

ULC TARGET SPECS (15" - 19" 4:3)		Ultra low cost 15"
SCALER		MST7610 (Maria) Mstar or Renesas Scaler
DISPLAY		
Type		TFT
Aspect ratio		4:3
Brightness		250 cd, 180 cd
Contrast ratio (typical)		500:1
Diagonal screen size		15 inch / 38 cm
Panel resolution		1024*768
Viewing angle (H / V)		160/155
Response time (typical)		12
CONNECTIONS		
Antenna (IEC 169-2, Female)		1
Scart		1 full default
S-video In (DIN)		NO
Video In (RCA)		1
Audio In (2 RCA)		1
Video Out (RCA)		NO
Audio Out (2 RCA)		NO
Progressive YPbPr In (3 RCA)		No
Audio In for progressive input (2 RCA)		No
DVI		NO
HDMI		NO
PC Audio (L, R)		PC input via stereo jack available (OPT)
Subwoofer		NO
D-Sub 15		D-SUB 15 available (OPT)
SPDIF Coaxial		NO
SPDIF Optic		NO
RS232		NO
Headphone		NO
ADD ON MODULE CONNECTION OPTIONS		
Front\Side AV		NO
VIDEO & GRAPHICS INIOUT		
CVBS In		1 through SCART, 1 through RCA
RF In		1 through tuner
Y/C In		No

RGB+FB In-Video		1 through SCART1
RGB+HS, VS In - Graphics		1 through DSUB-15
YPbPr In (Progressive)		NO
DVI In		NO
HDMI In		NO
CVBS Out		1 through SCART1
RGB, FB Out		no
HDMI out		no
AUDIO IN/OUT		
Stereo L, R In		1 mono through RCA, 2 MONO through SCARTS
AV Stereo IN		1 stereo through RCA, 1 stereo through SCARTS, 1 PC audio in
Stereo L, R Out		NO
Subwoofer Out		NO
S/PDIF In		NO
S/PDIF Out		NO
Subwoofer Out		NO
Subwoofer Output Power		NO
Audio Output Power		1x3W
Number of speakers		1
Speaker Placement		Inside the cabinet
ANALOG FRONT END		
Type		Conventional tuner +IF Demodulator
Receiving System		
Input Freq. Range (MHz)		VHF (48,25-463,25MHz) UHF (471,25-855,25MHz)
Tune down to 45,25MHz Tune up to 863,25MHz		YES
Input Connector		IEC 169-2, Female
Aerial Input Impedance		75 Ohm (unbalanced)
Signal Level		NO
Tuning System		FST
Tuning Control		PLL
Antenna Loop Through		NO
RF Modulator		NO
Channel Bandwidth		6/7/8 MHz Switchable
FE Control		I2C
TV system		PAL/SECAM BG/DK/I From Service Menu

Video Playback		NTSC, PAL, SECAM
VIDEO & GRAPHICS PROCESSING		
De-multiplexing	Data Rate >=	
	PID Filters >=	
	Section Filters >=	
ADC (Video)	Resolution	8 bit
Chroma Decoding	Standart	PAL, SECAM, NTSC
Comb Filter		-
Color Temperatur		Yes
LTI, CTI Filters		Yes
Sync On Green (SOG) support on graphics		YES
De-Interlacer		2D-DI
PAT		No
Gamma Correction		Yes
PIPIPAPI		No
OSD		font based
Saturation		Yes
Contrast		Yes
Tint		Yes
Noise reduction		2D
AUDIO PROCESSING		
Virtual Dolby/SRS WOW		No
Subwoofer		NO
Effect\Spatial		NO
Dynamic Bass		NO
VBI DATA PROCESSING		
Teletext		Teletext 1.5
Fast text		optional
Top text		optional
page		8
WSS		YES
VPS\PC\CI		YES
Closed Caption		NO
SUPPORTED OUTPUTS FOR DISPLAYS		
Single TTL support		YES
Dual TTL support		NO
Single 10-bit TTL support		NO
Dual 10-bit TTL support		NO
Single LVDS support (8-bit)		YES
Dual LVDS support (8-bit)		YES
Single LVDS support (10-bit)		NO

Dual LVDS support (10-bit)		NO
Timing Control Support		NO
Supported Output		Upto WXGA+ at 60Hz (1440x900)
APPLICATIONS		
Menu System		Beko GUI / Beko OSD
Remote Control		Beko RC
Supported Menu Languages		tbd
Picture Formats (Auto, 4:3, 16:9, 14:9, Zoom, LetterBox, Subtitle)		for 4:3 models 16:10 ,4:3 and Auto ,16:9 models have all
WSS (Wide Screen Signalling)		YES
Channel skip time		<1 sec
ATS (Automatic Tuning System)		Frequency Search time tbd
Black Line Detection		no
Manual Search		Channel search
AFC (Auto Frequency Correction)		YES
Number of Program Storage		100
		99
No Ident Timer		YES
Picture Freeze		no
Equalizer		NO
AVL (Automatic Volume Level)		NO
Optic sensor		no
Sound Status Memory		no
Picture Status Memory		YES
Zapping\Swap		Swap
Child Lock		NO
Program Lock		no
Picture Format Switching Through Scart (Pin 8)		YES
Auto RGB Detect Through Scart (Pin 16)		YES
DDC Support		YES
Timer	On\Off or Sleep	Sleep
Picture Smart Modes		YES

Sound Smart Modes		no
Scart2 Out Selectable		no
S-Video Input Through Scart2		no
Wake Up in PC	Stby to On in PC mode when last watched is PC	YES
	Stby to On automatically when PC signal is available	YES
POWER SUPPLY		
PSU Type		LIPS
Input Range		100V-240V, 50, 60Hz
Groundless AC Plug		YES (EXCEPT UK)
St-By Power Consumption		<2W
12V ext power in		NO
REGULATIONS		
EMC		EN55020 EN55013 EN55022 (with PC)
SAFETY		EN60065
CABINET		
Keyboard	On/Off	no
	Volume Up	no
	Volume Down	no
	Program Up	no
	Program Down	no
	Menu	no
	Source	no
LED	Single color /Single Intensity	no
	Single Color /Double Intensity	yes
	Multi color	no
	On Timer Led	NO

SEQUENCE OF ADJUSTMENT AND CHECKING

SERVİS MENU OPTIONS 1

OPTIONS 1

FAST TEXT: ON: Fast Text features ON, OFF: Fast Text feature OFF.

NOTE : Unless customer special choice, select it ON.

TOP TEXT : ON: Top Text features ON, OFF: Top Text feature OFF.

NOTE : Unless customer special choice, select it OFF.

TEXT LANGUAGE : AUTO; automatically selects the TEXT language

NOTE : Unless the customer demands; it will be set as AUTO

WEST : English,French, German, Turkish, Spanish, Italian, Finnish,

EAST : Lehçe,Fransızca,Macarca,Çekçe,Almanca,Slovençe,İtalyanca,Romence

CYRILLIC : İngilizce,Rusça,Almanca,Çekçe,Estonyaca,Ukraynaca,Letonyaca

ARABIC : West+Arapça ; FARSI : West+Farsça ; HEBREW : West+İbranice

STANDBY RECALL: ON : TV is switched on with previous settings. OFF : TV is switched on in StdBy

NOTE: Unless customer special choice, select it OFF.

RECALL LAST AV: ON : Last AV memory mode active

OFF : Last AV memory mode active

NOTE: Unless customer special choice, select it OFF.

FACTORY RESET : ON : Back to the Factory out adjustments option is active. OFF : Back to the Factory out adjustments option is not active. Do not perform any adjustment unless indicated.

