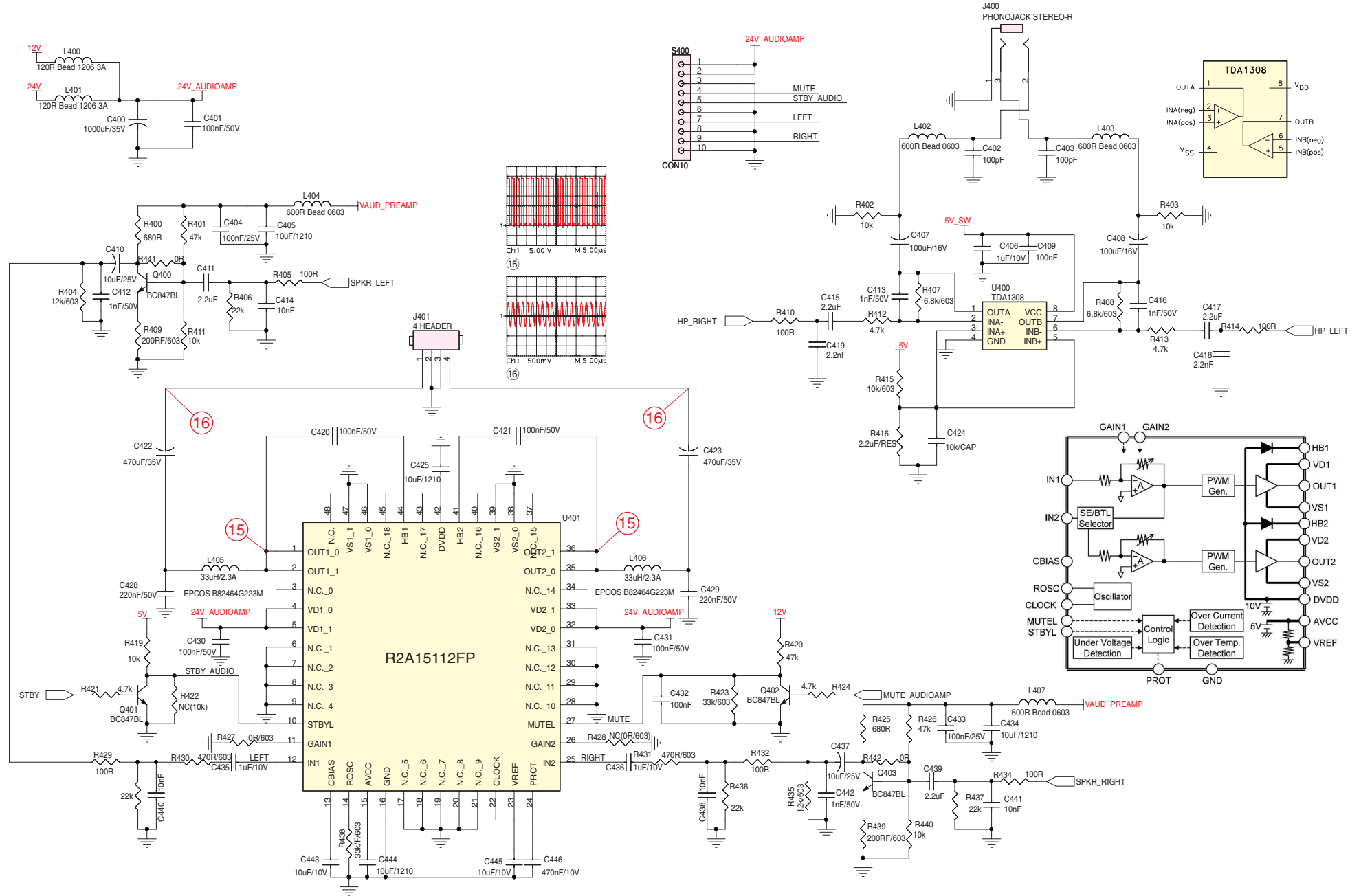


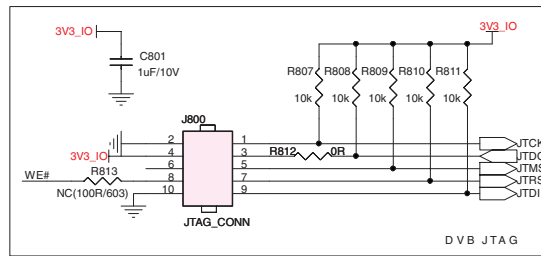
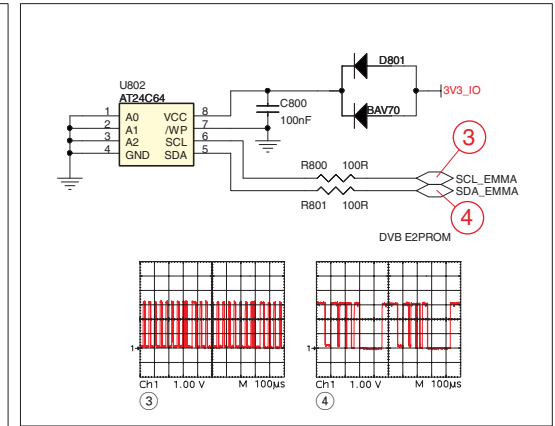
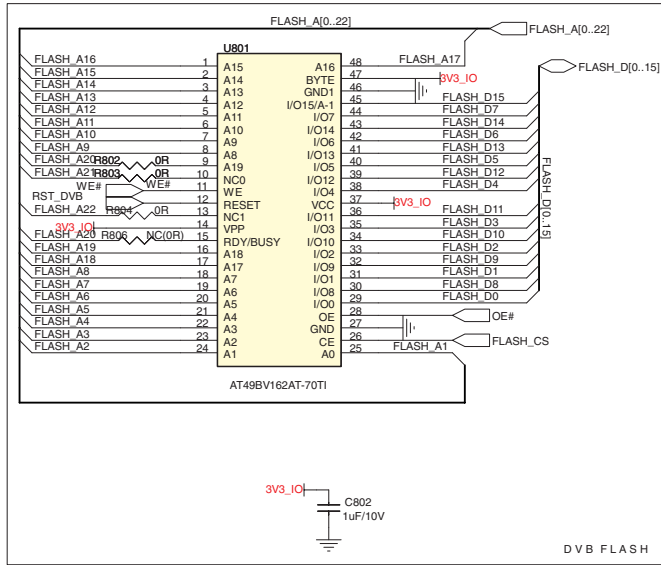
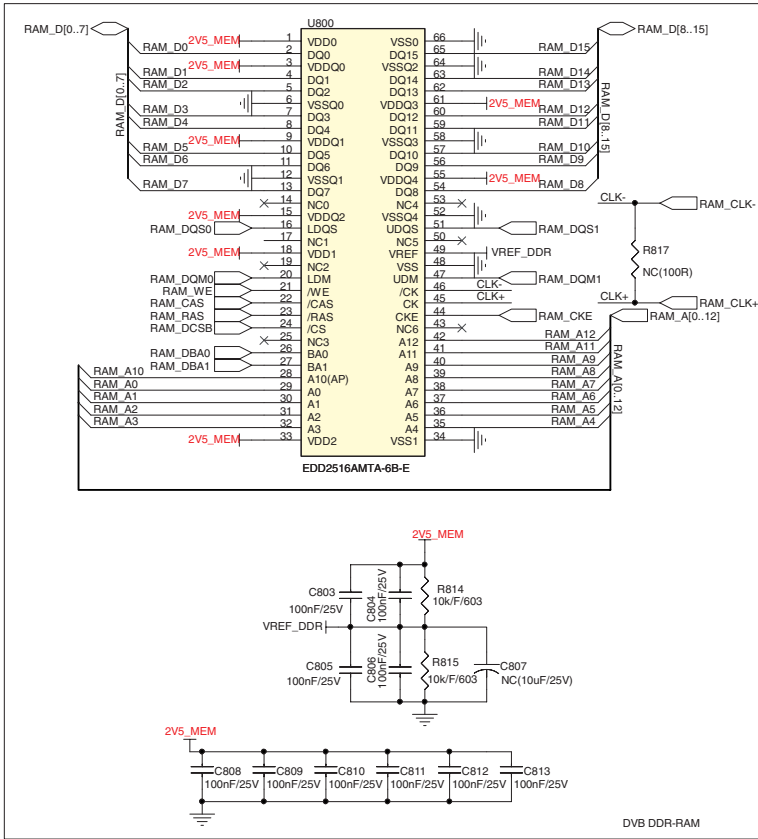
Chassis - Scaler



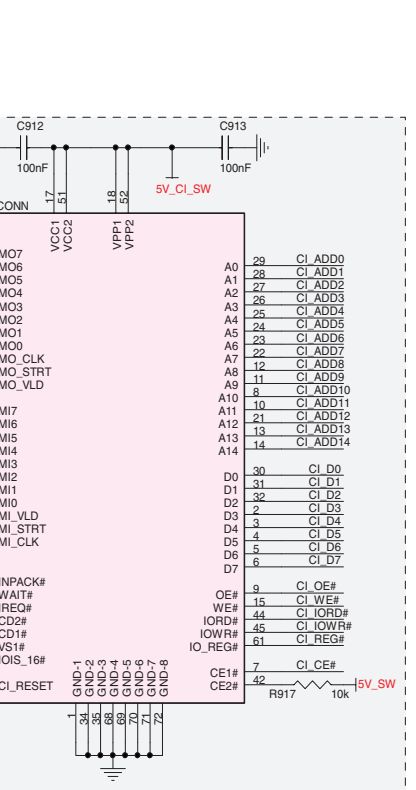
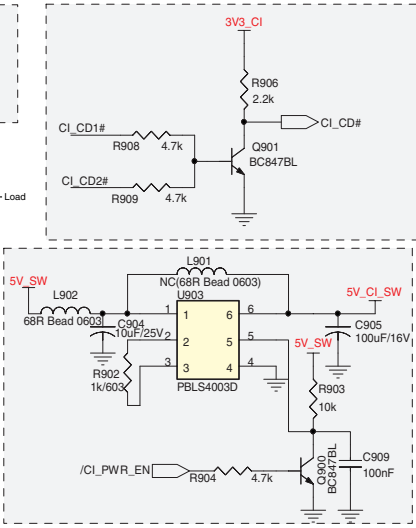
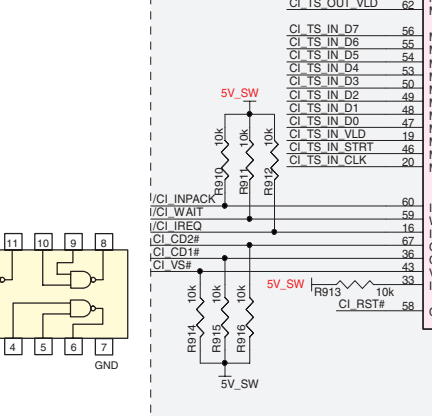
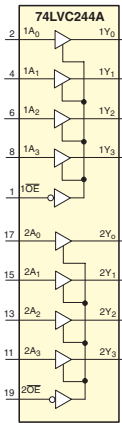
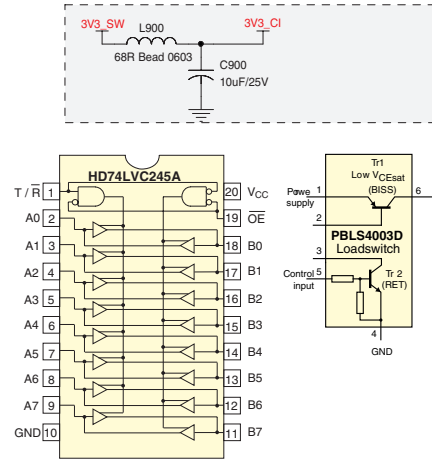
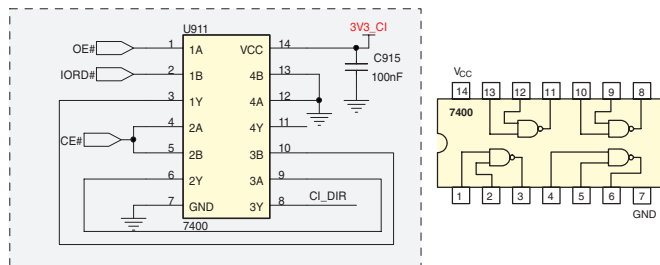
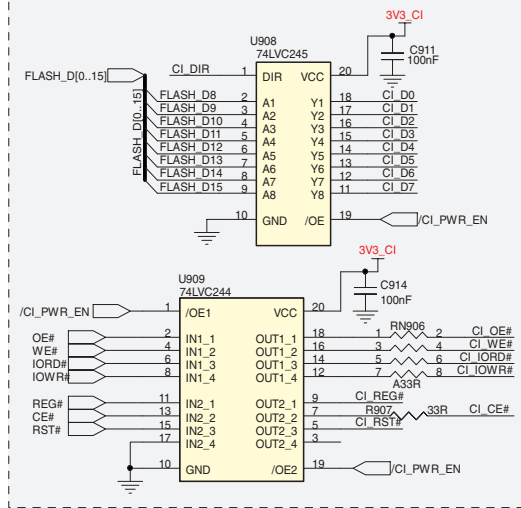
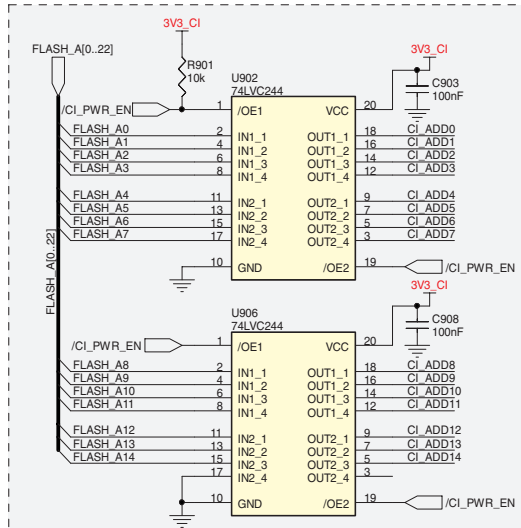
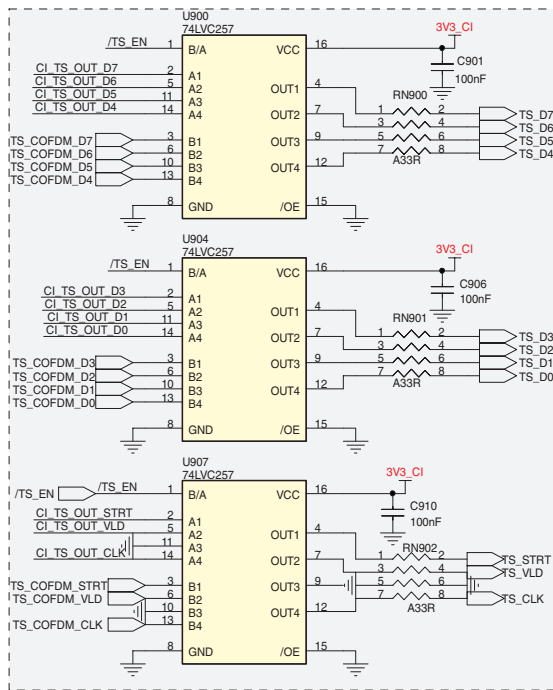
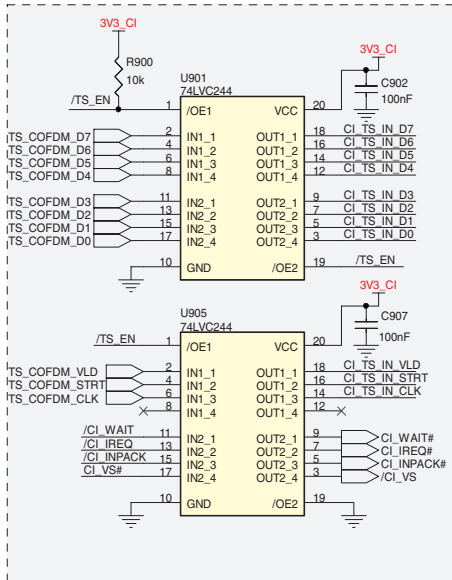