COMB FILTER : ON: Comb Filter features ON, OFF: Comb Filter features OFF.

NOTE : Unless customer special choice, select it ON.

OPTIONS 2

MONITOR FEATURES : ON: Monitor features ON, OFF: Monitor features OFF.

NOTE : Unless customer special choice, select it OFF.

HOTEL MODE : ON : Hotel TV mode is on ; OFF : Hotel TV mode is OFF.

NOTE : If no customer demand it will be set as OFF

HOTEL MODE VOL : It adjusts the volume level on Hotel Mode.

DIMMING : It automatically comes adjusted according to the panel of the TV. Do not perform any adjustment unless indicated.

FACTORY MODE : ON :Factory mode on ; OFF : Factory mode off

RESET EEPROM : Do not perform any adjustment unless indicated.

PLUG AND PLAY : Demo mode. Set it ON after all settings.

SERVICE MODE OPTIONS 2

SOURCE OPTIONS

PC : ON : The feature is active, OFF : The feature is passive

TV : ON : The feature is active, OFF : The feature is passive

AV : ON : AV automatic switching control active

OFF : AV automatic switching control passive

SCART 1 : ON : SCART 1 is available, OFF : SCART 1 is not available

NOTE : Unless customer special choice, select it ON.

TUNING OPTIONS

SOUND STANDARD : BG, DK, I, L

NOTE : Unless the product is “L” set it as “BG”. If the product is “Secam L” set it as “L”.

AGC VHF 17

AGC UHF 17

AGC LPRIME 17

TUNER TYPE : Used to choose the tuner for the TV .

NOTE : ON : Tuner is available, OFF : Tuner is not available

ATS : ON: Autoprogramming ON at startup. OFF: Autoprogramming OFF at startup.

NOTE : ON : The function is available, OFF : The function is not available

AUDIO GAIN : ON : The function is available, OFF : The function is not available

NOTE : Unless customer special choice, select it OFF.

ADC CALIBRATION

R GAIN

G GAIN

B GAIN

R OFFSET

G OFFSET

B OFFSET

NOTE : These values are automatically stored after Factory Reset. No adjustment and checking for these values.

WHITE BALANCE

R GAIN

G GAIN

B GAIN

NOTE : These values are automatically stored after Factory Reset. No adjustment and checking for these values.

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. Always use the manufacturer's replacement safety components. The critical safety components marked with ∇ on the schematics diagrams should not be by other substitutes. Other substitute may create the electrical shock , fire or other hazards. Take attention to replace the spacers with the originals. Furthermore where a short circuit has occurred , replace those components that indicate evidence of overheating.
2. After servicing , see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
3. When the receiver is not being used for a long time of period of time , unplug the power cord of the Adaptor from the AC outlet.

Color TFT LCD Module is very sensitive both electrically and physically. Users, therefore, are requested to follow the "Guidance of handling color TFT LCD Module" on the followings.

1 - Be careful not to make scratch on the polarizer.

Surface of polarizer is soft and can be physically damaged easily.
Please do not touch, push or rub polarizer surface with materials over HB hardness.

2 - Keep clean the surface.

Please wear rubber glove when touch the surface of LCD screen. Please use soft and anti-static material as cleaner.

3 - Keep out of water.

Water on/in the LCD may cause electrical short or corrosion. Please wipe out dry or water carefully.

4 - Prevent swift Temperature & Humidity change.

Instantaneous temperature and/or humidity change can make dew or ice which cause nonconformance such as malfunction.

5 High temperature & high humidity reduce the life-time.

LCD is not proper to be used at high temperature and high humidity. Please keep specified temperature and humidity condition.

6 - Keep out of Corrosive Gas.

Corrosive gas effect the polarizer and the circuit chemically and cause defects accordingly.

7 - Electrostatic discharge can make Damage

There are electro-static sensitive components such as CMOS in LCD Module. Please earth human body when handle the LCD. In addition, please do not touch the interface connector pin with bare.

8 - Do not operate for a long time under the same pattern

Operating LCD for a long time under the same pattern can cause image persistence and can damage it. Please follow following guidance.

1. Turn the power off when do not use.
2. Change the pattern periodically.

Arıza tespiti için bazı gerekli transistörlerin bacak gerilimleri

T101		
ST-BY	ON	Pin
3,2	0	C
0	0,6	B
0	0	E

T100		
ST-BY	ON	Pin
3,1	0	D
1,5	3,2	G
3,2	3,2	S

T103		
ST-BY	ON	Pin
0	4,5	C
0,7	0	B
0	0	E

T104		
ST-BY	ON	Pin
0	5,2	C
3,2	1,6	B
0	0	E

T105		
ST-BY	ON	Pin
3,3	1,5	G
4,8	4,8	S
3,25	3,3	D

T106		
ST-BY	ON	Pin
11,5	0,4	D
1,05	12,11	G
11,5	12,11	S

T107		
ST-BY	ON	Pin
12	0	C
0	0,7	B
0	0	E

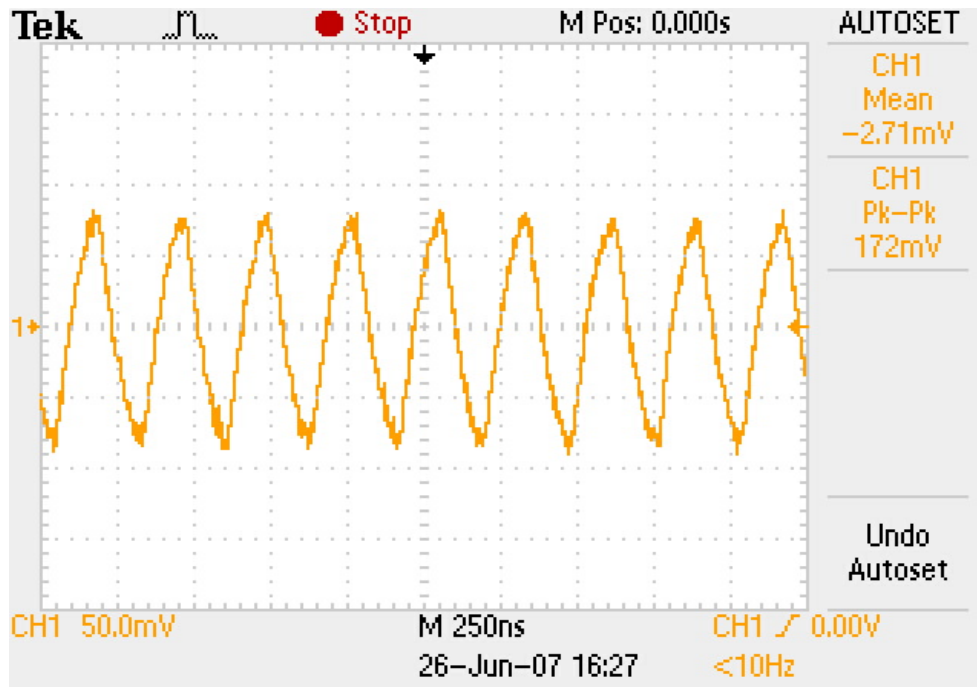
T108		
ST-BY	ON	Pin
0,3	4,9	C
0	1,9	B
0	1,3	E