Chassis - Audio Verstärker / Audio Amplifier



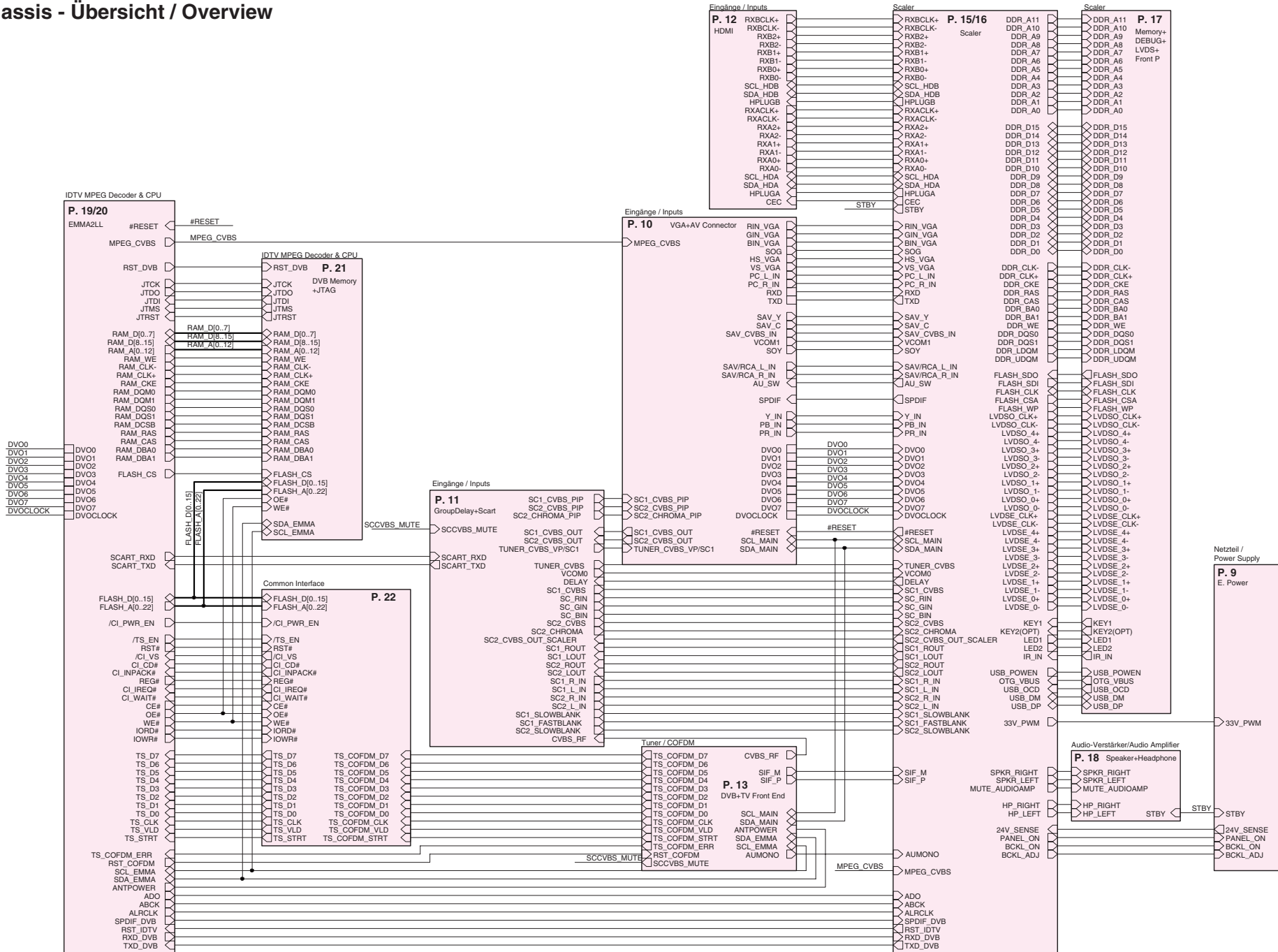


Chassis - Common Interface

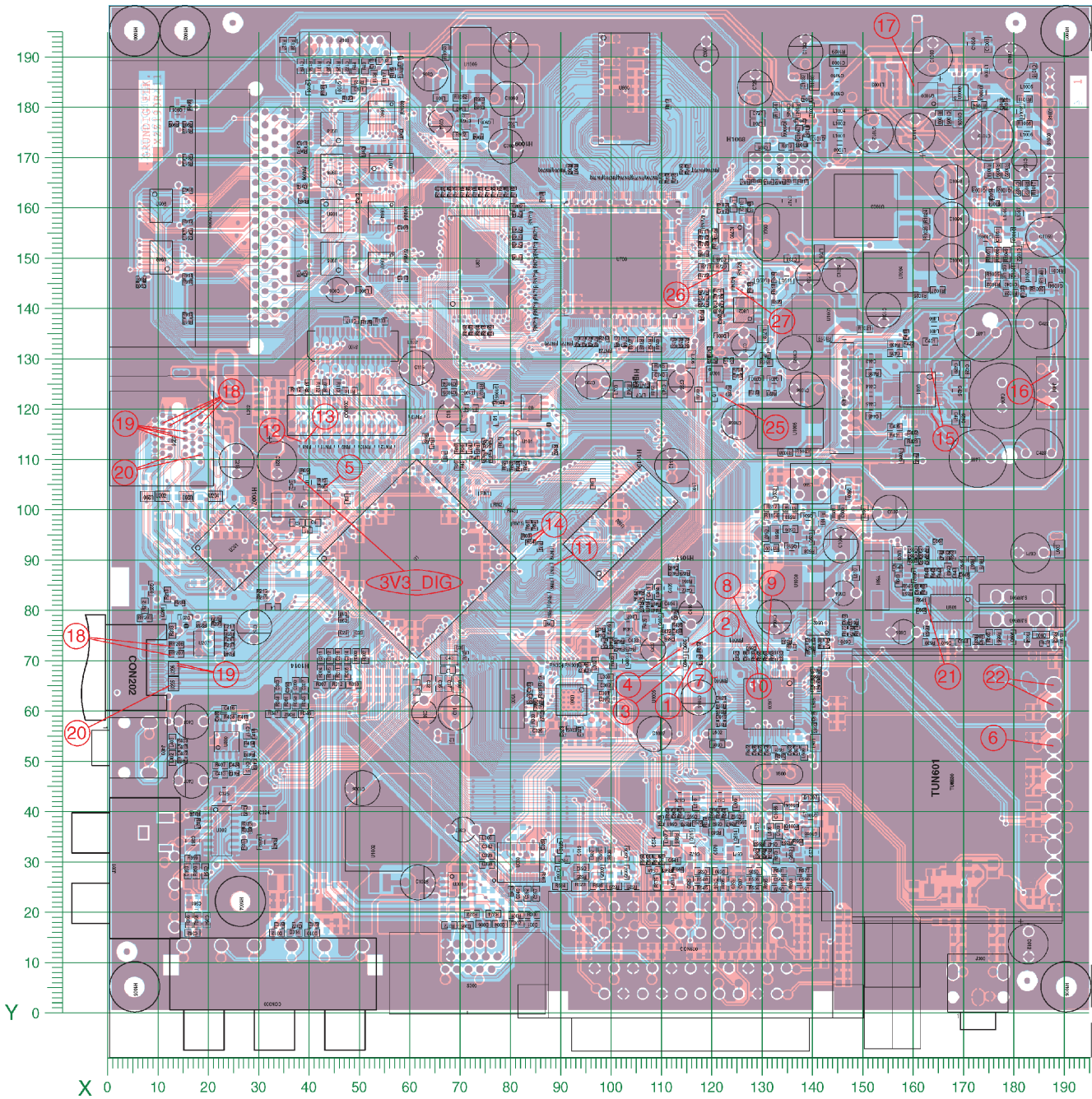


Chassis - Übersicht / Overview

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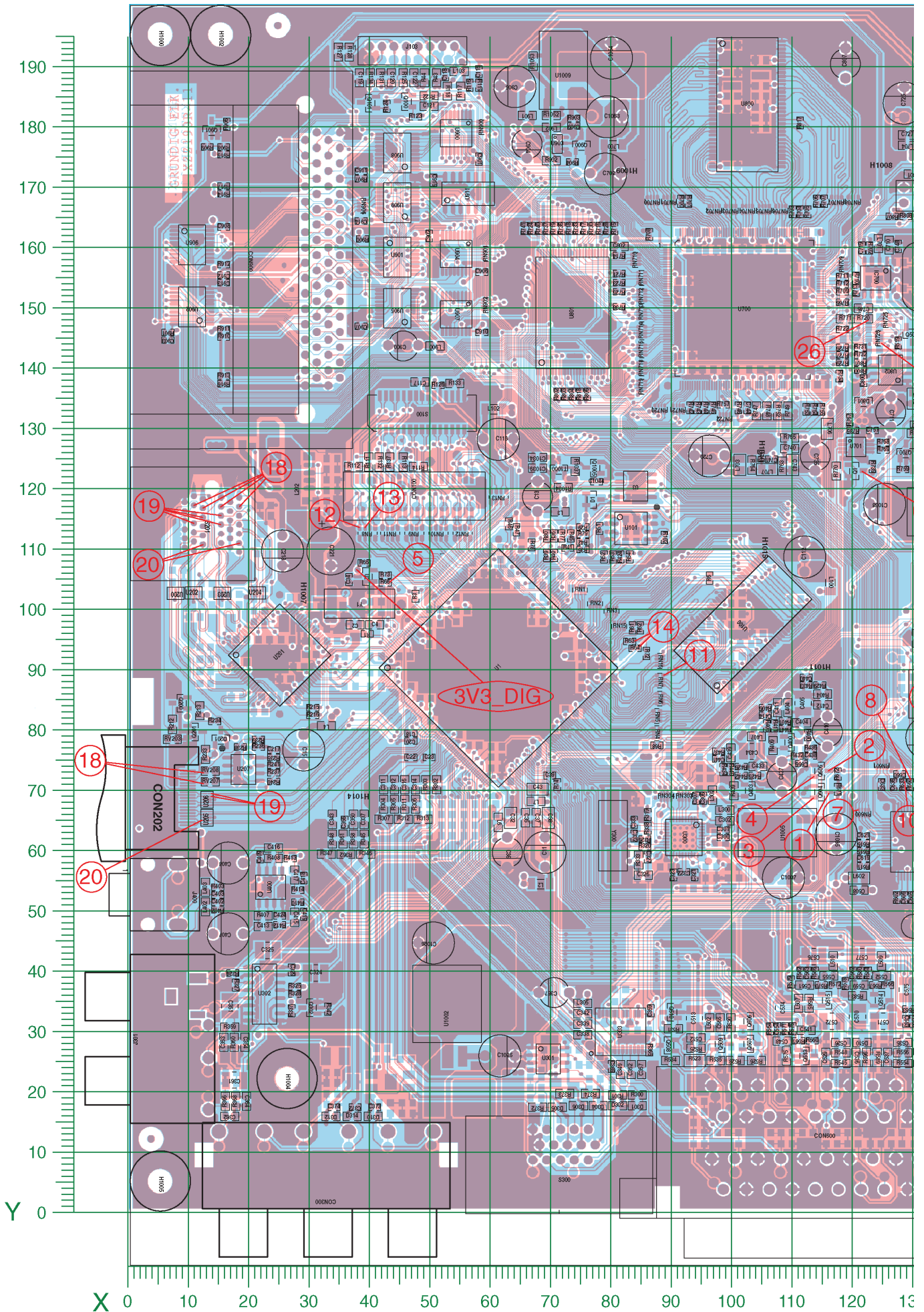


Chassisplatte / Chassis Board - XZZ.190R-11 Sicht auf Bestückungsseite / View on Component Side



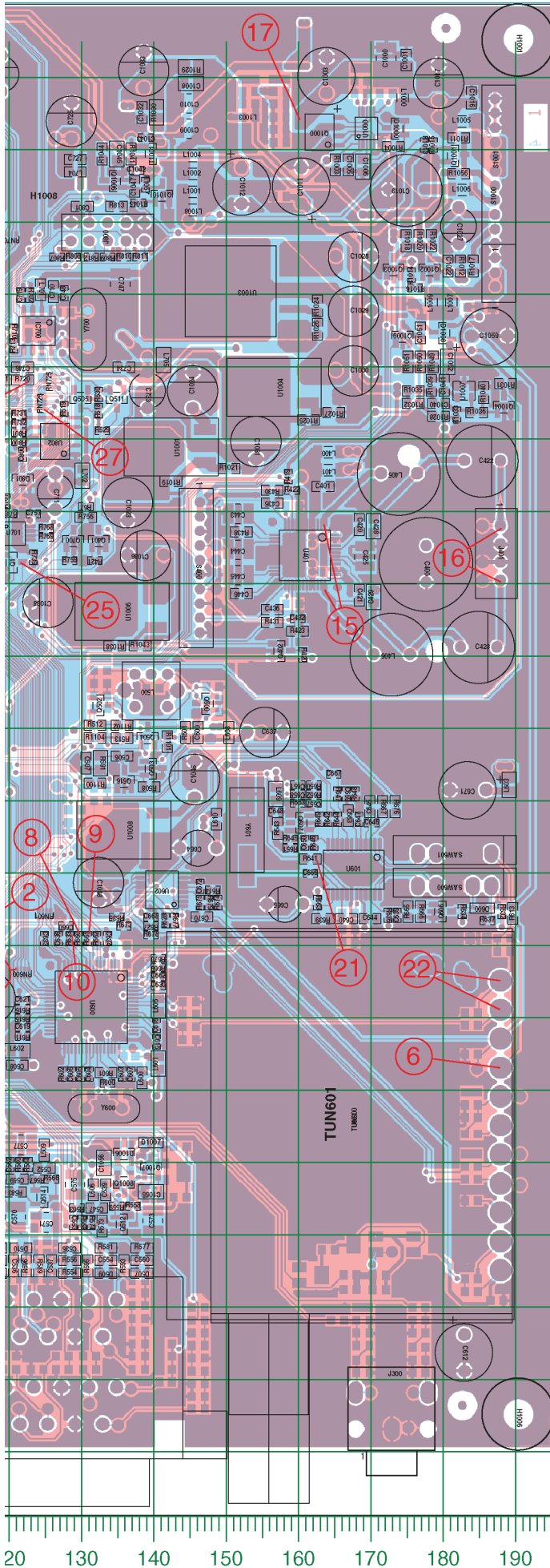
Chassisplatte / Chassis Board - XZZ.190R-11

Sicht auf Bestückungsseite / View on Component Side



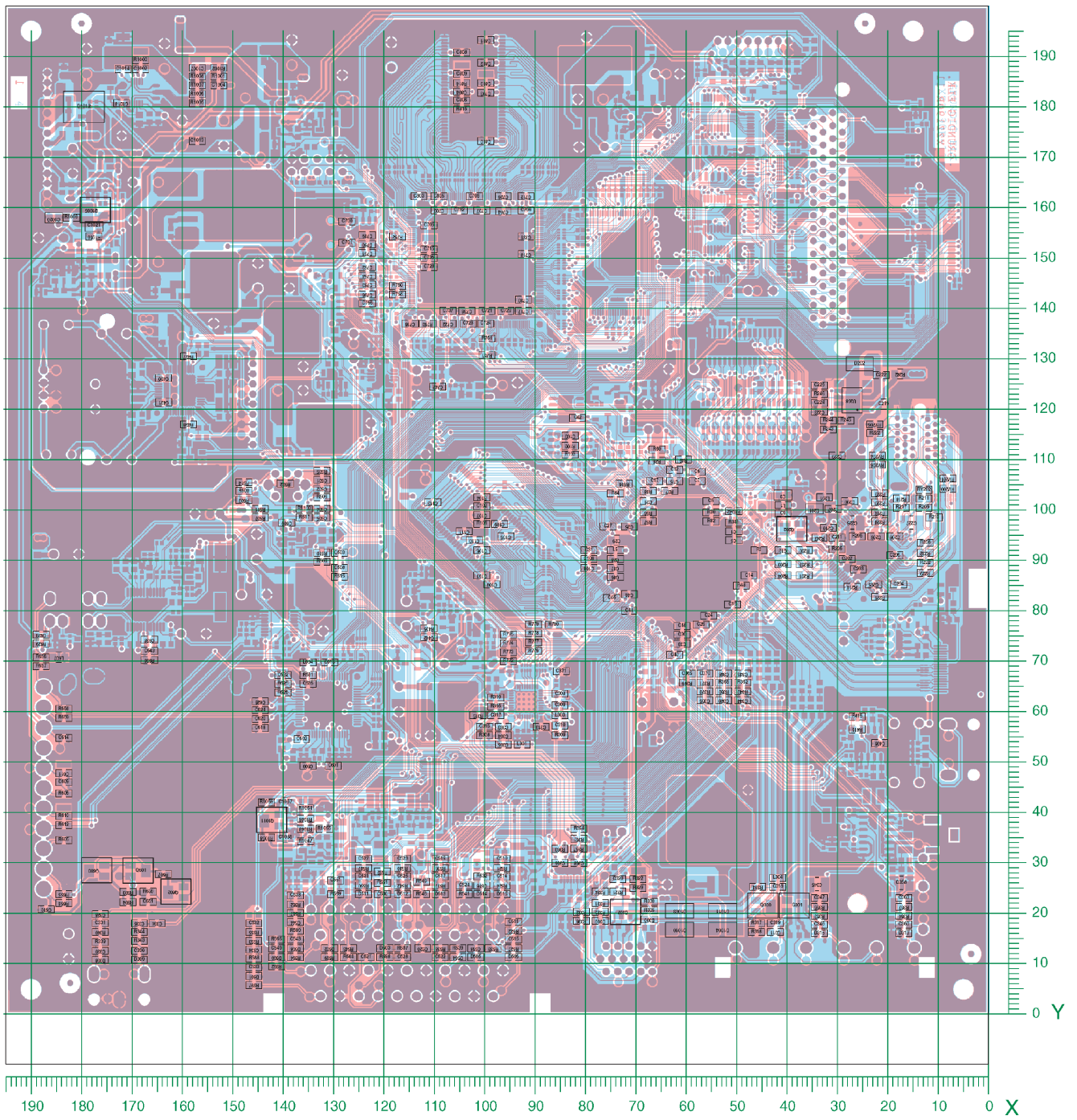
Chassisplatte / Chassis Board - XZZ.190R-11

Sicht auf Bestückungsseite / View on Component Side



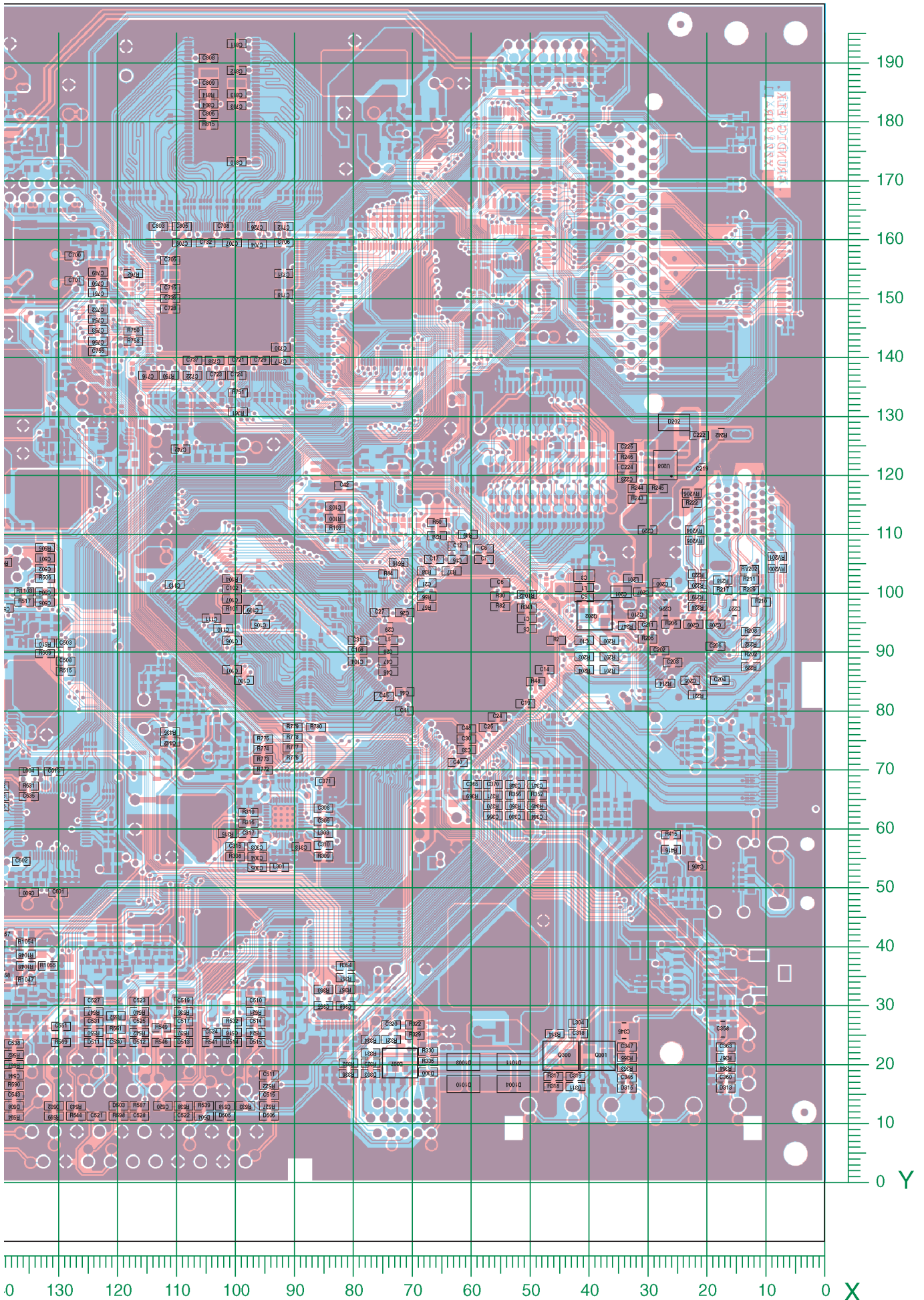
Chassisplatte / Chassis Board - XZZ.190R-11