T112		
ST-BY	ON	Pin
3,2	3,2	D
3,8	3,8	G
2,4	2,4	S

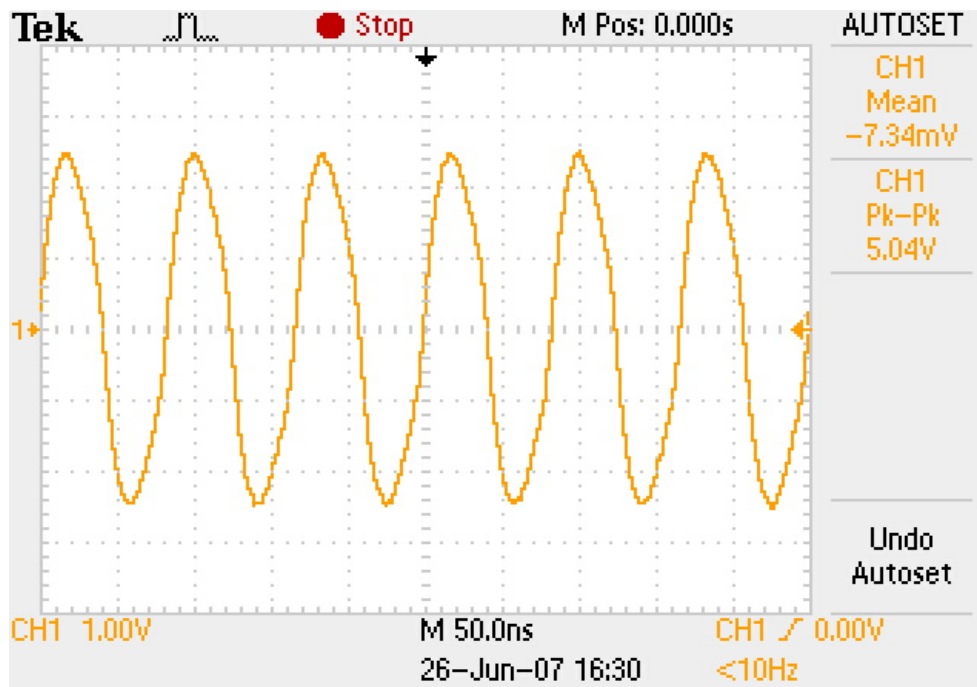
Arıza tespiti için gerekebilecek referans noktalarındaki osiloskop çıktıları:

Önemli NOT: Aşağıdaki osiloskop çıktıları tv de herhangi bir tuner kanalı verili iken ölçülmüştür. TV nin ayarlarına ve kaynağa göre sinyallerde değişiklikler olabilir.

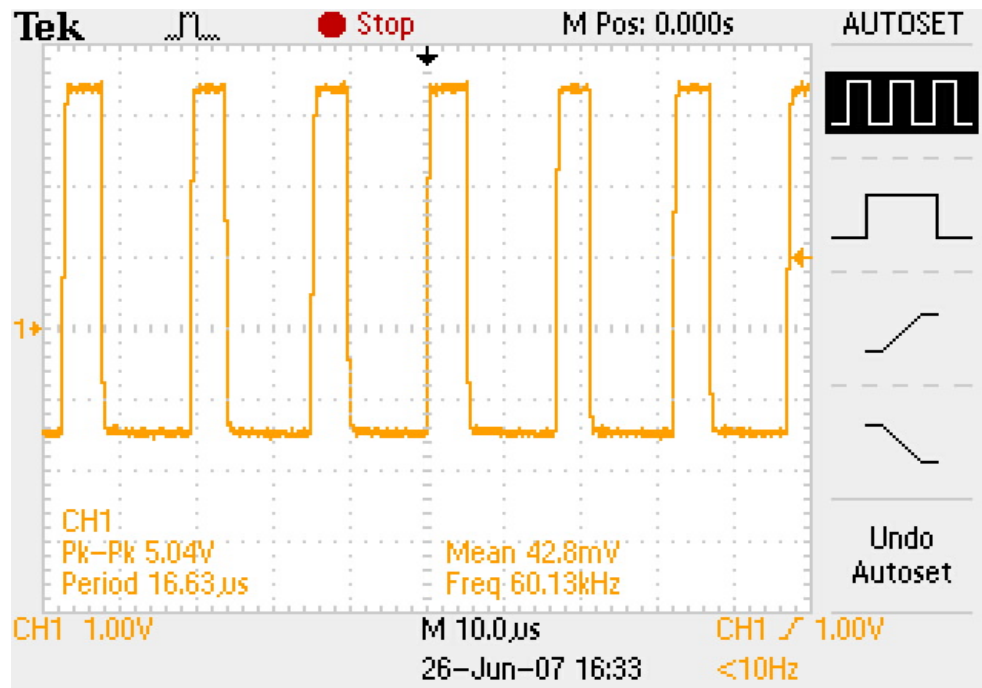
1)C199 kondansatöründen ölçülen X100 kristali osiloskop çıktısı.



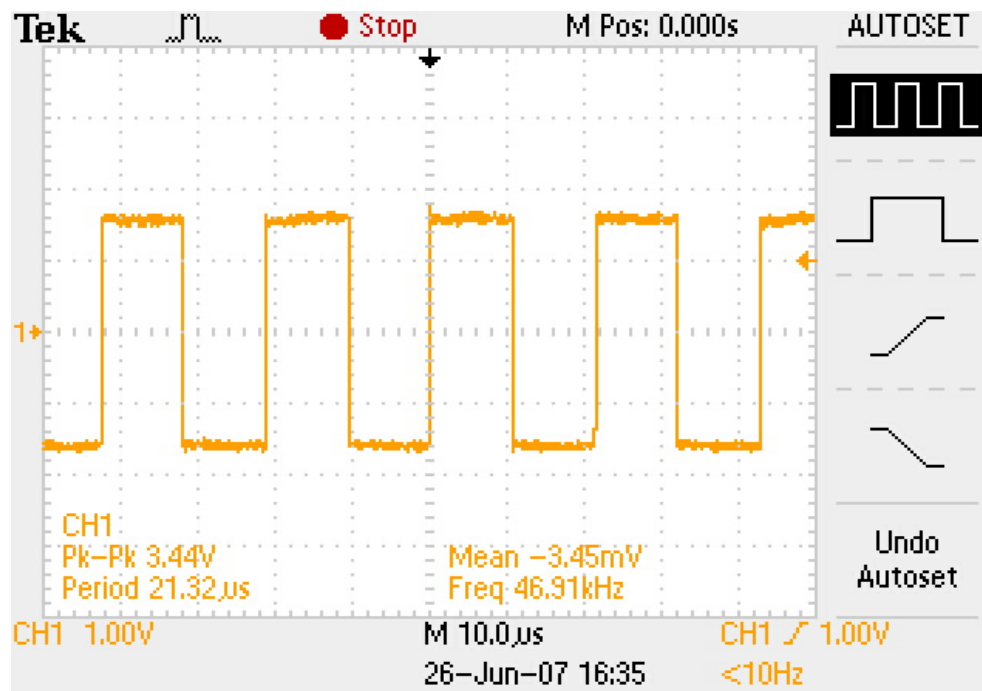
2)C100 kondansatöründen ölçülebilen Y100 kristali osiloskop çıktısı



3)T105 transistörünün Gate inden ölçülebilen PWM2 sinyali



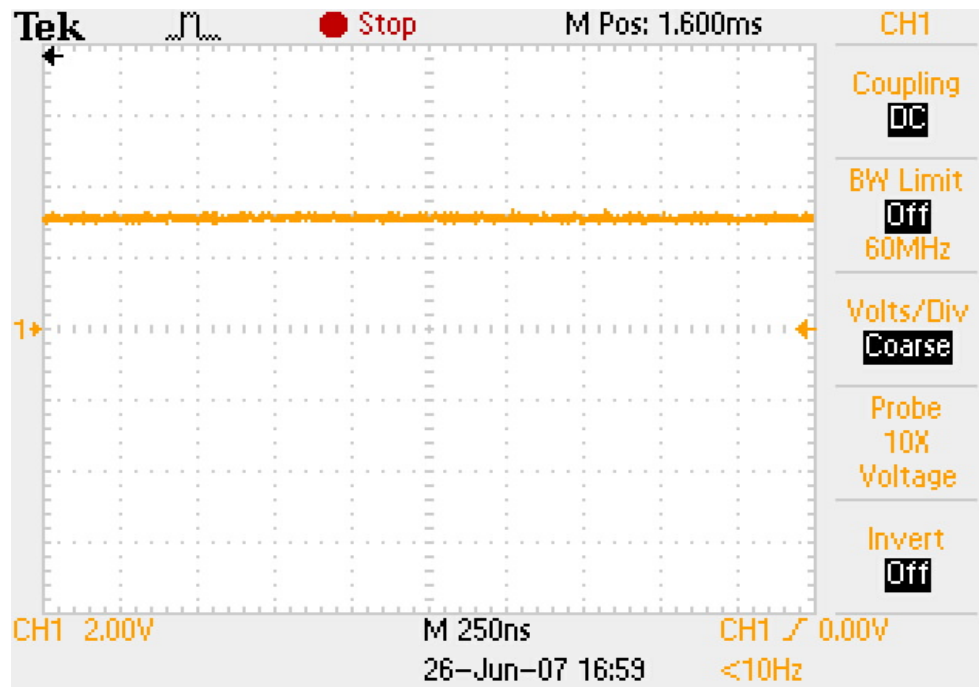
4)R132 dairencinden ölçülebilen 33V_PWM sinyali



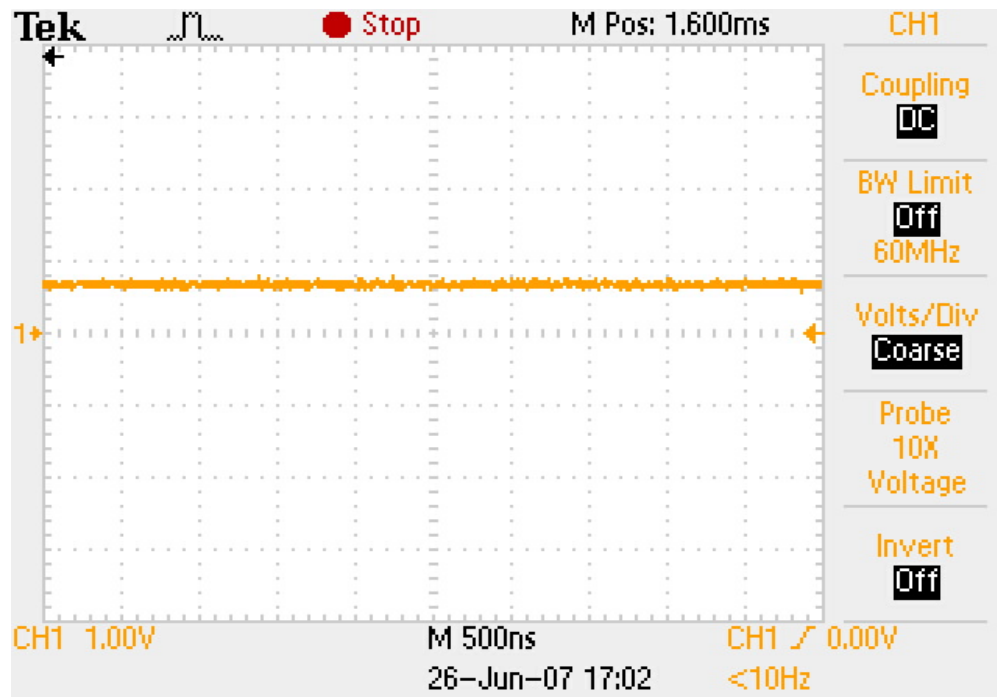
5)R128 direncinden ölçülebilen VBLCTR sinayli (tv açıkken)



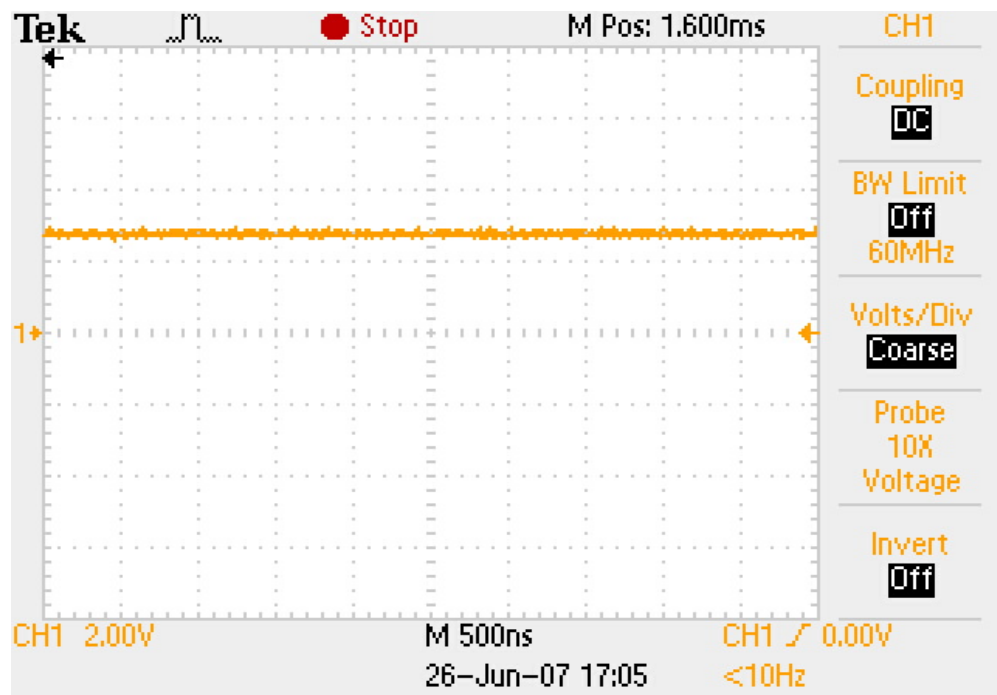
6)R126 direncindenden ölçülebilen BRIGHTNESS sinyali



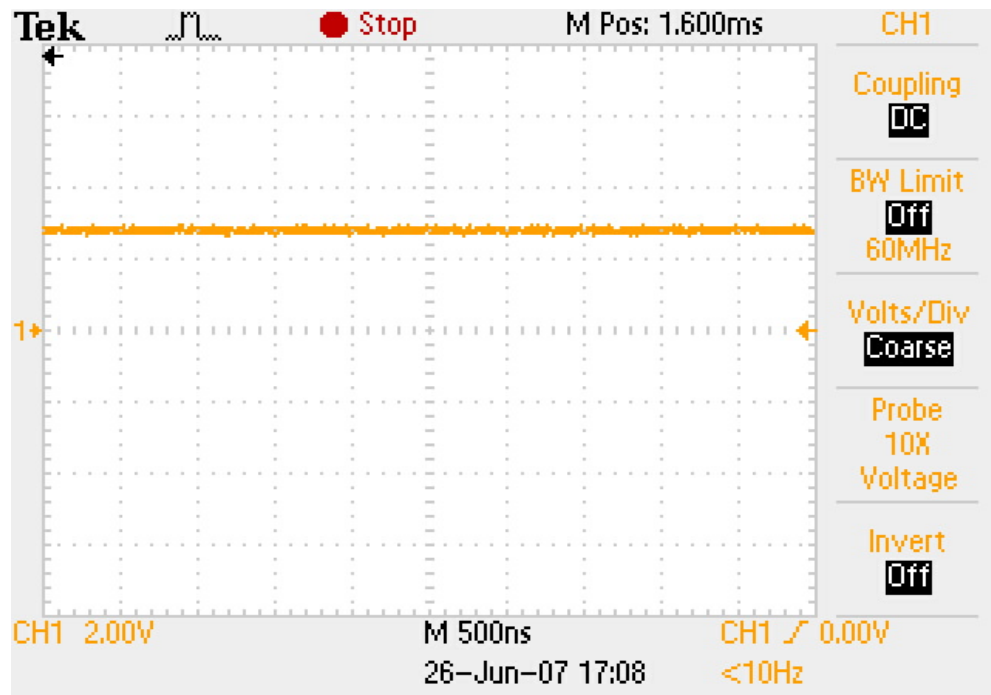
7) R138 direncinden ölçülebilen STANDBY sinyali (tv açıkken)