Sicht auf Lötseite / View on Solder Side



Chassisplatte / Chassis Board - XZZ.190R-11

Sicht auf Lötseite / View on Solder Side



Koordinaten für die Bauteile der Chassisplatte XZZ.190R-11 (* Bauteile der Lötseite)
Coordinates of the Components of Chassis Board XZZ.190R-11 (* components of Solder Side)

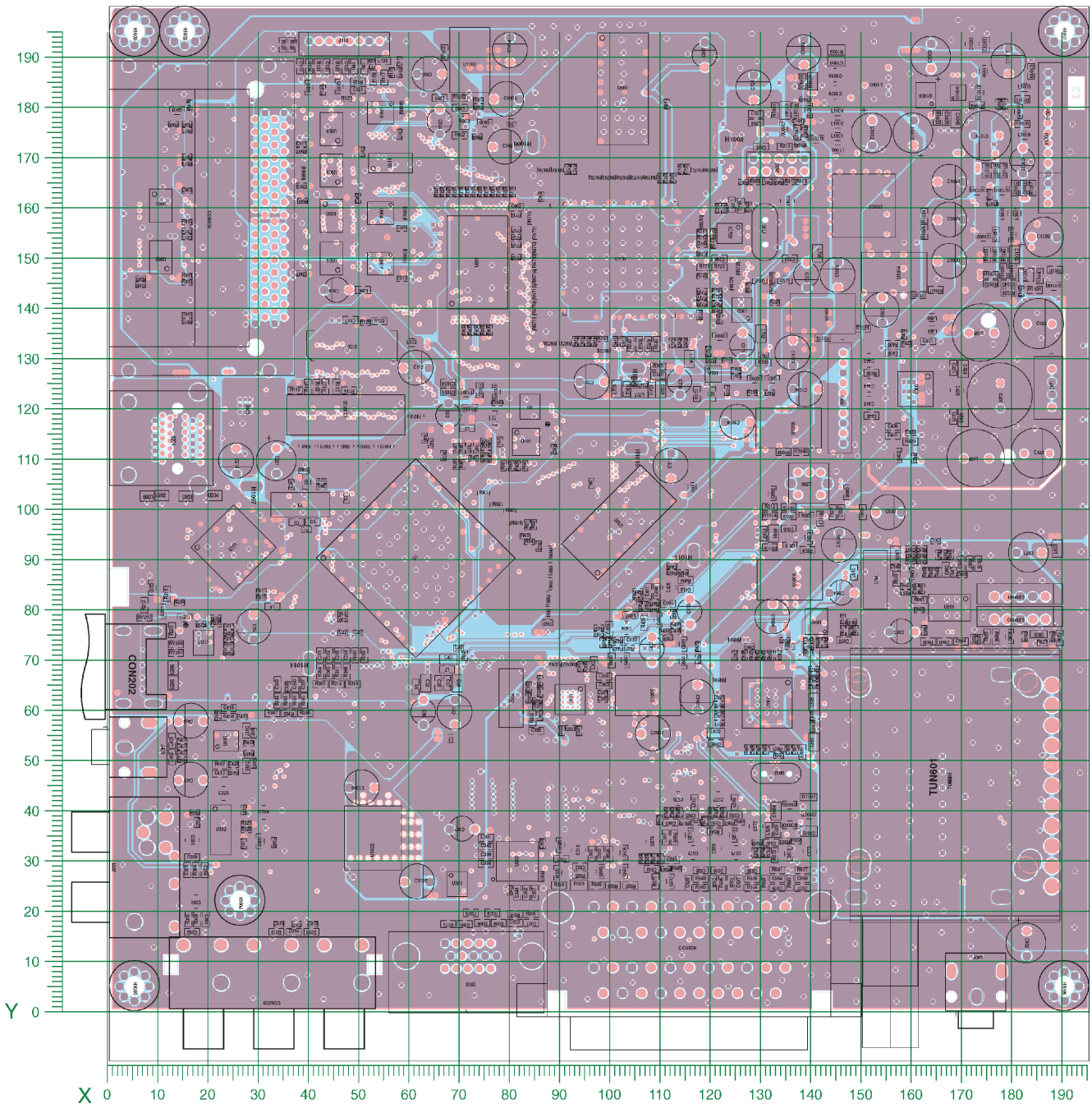
Pos.-Nr./ Pos. No.	Koordinaten/ Coordinates		Pos.-Nr./ Pos. No.	Koordinaten/ Coordinates		Pos.-Nr./ Pos. No.	Koordinaten/ Coordinates		Pos.-Nr./ Pos. No.	Koordinaten/ Coordinates		Pos.-Nr./ Pos. No.	Koordinaten/ Coordinates				
	X	Y		X	Y		X	Y		X	Y		X	Y	X	Y	
C1*	51	96	C206*	19	91	C359	86	33	C515*	94	15	C632*	140	67	C746	122	150
C2	37	97	C207*	31	100	C360*	17	18	C516*	101	26	C633	125	71	C747	135	161
C3*	41	103	C208*	19	95	C361	17	22	C517*	109	27	C634	133	71	C748	127	160
C4	41	97	C209*	22	95	C362	17	16	C518*	102	13	C635*	135	66	C749*	123	155
C5*	51	94	C210*	32	97	C363*	17	23	C519*	109	31	C636	127	71	C750*	123	153
C6*	55	102	C211*	30	95	C364	19	18	C520*	112	13	C637	155	99	C751*	123	151
C7*	58	106	C217	24	77	C365*	60	68	C521*	124	11	C638*	167	74	C752*	123	148
C8*	58	108	C218	25	110	C366*	56	62	C522*	109	11	C639	173	74	C753*	123	145
C9*	41	99	C219*	21	121	C367	70	36	C523*	116	31	C640	166	74	C754*	123	147
C10*	41	92	C220*	30	111	C368*	81	30	C524*	104	26	C643*	167	72	C755*	123	141
C11	69	60	C221	33	110	C369	80	24	C525*	116	27	C644	170	74	C756*	123	143
C12*	62	108	C222*	21	127	C370*	56	68	C526	118	28	C645	170	89	C757	123	130
C13	68	119	C223*	34	120	C371*	85	68	C527*	124	31	C646	170	87	C800	122	138
C14*	48	87	C224*	34	121	C372	37	17	C528*	116	11	C647	168	87	C801	130	172
C15	29	77	C225*	34	125	C373	41	17	C529	115	26	C648	157	88	C802	81	160
C16*	62	106	C226*	27	98	C374	34	17	C530*	120	24	C650	161	84	C803*	113	162
C17*	66	106	C227*	15	98	C400	177	123	C531*	124	27	C651	160	92	C804*	105	183
C18	47	79	C300	98	62	C401	163	133	C532*	146	18	C656	161	80	C805*	109	162
C19*	51	81	C301	98	63	C402	15	51	C533*	146	9	C657	162	90	C806*	105	181
C20	47	78	C302	99	65	C403	15	53	C534*	146	13	C658	160	91	C807	119	190
C21*	68	102	C303*	96	57	C404	111	81	C535	128	28	C659	166	91	C808*	105	191
C22	47	75	C304*	96	55	C405	112	84	C536	120	26	C660	128	73	C809*	105	187
C23	50	75	C305*	96	54	C406*	22	54	C537	126	26	C661*	167	22	C810*	100	173
C24*	56	79	C306	95	69	C407	16	46	C538*	138	24	C662	140	66	C811*	100	193
C25*	57	77	C307	94	69	C408	16	58	C539	133	36	C663	167	88	C812*	100	189
C26*	71	97	C308*	85	64	C409	22	59	C541	112	30	C664	146	83	C813*	100	185
C27*	76	97	C309*	85	61	C410	116	80	C543*	138	15	C665	158	76	C900	45	144
C28*	74	90	C310*	85	57	C411	107	84	C544*	138	18	C666	111	74	C901	58	175
C29*	74	94	C311	42	71	C412	115	84	C547	132	34	C667	165	94	C902	50	162
C30*	61	75	C312	44	71	C413	22	47	C548	108	28	C668	139	74	C903	6	145
C31*	79	92	C313*	89	57	C414	105	82	C549*	141	13	C670	146	74	C904	66	177
C32	63	65	C314	47	71	C415	27	49	C551*	130	27	C671	183	91	C905	64	187
C33*	61	74	C315*	100	57	C416	24	60	C552	125	39	C672	146	78	C906	58	156
C34	36	105	C316	46	71	C417	27	56	C553	129	32	C700*	127	157	C907	38	147
C35	66	65	C317*	98	59	C418	29	55	C554	107	30	C701*	127	153	C908	16	163
C36	63	60	C318*	42	25	C419	29	49	C555	116	39	C702	79	172	C909	74	180
C37	67	65	C319*	42	18	C420	168	128	C559	121	38	C703*	100	183	C910	58	146
C38	69	65	C320*	74	27	C421	168	118	C560	138	26	C704*	96	159	C911	38	173
C39	70	72	C321	94	56	C422	185	137	C561	112	38	C705*	111	157	C912	16	155
C40*	62	71	C322	92	56	C423	185	111	C562	120	40	C706*	92	160	C913	16	154
C41*	71	80	C323	90	56	C424	25	49	C563	112	40	C707*	101	160	C914	38	164
C42*	82	118	C324	31	40	C425	169	124	C564	133	26	C708*	102	162	C915	50	171
C43	68	70	C325	23	43	C428	170	128	C565	98	31	C709*	109	160	C1000	172	193
C44*	71	83	C326	85	56	C429	170	118	C570	121	32	C710	126	160	C1001	175	192
C45*	75	83	C327	86	59	C430*	164	126	C571	125	32	C711	126	133	C1002*	168	188
C46*	74	87	C328*	176	20	C431*	164	121	C572	116	32	C712*	92	162	C1003	164	190
C47*	74	89	C329	27	40	C432	160	115	C573	140	32	C715*	111	152	C1004*	153	184
C48*	61	77	C330*	176	13	C433	104	74	C574	108	34	C716*	115	137	C1005	167	178
C100*	99	85	C331*	176	18	C434	103	76	C575	129	37	C717*	92	140	C1006	169	178
C101*	101	87	C332	84	62	C435	156	131	C576	113	42	C718*	92	151	C1007*	157	188
C102*	101	101	C333	84	65	C436	156	116	C577	121	42	C719	121	160	C1008	145	189
C103*	83	115	C334*	165	18	C437	108	72	C600*	135	49	C720	96	125	C1009	145	183
C104*	79	89	C335*	169	18	C438	113	76	C601*	130	49	C721*	100	140	C1010	145	186
C105*	96	95	C336*	169	13	C439	100	76	C602*	136	55	C722*	107	137	C1011	160	175
C106*	101	92	C337	39	65	C440	112	89	C603	135	52	C723*	103	137	C1012	152	175
C107*	101	99	C338	75	29	C441	98	75	C604	131	52	C724*	100	137	C1013*	157	173
C108*	79	90	C339	75	31	C442*	111	75	C605	130	52	C725	128	184	C1014*	172	188
C109*	97	97	C340*	53	62	C443	151	130	C606	128	52	C726*	96	162	C1016	184	187
C110*	102	94	C341*	49	68	C444	151	125	C607	137	52	C727	129	179	C1017	179	189
C111*	104	96	C342	75	33	C445	151	121	C608	121	53	C728*	111	148	C1018*	172	181
C112	112	109	C343	34	65	C446	152	119	C609*	184	46	C729*	96	140	C1019	175	174
C113*	110	102	C344*	49	62	C500	146	99	C610*	187	21	C730*	92	142	C1020*	186	158
C115	58	189	C345*	34	26	C501*	132	106	C611*	184	48	C731*	92	154	C1021*	178	156
C116	61	128	C346*	34	18	C502*	132	104	C612	183	14	C732*	105	160	C1022	180	164
C117	48	138	C347*	34	23	C503*	129	92	C613*	131	70	C733	139	147	C1023	136	131
C118	52	189	C348*	53	68	C504*	132	100	C614*	184	55	C734	136	150	C1024	145	147
C119	38	188	C349	81	24	C505*	132	99	C615	140	57	C735	114	125	C1025	61	26
C120	43	188	C350	37	65	C506	135	96	C616	140	59	C736*	111	150	C1026	50	45
C121	50	183	C351	17	34	C507	130	95	C618*	145	57	C737*	107	140	C1027	182	169
C122	47	188	C352	83	24	C508*	129	89	C619	122	59	C738*	104	140	C1028	167	165
C200*	28	102	C353	16	28	C509*	139	98	C620*	145	59	C740	109	127	C1029	167	158
C201*	35	100	C354	19	28	C510*	97	31	C621	122	62	C741	106	125	C1030	167	149
C202*	28	90	C355*	85	30	C511*	94	18	C624*	145	60	C742*	109	125	C1031	154	140
C203*	26	88	C356	36	65	C512	94	29	C626*	145	62	C743	110	124	C1032	138	185
C204*	18	85	C357	85	24	C513	94	32	C628*	188	75	C744	102	133	C1033	138	191
C205*	23	85	C358*	17	26	C514*	97	27	C630	140	64	C745	105	125	C1034	68	125