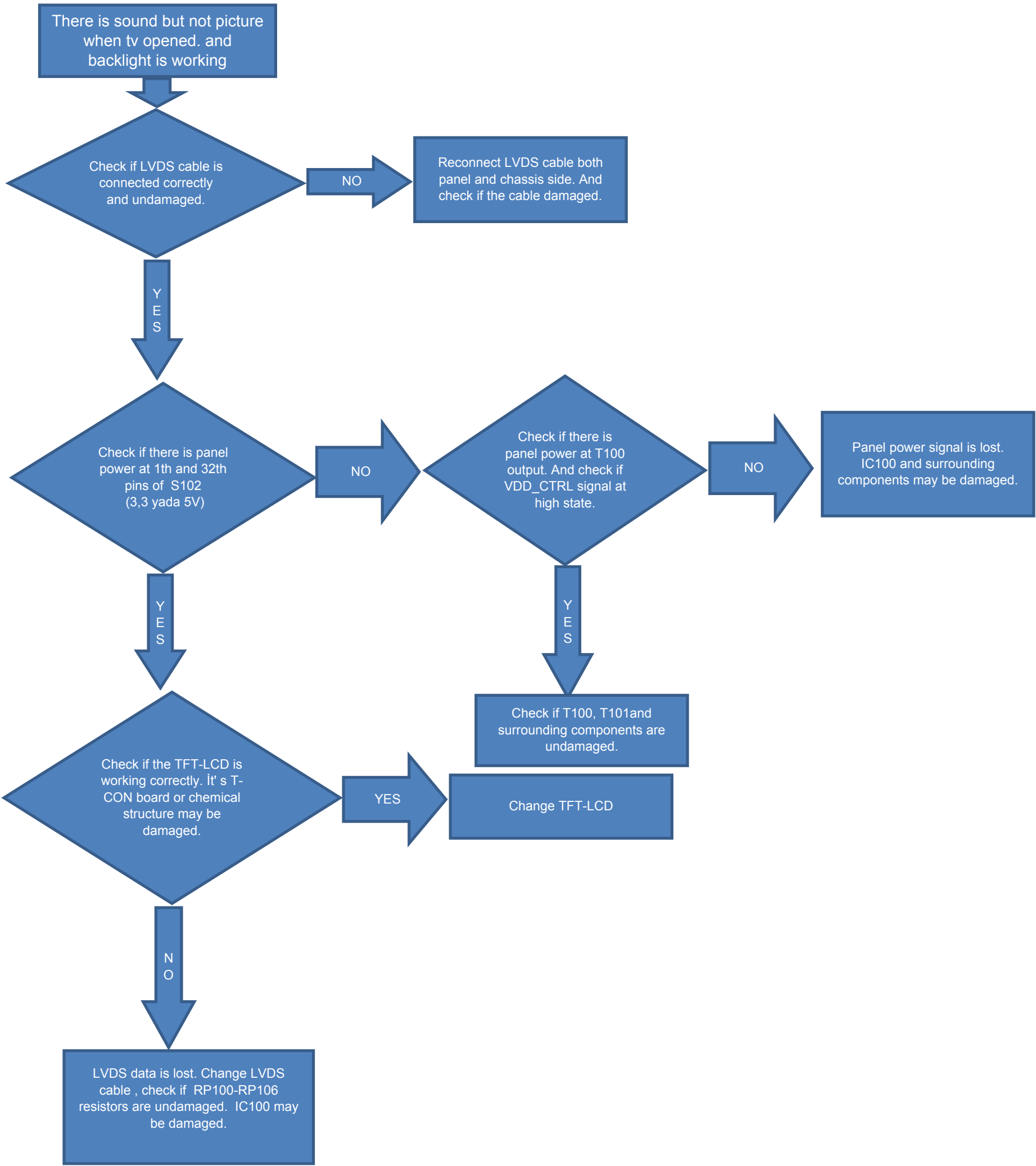


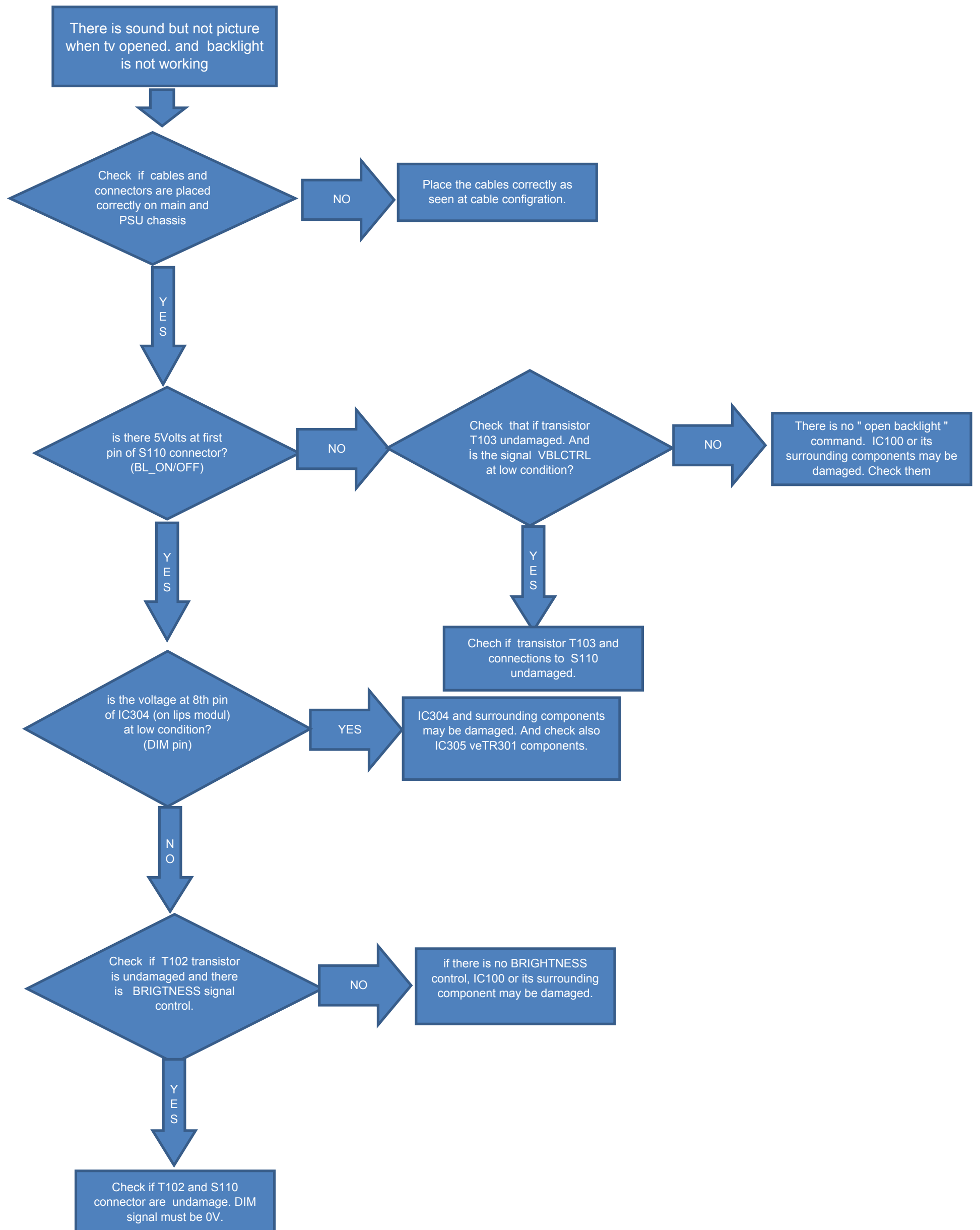
8) R121 direncinden ölçülebilen VDDCTRL sinyali (tv açıkken)

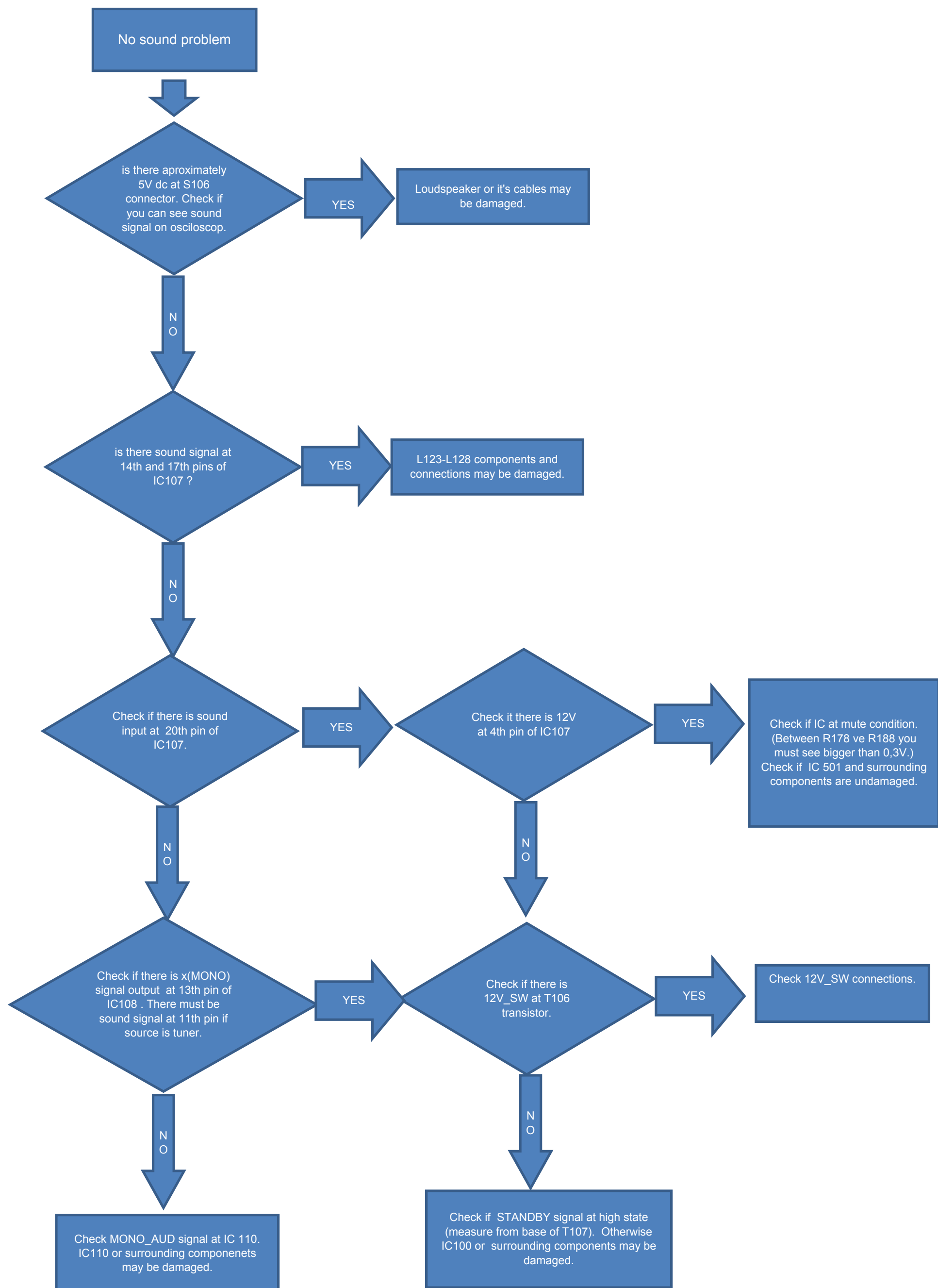


9) R226 direncinden ölçülebilen LED sinyali (tv standby da iken)