Koordinaten für die Bauteile der Chassisplatte XZZ.190R-11 (* Bauteile der Lötseite)
Coordinates of the Components of Chassis Board XZZ.190R-11 (* components of Solder Side)

Pos.-Nr./ Pos. No.	Koordinaten/ Coordinates		Pos.-Nr./ Pos. No.	Koordinaten/ Coordinates		Pos.-Nr./ Pos. No.	Koordinaten/ Coordinates		Pos.-Nr./ Pos. No.	Koordinaten/ Coordinates		Pos.-Nr./ Pos. No.	Koordinaten/ Coordinates				
	X	Y		X	Y		X	Y		X	Y		X	Y			
C1035	117	63	IC700	124	155	Q202*	39	96	R62	85	97	R241	24	74	R369*	60	66
C1036	139	124				Q300*	45	22	R63	83	95	R242*	18	127	R370*	56	64
C1037	108	55	J103	40	193	Q301*	39	22	R64	84	93	R243*	32	116	R371*	56	66
C1038	125	117	J300	173	3	Q302	30	34	R65	39	108	R244*	32	118	R372	68	17
C1039	68	123	J301	1	29	Q400	110	78	R66	42	104	R245*	28	118	R373	72	20
			J400	3	53												
C1040	179	145	J401	188	128	Q401	132	126	R67	130	131	R246*	34	123	R374	76	20
C1041	180	147				Q402	157	111	R68	87	77	R247*	34	95	R400	112	79
C1042	137	177	J800	128	167	Q403	103	70	R72	86	93	R300	84	19	R401	109	81
C1043	139	182				Q500	147	103	R73	42	106	R301	81	19	R402	15	50
C1044	77	121	L1*	41	101	Q502	132	103	R74	71	71	R302	51	71	R403	15	54
			L2	68	54												
C1045	135	179	L3	71	116	Q503	140	94	R77	72	112	R303	49	71	R404	115	86
C1046	145	93	L4	33	81	Q504	139	99	R78	67	111	R304	42	68	R405	106	81
C1047	137	175	L5*	74	92	Q505	130	145	R79	75	112	R305	44	68	R406	105	84
C1048	132	79				Q506	103	32	R80	69	112	R306	47	68	R407	22	49
C1051	177	155	L6	61	65	Q507	103	28	R82*	55	98	R307	42	65	R408	24	59
			L7	67	68												
C1052	180	151	L100	116	104	Q508	89	28	R84*	74	103	R308*	100	55	R409	107	77
C1053	79	182	L102	60	133	Q509	98	28	R100*	83	113	R309*	85	55	R410	28	51
C1054	80	191	L103	55	189	Q510	90	33	R101*	101	97	R310*	98	63	R411	107	81
C1055	139	36				Q511	135	145	R102	89	112	R311	46	68	R412	25	48
C1056	133	40	L201*	33	103	Q512	136	31	R103*	83	111	R312	45	65	R413	27	59
			L202	28	120												
C1057*	140	42	L300	99	67	Q513	112	26	R104*	101	103	R313	49	65	R414	28	53
C1058*	140	35	L301*	93	54	Q514	125	35	R111	40	124	R314*	46	25	R415*	26	59
C1059	186	154	L302	97	69	Q515	116	35	R112	37	124	R315*	101	59	R416*	26	57
						Q516	136	93	R113	45	124	R316*	98	61	R419	158	135
CON100	47	119	L303*	85	59	Q600*	177	29	R114	48	124	R317*	46	18	R420	160	110
CON202	5	69	L304*	42	27												
CON300	33	2	L305	75	34	Q601*	169	29	R116	56	187	R318*	46	16	R421	132	123
CON500	115	-1	L400	164	138	Q602*	161	24	R117	55	186	R319	86	66	R422	159	133
CON900	35	179	L401	164	136	Q604	115	70	R118	53	186	R320	85	61	R423	160	113
						Q605	115	73	R119	58	187	R321*	74	24	R424	81	109
D1	77	118	L402	13	51	Q606	180	75	R122	50	185	R322*	70	27	R425	104	72
D201	15	79	L403	13	54												
D202*	26	129	L404	109	84	Q607	160	87	R123	47	182	R323*	77	20	R426	101	74
D300*	67	19	L405	174	135	Q700	129	126	R124	43	183	R324	17	40	R427*	159	131
D301	84	18	L406	173	110	Q900	75	177	R125	45	188	R325	27	37	R428*	159	117
						Q901	14	180	R126	51	137	R326	85	62	R429	114	87
D302	81	18	L407	104	79	Q1000	163	182	R127	35	192	R327	18	38	R430	156	133
D303*	77	19	L500	139	105												
D304	78	18	L502	96	31	Q1001	181	179	R128	36	192	R328	27	36	R431	156	115
D305	71	17	L506	131	36	Q1002	178	164	R131	42	188	R329*	70	25	R432	111	76
D306	74	18	L507	111	35	Q1003	173	164	R132	41	124	R330*	67	22	R433	112	87
						Q1004	188	145	R133	54	137	R331*	77	22	R434	98	73
D307*	72	20	L509	125	42	Q1005	77	123	R134	40	188	R332*	81	20	R435*	111	77
D308*	176	11	L510	117	42												
D309*	169	11	L600	138	52	Q1006	134	176	R137	43	124	R333	84	58	R436	113	77
D310	40	16	L601	140	54	Q1007	139	39	R200*	37	92	R334*	77	24	R437	98	76
D311*	42	16	L602	121	55	Q1008	136	37	R201*	37	87	R335*	67	21	R438	152	127
						Q1009	174	154	R202*	13	90	R336*	81	19	R439	100	70
D312	33	16	L603	189	92	Q1010	141	174	R203*	41	89	R337	27	33	R440	100	73
D313*	17	16	L604*	135	70												
D314	37	16	L605	140	62	Q1011*	142	39	R204*	41	87	R338	86	64	R441	109	80
D315*	34	16	L607*	185	71				R205*	30	92	R339*	176	14	R442	101	72
D500*	141	11	L608	150	99	R1	39	96	R206*	26	95	R340*	176	16	R500*	148	104
						R2*	46	92	R207*	37	89	R341*	51	98	R501	144	99
D501*	146	8	L609	157	91	R3	47	102	R208*	13	94	R342	33	34	R502*	140	105
D502*	131	13	L610	148	87	R6	96	105									
D503*	120	13	L700	80	177	R28*	66	110	R209*	13	101	R343*	169	15	R503*	148	102
D504*	105	11	L701	124	161				R210*	11	99	R344*	169	16	R505*	132	108
D505*	102	11	L702	130	135	R29	75	114	R211*	13	102	R345	39	62	R506*	132	103
						R30*	55	100	R212	7	81	R346	39	59	R507*	145	99
D506*	94	11	L703	101	124	R35	75	110	R213	12	83	R347	33	59	R508	139	92
D507	138	25	L704	129	177	R36	70	112									
D508*	138	13	L705	141	151	R37*	63	104	R214*	27	85	R348	34	62	R509*	132	90
D509	133	25	L706	116	130				R215	30	84	R349*	49	64	R510*	132	92
D510	121	28	L707	106	123	R38*	68	104	R216	30	82	R350*	53	64	R511*	145	100
						R39	69	109	R217*	17	101	R351*	81	35	R512	132	100
D511*	124	24	L900	51	144	R40	70	109	R218*	17	102	R352*	49	66	R513	135	99
D512*	116	24	L901	66	182	R41	73	110									
D513*	109	24	L902	70	180	R42	75	111	R219*	22	100	R353*	34	20	R514*	148	106
D514*	101	24	L1000	174	187				R220*	22	102	R354*	81	37	R515*	129	87
D515*	97	24	L1001	145	174	R43	51	188	R221*	22	83	R355*	34	21	R516*	72	105
						R44	49	188	R222*	23	115	R356*	53	66	R517*	136	99
D600	185	75	L1002	145	177	R45	73	112	R223*	22	103	R357*	81	33	R518	132	144
D801	122	135	L1003	153	185	R46	63	114									
D1000	173	183	L1004	145	179	R47	64	113	R224*	22	98	R358	37	62	R519	127	144
D1003*	61	21	L1005	182	184				R229*	13	88	R359	17	31	R520	100	31
D1004*	53	17	L1006	182	174	R48*	49	85	R232*	13	92	R360	17	28	R521*	97	29
						R49*	61	110	R233	13	76	R361	35	62	R522*	94	17
D1005*	177	160	L1007	181	159	R50*	66	112	R234	14	81	R362	36	59	R523	94	25
D1006	136	41	L1008	145	172	R51	78	113									
D1007	139	43	L1009	178	159	R52	79	109	R235	24	75	R363*	85	33	R524*	97	26
D1008	180	155							R236	21	77	R364*	17	20	R525	94	27
D1010*	61	17	Q1	120	123	R53	80	109	R237	24	73	R365	86	27	R526	104	25
			Q100	46	184	R54	83	109	R238	18	77	R366	16	18	R527*	94	13
D1011*	53	21	Q101	40	184	R56*	68	100	R239	21	78	R367*	17	21	R528	100	25
D1012*	180	180	Q200	8	84	R57*	68	98									
			Q201	11	80	R61	83	97	R240	24	71	R368	18				