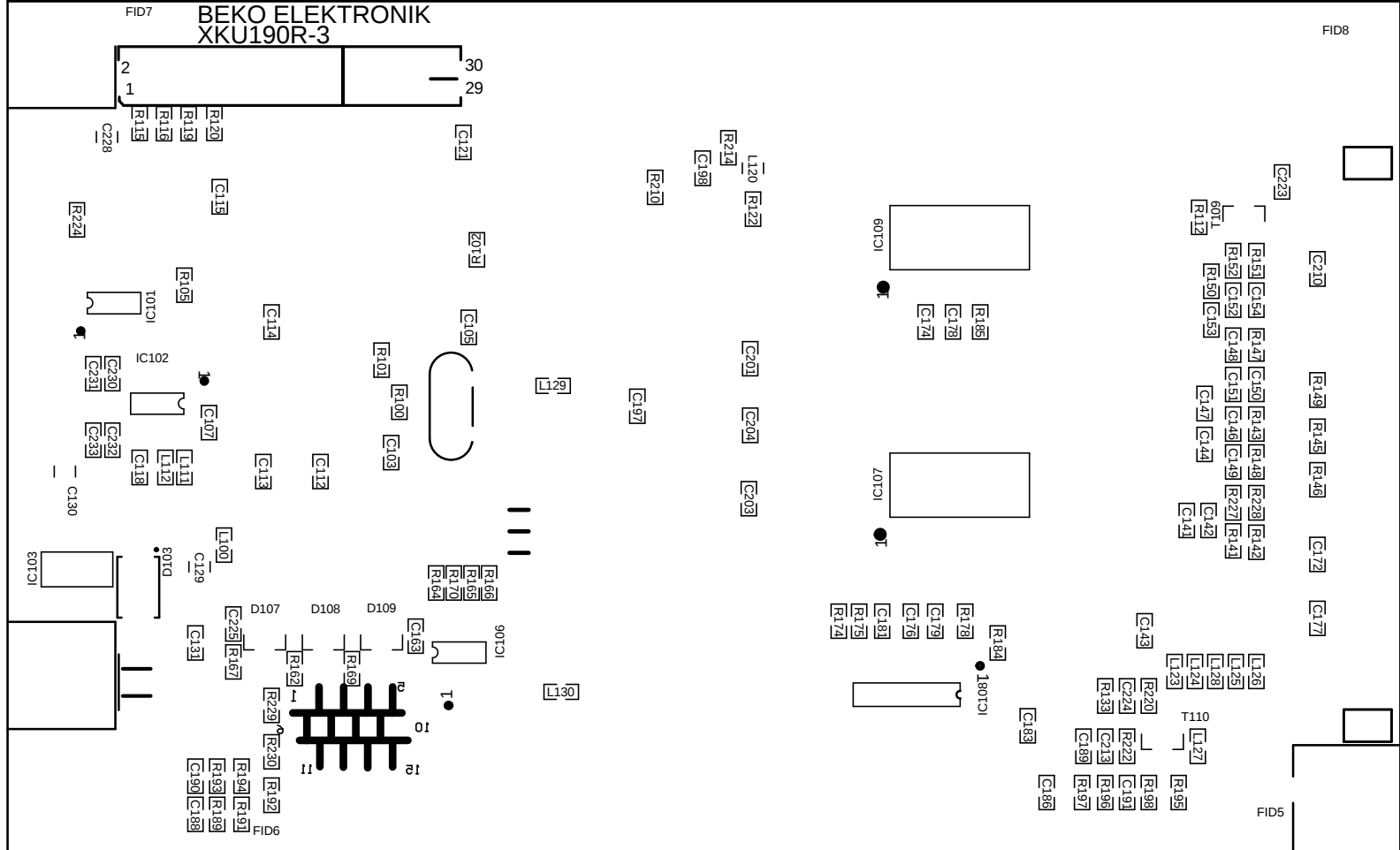








LEHİM YONU ←



FEATURES

■ Video Decoder

- Supports NTSC, PAL and SECAM video input formats
- 2D NTSC and PAL comb-filter for Y/C separation of CVBS input
- Multiple CVBS and S-video inputs
- Supports Closed-caption and V-chip
- Supports Teletext 1.5 and capable Teletext 10 page navigation
- ACC, AGC, and DCGC (Digital Chroma Gain Control)

■ Analog Input

- Supports RGB input format from PC, camcorders and GPS
- Supports YCbCr inputs from conventional video source and HDTV
- Supports SCART – RGB + Fast Blank
- Supports video input 480i, 480p, 576i, 576p, 720p, 1080i; RGB input resolution in 640x480, 800x480, 800x600, 1024x768, and 1280x1024(SXGA)
- 3-channel low-power 10-bit ADCs integration for YCbCr and RGB
- Supports RGB composite sync input (CSYNC), SOY, SOG, HSYNC, and VSYNC
- On-chip clock synthesizer and PLL
- Auto-position adjustment, auto-phase adjustment, auto-gain adjustment, and auto-mode detection

■ Color Engine

- Brightness, contrast, saturation, and hue adjustment
- 9-tap programmable multi-purpose FIR (Finite

Impulse Response) filter

- Differential 3-band peaking engine
- Vertical peaking
- Spatial noise reduction
- Luminance Transient Improvement (LTI)
- Chrominance Transient Improvement (CTI)
- Black Level Extension (BLE)
- White Level Extension (WLE)
- Favor Color Compensation (FCC)
- 3-channel gamma curve adjustment
- Independent 6 color of saturation, hue, and brightness control

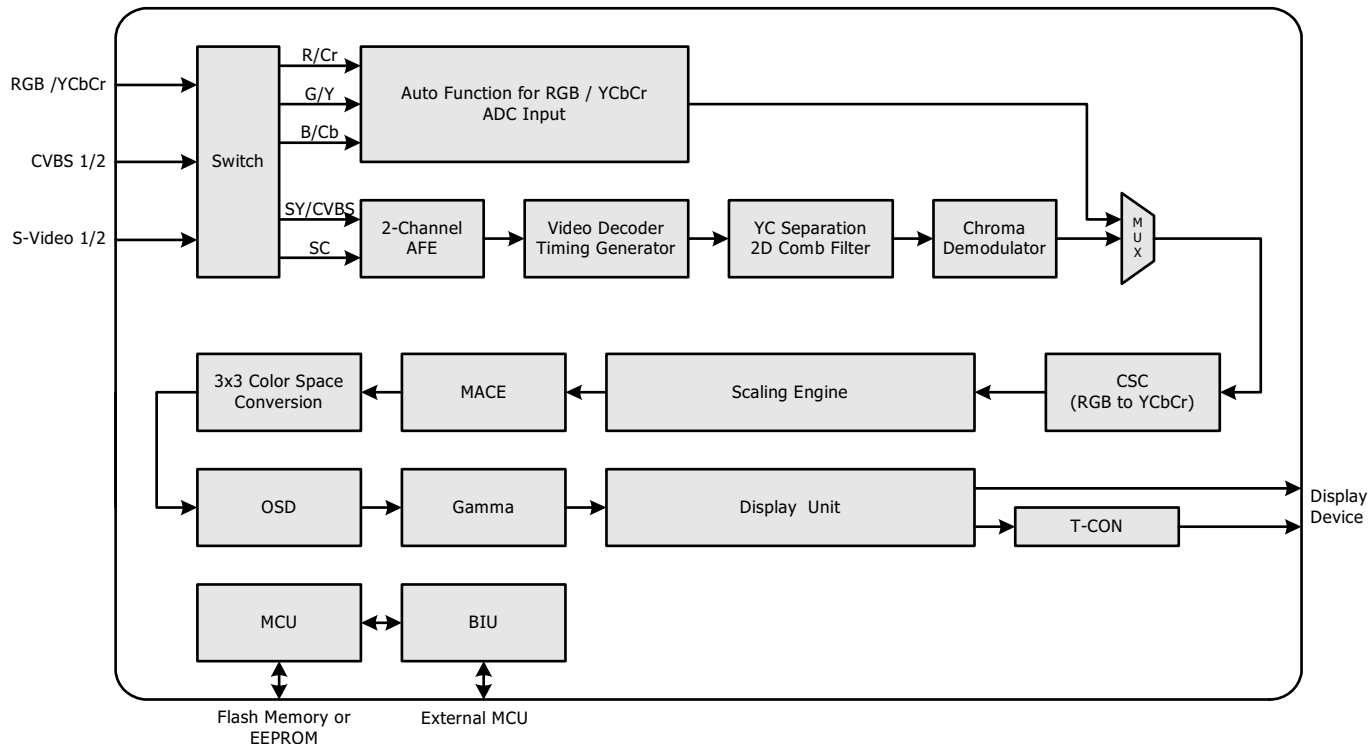
■ Scaling Engine/Panel Interface

- Supports digital panels up to 1366x768, and 1440x900
- Supports single/dual 8-bit LVDS panel outputs
- Supports 8-bit TTL panel output
- Supports various displaying modes
- Supports horizontal panorama scaling