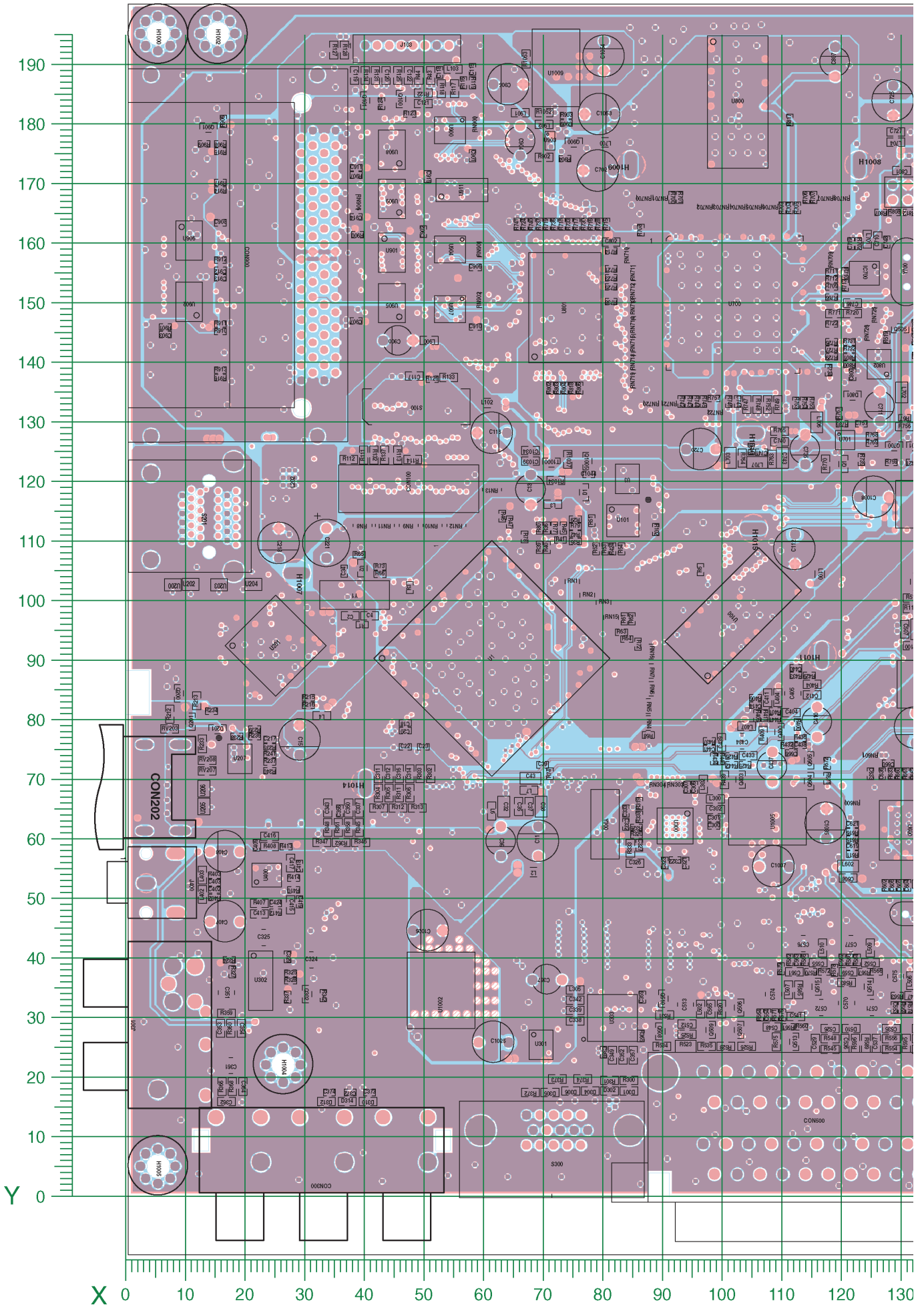
Chassisplatte / Chassis Board - XZZ.190R-11 DC & GND Layers

Sicht auf Bestückungsseite / View on Component Side



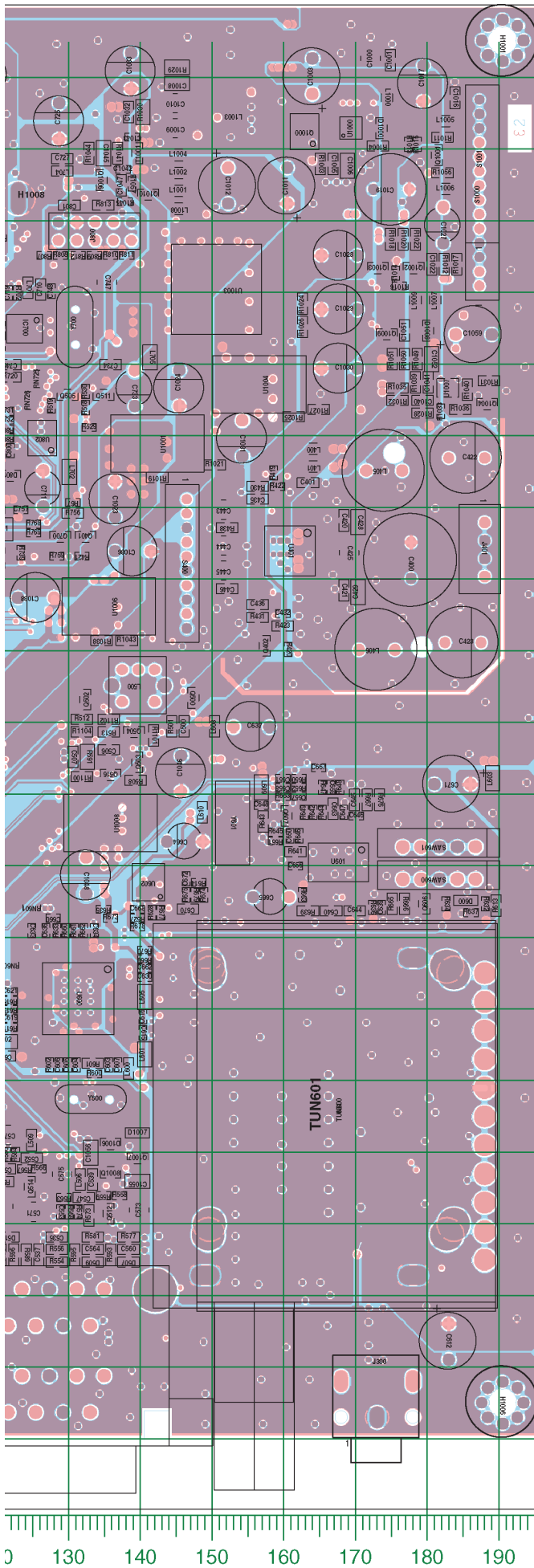
Chassisplatte / Chassis Board - XZZ.190R-11 DC & GND Layers

Sicht auf Bestückungsseite / View on Component Side

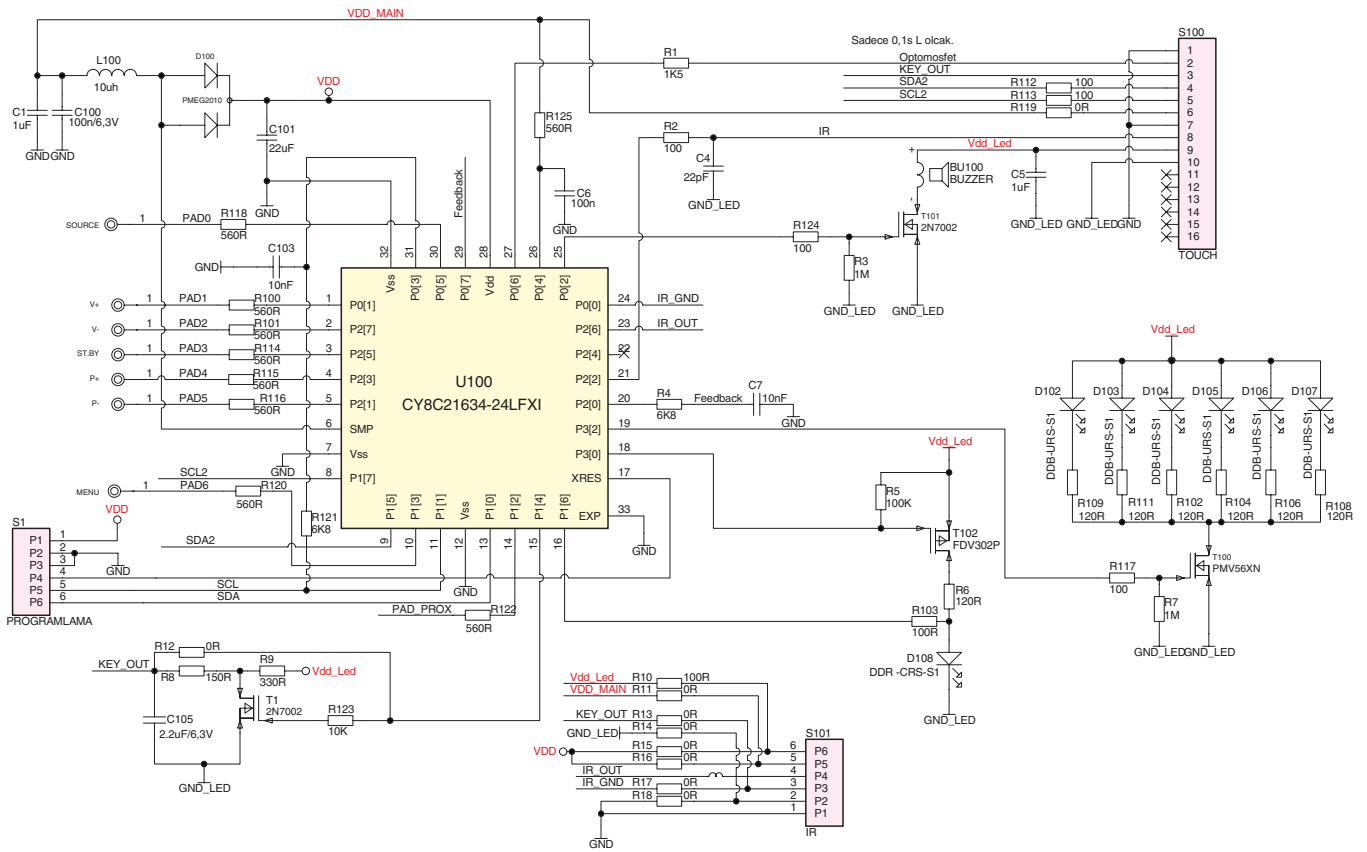


Chassisplatte / Chassis Board - XZZ.190R-11 DC & GND Layers

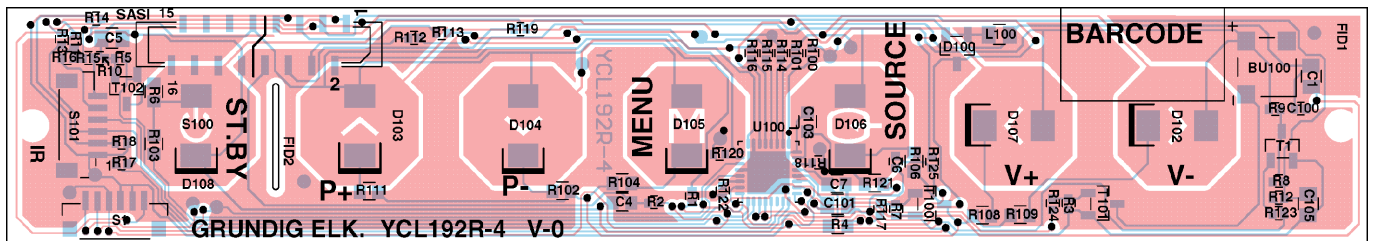
Sicht auf Bestückungsseite / View on Component Side



Bedienteil / Keyboard YCL192



Sicht auf Bestückungsseite / View on Component Side



Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

2 / 2009

VISION 7 42-7853 T

BESTELL-NR. / ORDER NO.: GBH3342 (Y3Q)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG D	DESCRIPTION GB
GBH3342					
				VISION 7 42-7853 T PRODUKTCODE Y3Q KEIN E-TEIL	VISION 7 42-7853 T PRODUKT CODE Y3Q NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal " http://service.grundig.de ".	Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal " http://service.grundig.de ".
0001.000		759551393800		GEH.-VORDERTEIL SCHWARZ	FRONT CABINET BLACK
0002.000		759551471000		RUECKWAND SCHWARZ	BACK COVER BLACK
0007.000		759551401200		LAUTSPRECHER 10/15W 8 OHM	LOUDSPEAKER 10/15W 8 OHM
0008.000		759550975700		HOCHTONLAUTSPRECHER 10 OHM/10W	TWEETER 10 OHM/10W
0009.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0010.000	△	759551476700		LCD-DISPLAY LC420WUN-SAA1	LCD-DISPLAY LC420WUN-SAA1
0019.000		759551393600		FUSS SCHWARZ	FOOT BLACK
0021.000		759551417200		KABEL LVDS	CABLE LVDS
0025.000	△	275991056500	X	LP-CHASSISMODUL SG	CHASSISBOARD SG
0027.000		720117142700		FERNBEDIENUNG TP2 SILBER	REMOTE CONTROL TP2 SILVER
0030.000		275990223600		LP-BEDIENMODUL 47 LU	CONTROL BOARD 47 LU
0040.000		275990227000		LP-IR/LED MODUL	IR/LED BOARD
0070.000	△	275990305700		LP-NETZTEILMODUL FSP312-2M01	POWER SUPPLY BOARD FSP312-2M01
0090.000		759551398200		POLSTER OBEN LINKS/RECHTS	CUSHION TOP LEFT/RIGHT
0091.000		759551398300		POLSTER BODEN LINKS/RECHTS	CUSHION BOTTOM LEFT/RIGHT
0092.000		759551403600		POLSTER BODEN MITTE	CUSHION BOTTOM CENTER
0093.000		759551476600		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
				720100539000 SERVICE MANUAL D/GB 720100539100 SERVICE MANUAL D/GB 1.ERGAENZUNG 720108000001 SICHERHEITSMANUAL D/GB/E/F/I	720100539000 SERVICE MANUAL D/GB 720100539100 SERVICE MANUAL D/GB 1ST SUPPLEMENT 720108000001 SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

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



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

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

2 / 2009

VISION 7 37-7853 T

BESTELL-NR. / ORDER NO.: GBH3337 (Y3P)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG D	DESCRIPTION GB
GBH3337					
				VISION 7 37-7853 T PRODUKTCODE Y3P KEIN E-TEIL	VISION 7 37-7853 T PRODUKT CODE Y3P NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal " http://service.grundig.de ".	Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal " http://service.grundig.de ".
0001.000		759551427900		GEH.-VORDERTEIL SCHWARZ	FRONT CABINET BLACK
0002.000		759551457400		RUECKWAND SCHWARZ	BACK COVER BLACK
0007.000		759551401200		LAUTSPRECHER 10/15W 8 OHM 150X	LOUDSPEAKER 10/15W 8 OHM 150X
0008.000		759550975700		HOCHTONLAUTSPRECHER 10 OHM/10W	TWEETER 10 OHM/10 W
0010.000	△	759551433700		LCD-DISPLAY LC370WU3-SLA	LCD-DISPLAY LC370WU3-SLA
0010.000	△	759551476900		LCD-DISPLAY T370HW02 V2-NM1100(A-)*	LCD-DISPLAY T370HW02 V2-NM1100(A-)*
0015.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0019.000		759551430100		FUSS SCHWARZ	FOOT BLACK
0021.000		759551428100		KABEL DISPLAY - LVDS	CABLE DISPLAY - LVDS
0025.000	△	275991056600	X	LP-CHASSISMODUL SG(Y3P)	CHASSISBOARD SG(Y3P)
0025.000	△	275991056700	X	LP-CHASSISMODUL SG(VB5)*	CHASSISBOARD SG(VB5)*
0027.000		720117142700		FERNBEDIENUNG TP2 SILBER	REMOTE CONTROL TP2 SILBER
0030.000		275990223600		LP-BEDIENMODUL 47 LU	CONTROL BOARD 47 LU
0040.000		275990227000		LP-IR/LED MODUL	IR/LED BOARD
0070.000	△	275990306400		LP-NETZTEILMODUL AC2FSP223-3F01	POWER SUPPLY AC2FSP223-3F01
0090.000		759551399200		POLSTER OBEN LINKS/RECHTS	CUSHION TOP LEFT/RIGHT
0091.000		759551399300		POLSTER BODEN LINKS/RECHTS	CUSHION BOTTOM LEFT/RIGHT
0092.000		759551402700		POLSTER BODEN MITTE	CUSHION BOTTOM CENTER
0093.000		759551476800		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
				720100539000 SERVICE MANUAL D/GB 720100539100 SERVICE MANUAL D/GB 1.ERGAENZUNG 720108000001 SICHERHEITSMANUAL D/GB/E/F/I	720100539000 SERVICE MANUAL D/GB 720100539100 SERVICE MANUAL D/GB 1ST SUPPLEMENT 720108000001 SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

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



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

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY



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VISION 7 32-7853 T

BESTELL-NR. / ORDER NO.: GBH3332 (Y3N)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG ①	DESCRIPTION ②
		GBH3332		VISION 7 32-7853 T PRODUKT CODE Y3N KEIN E-TEIL	VISION 7 32-7853 T PRODUCT CODE Y3N NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal "http://service.grundig.de".	Note: If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal "http://service.grundig.de".
0001.000		759551477000		GEH.-VORDERTEIL SCHWARZ	FRONT CABINET BLACK
0002.000		759551466200		RUECKWAND SCHWARZ	BACK COVER BLACK
0007.000		759551401200		LAUTSPRECHER 10/15W 8 OHM	LOUDSPEAKER 10/15W 8 OHM
0009.000	△	759551350200		NETZKABEL 150 CM	POWER CABLE 150 CM
0010.000	△	759551466100		LCD-DISPLAY LG-PH LC320WUN-SAB	LCD-DISPLAY LG-PH LC320WUN-SAB
0019.000		759551429900		FUSS SCHWARZ	FOOT BLACK
0021.000		759551417200		KABEL LVDS	CABLE LVDS
0025.000	△	275991056900	X	LP-CHASSISMODUL SG	CHASSISBOARD SG
0027.000		720117142700		FERNBEDIENUNG TP2 SILBER	REMOTE CONTROL TP2 SILVER
0030.000		275990223600		LP-BEDIENMODUL 47 LU	CONTROL BOARD 47 LU
0040.000		275990227000		LP-IR/LED MODUL	IR/LED BOARD
0070.000	△	275990306400		LP-NETZTEILMODUL AC2FSP223-3F0	POWER SUPPLY AC2FSP223-3F01
0090.000		759551424200		POLSTER OBEN LINKS	CUSHION TOP LEFT
0091.000		759551424400		POLSTER BODEN LINKS	CUSHION BOTTOM LEFT
0092.000		759551424500		POLSTER BODEN RECHTS	CUSHION BOTTOM RIGHT
0093.000		759551477100		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100539000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720100539100		SERVICE MANUAL D/GB 1.ERGAENZUNG	SERVICE MANUAL D/GB 1ST SUPPLEMENT
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
			X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST	

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



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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
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NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY



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LP-CHASSISMODUL SG
CHASSISBOARD SG

MATERIAL-NR. / PART NO.: 275991056500

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG ①	DESCRIPTION ②
		△ 275991056500		LP-CHASSISMODUL SG	CHASSISBOARD SG

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
CON 500	759551360600	SCART BUCHSE DOPPELT SLIM 3	U 0101	759551411400	IC-CHIP EN25F80-100HCP (FLA
CON 900	759551435100	PCMCIA SINGLE BUCHSE KURZ	U 0201	759551482500	IC-SMD PS221TQFP80G-B1 TQFP
D 1000	832521004000	SMD DIODE BAS40-05	U 0301	759551470800	IC-CHIP CAT24C08WI-GT3 SOIC
D 1006	759530510400	DIODE BAV 99	U 0302	759551268500	IC-CHIP 74HC4052D SO16
D 1007	759551168600	DIODE-CHIP BZX384-C8V2 300M	U 0400	759551114300	IC TDA 1308T/N2 SO-G8 (T&R)
IC 700	759551406800	IC-CHIP ICS728MLFT 8-SOIC V	U 0401	759551467900	IC-SMD R2A15112FPW00T HTQF
J 300	759551411500	KOPFHOERERBUCHSE	U 0600	759551427300	IC-CHIP CXD1968BT COFDM DEM
J 400	759551411500	KOPFHOERERBUCHSE	U 0601	759551375700	IC-CHIP TDA9886TS/V4 (SSOP
L 500	759551130300	SPULE VAR. 15.5 UH 5.3MHZ/S	U 0602	759551407700	IC-CHIP CD4053PWR
L 601	759550541900	SMD SPULE 1UH K0805	U 0700	759551434800	IC-CHIP UPD611115GM-104-UEV
L 602	759550541900	SMD SPULE 1UH K0805	U 0701	759551407000	IC-SMD FCC2516AETA-6B-E TSO
L 603	759550975200	SPULE 10 UH	U 0800	759551414700	IC-SMD EDD2516AETA-6B-E TSO
L 609	759550541900	SMD SPULE 1UH K0805	U 0802	759551467400	IC-CHIP CAT24C64WI-GT3 (CAT
L 703	759550975200	SPULE 10 UH	U 0900	759551407200	IC-CHIP 74LVC257APW TSSOP16
L 705	759550975200	SPULE 10 UH	U 0901	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 706	759550975200	SPULE 10 UH	U 0902	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 706	759550975200	SPULE 10 UH	U 0904	759551407200	IC-CHIP 74LVC257APW TSSOP16
Q 0505	759550973400	TRANS 2N002	U 0905	759551407100	IC-CHIP 74LVT244APW TSSOP20
Q 0511	759550973400	TRANS 2N002	U 0906	759551407100	IC-CHIP 74LVT244APW TSSOP20
Q 0604	759550973400	TRANS 2N002	U 0907	759551407200	IC-CHIP 74LVC257APW TSSOP16
Q 0605	759550973400	TRANS 2N002	U 0908	759551283000	IC-CHIP 74LVT245PW TSSOP20
Q 1000	759551411900	TRANS FDS6984AS SO8 MOSFET	U 0909	759551407100	IC-CHIP 74LVT244APW TSSOP20
S 0300	759551313000	BUCHSE VGA B10B	U 0911	759551406500	IC-CHIP 74ALVC00D SO14
S 1001	759551220800	STECKER 10P 2MM 89400-1010	U 1000	759551406000	IC-SMD MAX8576EUB+T UMAX10
SAW 600	759550921100	FILTER OFW K9656M	U 1001	759551050800	IC NCP 1117 DT 33 RK
SAW 601	759550458000	FILTER OFW K3958M	U 1002	759551482600	IC-CHIP TS1085CM TO263
T 1000	759551388500	TRANS-CHIP PMV65XP P-CH	U 1003	759551482600	IC-CHIP TS1085CM TO263
T 1001	759551388500	TRANS-CHIP PMV65XP P-CH	U 1004	759551060700	IC NCP1117DTARK (DPAK)
TUN 600	759551406200	TUNER THOMSON DTT75407	U 1006	759551060700	IC NCP1117DTARK (DPAK)
U 0001	759551479700	IC-SMD MST69981DLD-LF-1-S1	U 1007	759551331400	TLV431B ADJ SHUNT REG SOT I
U 0002	759551268200	IC-CHIP MAX810STRG SOT23 RE	U 1008	759551060700	IC NCP1117DTARK (DPAK)
U 0003	759551468800	IC-CHIP CAT24C32WI-GT3 SOIC	U 1009	759551060700	IC NCP1117DTARK (DPAK)
U 0100	759551479800	IC-SMD HY5DU281622FTP-4-C T	Y 001	759880544700	QUARZ 14.31818 MHZ
			Y 600	759551407400	QUARZ 20.48MHZ 20/20PPM CL=
			Y 601	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC
			Y 700	759551407500	QUARZ 13.5MHZ 15PPM 18PF HC

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



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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
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LP-CHASSISMODUL SG
CHASSISBOARD SG

MATERIAL-NR. / PART NO.: 275991056600

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG DESCRIPTION
	△	275991056600		LP-CHASSISMODUL SG
				CHASSISBOARD SG