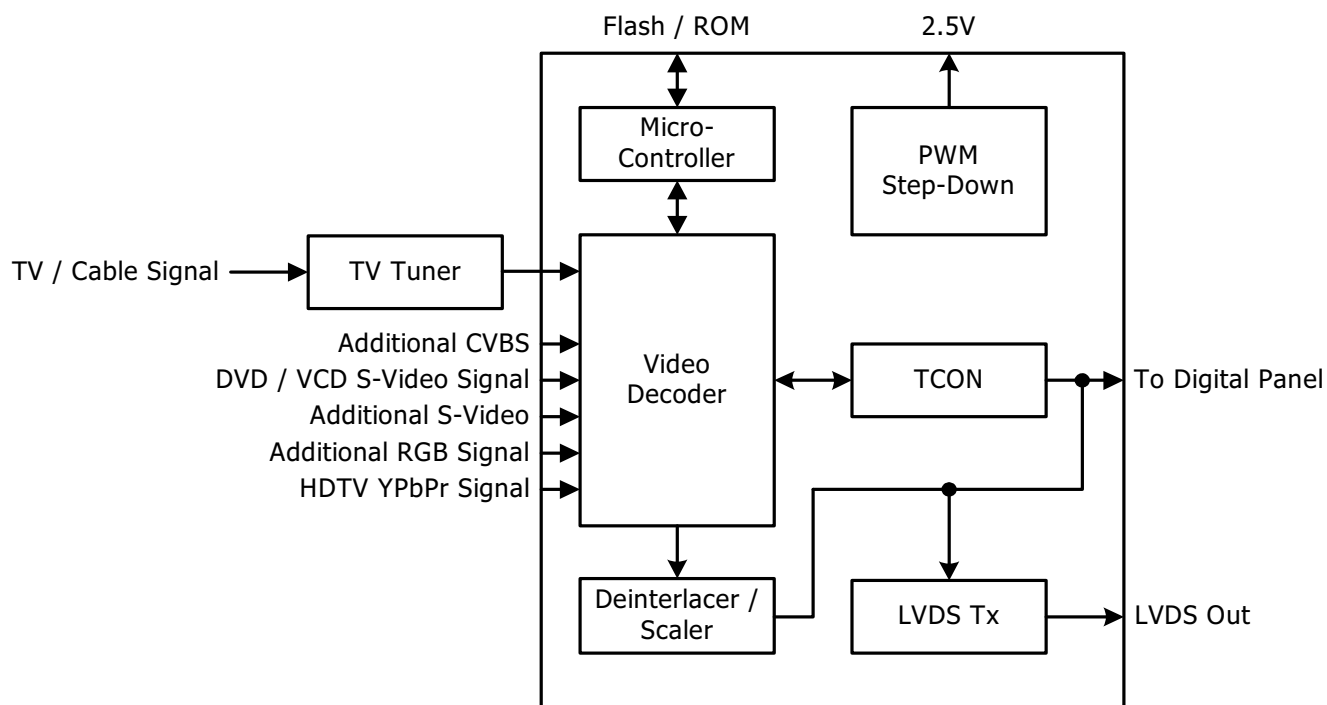
■ Miscellaneous

- Built-in MCU
- 3-wire serial bus interface for configuration setup
- Built-in step-down PWM circuits for input 2.5V
- Built-in internal OSD with 512 programmable fonts, 1 · 2 or 4 bit per pixel color, 16-color palettes, and 12-bit color resolution
- Supports external OSD
- Support CVBS out
- Spread spectrum clocks
- Optional 3.3V / 5V output pads with programmable driving current
- 128-pin PQFP package

BLOCK DIAGRAM



SYSTEM APPLICATION DIAGRAM



GENERAL DESCRIPTION

The MST7610LB is a high quality ASIC for NTSC/PAL/SECAM LCD-TV application. It receives analog NTSC/PAL/SECAM CVBS and S-Video inputs from TV tuners, DVD or VCR sources, including weak and distorted signals, as well as analog RGB input from GPS systems. Automatic gain control (AGC) and 10-bit 3-channel A/D converters provide high resolution video quantization. With automatic video source and mode detection, users can easily switch and adjust variety of signal sources. Multiple internal adaptive PLLs precisely extract pixel clock from video source and perform sharp color demodulation. Built-in line-buffer supports adaptive 2-D comb-filter, 2-D sharpening, and synchronization stabler in a condense manner. The output format of MST7610LB supports 8-bit TTL or LVDS digital TFT-LCD modules.

Pin 1

MST7610LB
XXXXXX

Pinout details:

- Left Side (Pins 1-20):** GND, VMID, VCLAMP, REFM, REFP, AVDD_ADC, PRINP, PRINM, PBINP, PBINM, SOY, YINP, YINM, BINP, BINM, SOGIN, GINP, GINM, RINP, RINM.
- Bottom-Left (Pins 21-38):** AVDD_ADC, C1INP, C1INM, YS1INP, YS1INM, C2INP, C2INM, YS2INP, YS2INM, CVBS1P, CVBS1M, CVBS2P, CVBS2M, CVBSO1, AVDD_GMC, GND, AVDD_PWM, PWMOUT2.
- Bottom (Pins 39-64):** FB2, SENSE2, PWMOUT1, FB1, NC, PGOOD, GND, VDDP, SAR0, SAR1, SAR2, VDDC, GND, SCK, SDI, SDO, CSN, GPIO_P40/PWMD3, GPIO_P41/PWMD4, GPIO_P00, GPIO_P01, GPIO_P02, GPIO_P03, GPIO_P04, GPIO_P05, GPIO_P06.
- Bottom-Right (Pins 65-93):** INT, SDA, SCL, POWER_ON_RSTN/CS, GND, PWMD2, PWMD1, RESET, OSDR/GPIO_P50, OSDG/GPIO_P51, OSDB/GPIO_P52, FB/GPIO_P53, CLKO, DEO, VSYNCO, HSYNCO, GND, VDDP, GPIO_P07, ROUT[0]/LVA3P, ROUT[1]/LVA3M, ROUT[2]/LVACKP, ROUT[3]/LVACKM, ROUT[4]/LVA2P, ROUT[5]/LVA2M, ROUT[6], ROUT[7], GOUT[0]/LVA1P, GOUT[1]/LVA1M, GOUT[2]/LVA0P, GOUT[3]/LVA0M, GOUT[4], GOUT[5], GOUT[6]/LVB3P, GOUT[7]/LVB3M, INT_OUT, BOUT[0]/LVBCKP, BOUT[1]/LVBCKM.
- Right Side (Pins 94-128):** BOUT[2]/LVB2M, BOUT[3]/LVB2M, BOUT[4]/LVB1P, BOUT[5]/LVB1M, BOUT[6]/LVB0P, BOUT[7]/LVB0M, MCUSEL, VDDC, GND, GND, GND, AVDD_OPLL, GND, CVBSO2, VREXT_CDAC, AVDD_CDAC, AVDD_XTAL, GND, XOUT, XIN, VSYNXIN2, HSYNXCIN2, VSYNXCIN1, HSYNXCIN1, GND, AVDD_MPLL, GND.

PIN DESCRIPTION

Analog Interface

Pin Name	Pin Type	Function	Pin
VMID		Mid-Scale Voltage Bypass	2
VCLAMP		CVBS/YC Mode Clamp Voltage Bypass	3
REFM		Internal ADC Bottom De-coupling Pin	4
REFP		Internal ADC Top De-coupling Pin	5
PRINP	Analog Input	Analog Pr Input of HDTV	7
PRINM	Analog Input	Reference Ground for Analog Pr Input of HDTV	8
PBINP	Analog Input	Analog Pb Input of HDTV	9
PBINM	Analog Input	Reference Ground for Analog Pb Input of HDTV	10
SOY	Analog Input	Sync-on-Y slicer input	11
YINP	Analog Input	Analog Y Input of HDTV	12
YINM	Analog Input	Reference Ground for Analog Y Input of HDTV	13
BINP	Analog Input	Analog B Input of VGA	14
BINM	Analog Input	Reference Ground for Analog B Input of VGA	15
SOGIN	Analog Input	Sync-on-Green slicer input	16
GINP	Analog Input	Analog G Input of VGA	17
GINM	Analog Input	Reference Ground for Analog G Input of VGA	18
RINP	Analog Input	Analog R Input of VGA	19
RINM	Analog Input	Reference Ground for Analog R Input of VGA	20
C1INP	Analog Input	Analog Chroma Input for TV S-Video1 / Analog Composite Input of TV CVBS4	22
C1INM	Analog Input	Reference Ground for Analog Chroma Input of TV S-Video1 / Analog Composite Input of TV CVBS4	23
YS1INP	Analog