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
CON 500	759551360600	SCART BUCHSE DOPPELT SLIM 3	U 0301	759551470800	IC-CHIP CAT24C08WI-GT3 SOIC
CON 900	759551435100	PCMCIA SINGLE BUCHSE KURZ	U 0302	759551268500	IC-CHIP 74HC4052D SO16
			U 0400	759551114300	IC TDA 1308T/N2 SO-G8 (T&R)
D 1006	759530510400	DIODE BAV 99	U 0401	759551467900	IC-SMD R2A15112FP#W00T HTQF
D 1007	759551168800	DIODE-CHIP BZX384-C8V2 300M	U 0600	759551427300	IC CHIP CXD1968BR COFDM DEM
			U 0601	759551375700	IC-CHIP TDA9886TS/V4 (SSOP
IC 700	759551406800	IC-CHIP ICS728MLFT 8-SOIC V	U 0602	759551407700	IC-CHIP CD4053PWR
			U 0700	759551434800	IC-CHIP UPD611115GM-104-UEV
J 300	759551411500	KOPFHOERERBUCHSE	U 0701	759551407000	IC-SMD PCA9536DP TSSOP8
J 400	759551411500	KOPFHOERERBUCHSE	U 0800	759551414700	IC-SMD EDD2516AETA-6B-E TSO
			U 0801	720086733600	SW/IC APP4.9_SW1.1.41
L 500	759551130300	SPULE VAR. 15.5 UH 5.3MHZ/S	U 0802	759551467400	IC-CHIP CAT24C64WI-GT3 (CAT
L 601	759550541900	SMD SPULE 1UH K0805	U 0900	759551407200	IC-CHIP 74LVC257APW TSSOP16
L 602	759550541900	SMD SPULE 1UH K0805	U 0901	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 603	759550975200	SPULE 10 UH	U 0902	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 609	759550541900	SMD SPULE 1UH K0805	U 0904	759551407200	IC-CHIP 74LVC257APW TSSOP16
L 703	759550975200	SPULE 10 UH	U 0905	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 705	759550975200	SPULE 10 UH	U 0906	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 706	759550975200	SPULE 10 UH	U 0907	759551407200	IC-CHIP 74LVC257APW TSSOP16
			U 0908	759551283000	IC-CHIP 74LVT245PW TSSOP20
Q 202	759550973400	TRANS 2N002	U 0909	759551407100	IC-CHIP 74LVT244APW TSSOP20
Q 505	759550973400	TRANS 2N002	U 0911	759551406500	IC-CHIP 74ALVC00D SO14
Q 511	759550973400	TRANS 2N002	U 1001	759551050800	IC NCP 1117 DT 33 RK
Q 604	759550973400	TRANS 2N002	U 1002	759551482600	IC-CHIP TS1085CM TO263
Q 605	759550973400	TRANS 2N002	U 1003	759551482600	IC-CHIP TS1085CM TO263
			U 1004	759551060700	IC NCP1117DTARK (DPAK)
S 300	759551313000	BUCHSE VGA B10B	U 1006	759551060700	IC NCP1117DTARK (DPAK)
			U 1007	759551331400	TLV431B ADJ SHUNT REG SOT I
SAW 600	759550921100	FILTER OFW K9656M	U 1008	759551060700	IC NCP1117DTARK (DPAK)
SAW 601	759550458000	FILTER OFW K3958M	U 1009	759551060700	IC NCP1117DTARK (DPAK)
T 1000	759551388500	TRANS-CHIP PMV65P P-CH	Y 001	759880544700	QUARZ 14.31818 MHZ
T 1001	759551388500	TRANS-CHIP PMV65P P-CH	Y 600	759551407400	QUARZ 20.48MHZ 20/20PPM CL=
			Y 601	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC
TUN 600	759551406200	TUNER THOMSON DTT75407	Y 700	759551407500	QUARZ 13.5MHZ 15PPM 18PF HC
U 0001	759551479700	IC-SMD MST69981DLD-LF-1-S1			
U 0002	759551268200	IC-CHIP MAX810STRG SOT23 RE			
U 0003	759551468800	IC-CHIP CAT24C32WI-GT3 SOIC			
U 0100	759551479800	IC-SMD HY5DU281622FTP-4-C T			
U 0101	759551411400	IC-CHIP EN25F80-100HCP (FLA			
U 0201	759551482500	IC-SMD PS221TQFP80G-B1 TQFP			

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



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

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY



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LP-CHASSISMODUL SG
CHASSISBOARD SG

MATERIAL-NR. / PART NO.: 275991056700

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG DESCRIPTION
	△	275991056700		LP-CHASSISMODUL SG
				CHASSISBOARD SG

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
CON 500	759551360600	SCART BUCHSE DOPPELT SLIM 3	U 0302	759551268500	IC-CHIP 74HC4052D SO16
CON 900	759551435100	PCMCIA SINGLE BUCHSE KURZ	U 0400	759551114300	IC TDA 1308T/N2 SO-G8 (T&R)
			U 0401	759551467900	IC-SMD R2A15112FP#W00T HTQF
D 1006	759530510400	DIODE BAV 99	U 0600	759551427300	IC CHIP CXD1968BR COFDM DEM
D 1007	759551168800	DIODE-CHIP BZX384-C8V2 300M	U 0601	759551375700	IC-CHIP TDA9886TS/V4 (SSOP
			U 0602	759551407700	IC-CHIP CD4053PWR
IC 700	759551406800	IC-CHIP ICS728MLFT 8-SOIC V	U 0700	759551434800	IC-CHIP UPD611115GM-104-UEV
			U 0701	759551407000	IC-SMD PCA9536DP TSSOP8
J 300	759551411500	KOPFHOERERBUCHSE	U 0800	759551414700	IC-SMD EDD2516AETA-6B-E TSO
J 400	759551411500	KOPFHOERERBUCHSE	U 0802	759551467400	IC-CHIP CAT24C64WI-GT3 (CAT
			U 0800	759551407200	IC-CHIP 74LVC257APW TSSOP16
L 500	759551130300	SPULE VAR. 15.5 UH 5.3MHZ/S	U 0901	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 601	759550541900	SMD SPULE 1UH K0805	U 0902	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 602	759550541900	SMD SPULE 1UH K0805	U 0904	759551407200	IC-CHIP 74LVC257APW TSSOP16
L 603	759550975200	SPULE 10 UH	U 0905	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 609	759550541900	SMD SPULE 1UH K0805	U 0906	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 703	759550975200	SPULE 10 UH	U 0907	759551407200	IC-CHIP 74LVC257APW TSSOP16
L 705	759550975200	SPULE 10 UH	U 0908	759551283000	IC-CHIP 74LVT245PW TSSOP20
L 706	759550975200	SPULE 10 UH	U 0909	759551407100	IC-CHIP 74LVT244APW TSSOP20
			U 0911	759551406500	IC-CHIP 74ALVC00D SO14
Q 202	759550973400	TRANS 2N002	U 1001	759551050800	IC NCP 1117 DT 33 RK
Q 505	759550973400	TRANS 2N002	U 1002	759551482600	IC-CHIP TS1085CM TO263
Q 511	759550973400	TRANS 2N002	U 1003	759551482600	IC-CHIP TS1085CM TO263
Q 604	759550973400	TRANS 2N002	U 1004	759551060700	IC NCP1117DTARK (DPAK)
Q 605	759550973400	TRANS 2N002	U 1006	759551060700	IC NCP1117DTARK (DPAK)
			U 1007	759551331400	TLV431B ADJ SHUNT REG SOT I
S 300	759551313000	BUCHSE VGA B10B	U 1008	759551060700	IC NCP1117DTARK (DPAK)
			U 1009	759551060700	IC NCP1117DTARK (DPAK)
SAW 600	759550921100	FILTER OFW K9656M	Y 001	759880544700	QUARZ 14.31818 MHZ
SAW 601	759550458000	FILTER OFW K3958M	Y 600	759551407400	QUARZ 20.48MHZ 20/20PPM CL=
			Y 601	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC
			Y 700	759551407500	QUARZ 13.5MHZ 15PPM 18PF HC
T 1000	759551388500	TRANS-CHIP PMV65P P-CH			
T 1001	759551388500	TRANS-CHIP PMV65P P-CH			
TUN 600	759551406200	TUNER THOMSON DTT75407			
U 0001	759551479700	IC-SMD MST69981DLD-LF-1-S1			
U 0002	759551268200	IC-CHIP MAX810STRG SOT23 RE			
U 0003	759551468800	IC-CHIP CAT24C32WI-GT3 SOIC			
U 0100	759551479800	IC-SMD HY5DU281622FTP-4-C T			
U 0101	759551411400	IC-CHIP EN25F80-100HCP (FLA			
U 0301	759551470800	IC-CHIP CAT24C08WI-GT3 SOIC			

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 SG CHASSISBOARD SG

MATERIAL-NR. / PART NO.: 275991056900

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG Ⓚ	DESCRIPTION Ⓚ
	△	275991056900		LP-CHASSISMODUL SG	CHASSISBOARD SG

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
CON 500	759551360600	SCART BUCHSE DOPPELT SLIM 3	U 0301	759551470800	IC-CHIP CAT24C08WI-GT3 SOIC
CON 900	759551435100	PCMCIA SINGLE BUCHSE KURZ	U 0302	759551268500	IC-CHIP 74HC4052D SO16
D 1006	759530510400	DIODE BAV 99	U 0400	759551114300	IC TDA 1308T/N2 SO-G8 (T&R)
D 1007	759551168600	DIODE-CHIP BZX384-C8V2 300M	U 0401	759551467900	IC-SMD R2A15112FP#W00T HTQF
IC 700	759551406800	IC-CHIP ICS728MLFT 8-SOIC V	U 0600	759551427300	IC CHIP CXD1968BR COFDM DEM
J 300	759551411500	KOPFHOERERBUCHSE	U 0601	759551375700	IC-CHIP TDA9886TS/V4 (SSOP
J 400	759551411500	KOPFHOERERBUCHSE	U 0602	759551407700	IC-CHIP CD4053PWR
L 500	759551130300	SPULE VAR. 15.5 UH 5.3MHZ/S	U 0700	759551434800	IC-CHIP UPD611115GM-104-UEV
L 601	759550541900	SMD SPULE 1UH K0805	U 0701	759551407000	IC-SMD PCA9536DP TSSOP8
L 602	759550541900	SMD SPULE 1UH K0805	U 0800	759551414700	IC-SMD EDD2516AETA-6B-E TSO
L 603	759550975200	SPULE 10 UH	U 0802	759551467400	IC-CHIP CAT24C64WI-GT3 (CAT
L 609	759550541900	SMD SPULE 1UH K0805	U 0900	759551407200	IC-CHIP 74LVC257APW TSSOP16
L 703	759550975200	SPULE 10 UH	U 0901	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 705	759550975200	SPULE 10 UH	U 0902	759551407100	IC-CHIP 74LVT244APW TSSOP20
L 706	759550975200	SPULE 10 UH	U 0904	759551407200	IC-CHIP 74LVC257APW TSSOP16
Q 202	759550973400	TRANS 2N002	U 0905	759551407100	IC-CHIP 74LVT244APW TSSOP20
Q 505	759550973400	TRANS 2N002	U 0906	759551407100	IC-CHIP 74LVT244APW TSSOP20
Q 511	759550973400	TRANS 2N002	U 0907	759551407200	IC-CHIP 74LVC257APW TSSOP16
Q 604	759550973400	TRANS 2N002	U 0908	759551283000	IC-CHIP 74LVT245PW TSSOP20
Q 605	759550973400	TRANS 2N002	U 0909	759551407100	IC-CHIP 74LVT244APW TSSOP20
S 300	759551313000	BUCHSE VGA B10B	U 0911	759551406500	IC-CHIP 74ALVC00D SO14
SAW 600	759550921100	FILTER OFW K9656M	U 1001	759551050800	IC NCP 1117 DT 33 RK
SAW 601	759550458000	FILTER OFW K3958M	U 1002	759551482600	IC-CHIP TS1085CM TO263
T 1000	759551388500	TRANS-CHIP PMV65XP P-CH	U 1003	759551482600	IC-CHIP TS1085CM TO263
T 1001	759551388500	TRANS-CHIP PMV65XP P-CH	U 1004	759551060700	IC NCP1117DTARK (DPAK)
TUN 600	759551406200	TUNER THOMSON DTT75407	U 1006	759551060700	IC NCP1117DTARK (DPAK)
U 0001	759551479700	IC-SMD MST69981DLD-LF-1-S1	U 1007	759551331400	TLV431B ADJ SHUNT REG SOT I
U 0002	759551268200	IC-CHIP MAX810STRG SOT23 RE	U 1008	759551060700	IC NCP1117DTARK (DPAK)
U 0003	759551468800	IC-CHIP CAT24C32WI-GT3 SOIC	U 1009	759551060700	IC NCP1117DTARK (DPAK)
U 0100	759551479800	IC-SMD HY5DU281622FTP-4-C T	Y 001	759880544700	QUARZ 14.31818 MHZ
U 0101	759551411400	IC-CHIP EN25F80-100HCP (FLA	Y 600	759551407400	QUARZ 20.48MHZ 20/20PPM CL=
U 0201	759551482500	IC-SMD PS221TQFP80G-B1 TQFP	Y 601	759551376200	QUARZ-CHIP 4MHZ SMXA120E HC
			Y 700	759551407500	QUARZ 13.5MHZ 15PPM 18PF HC

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



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

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION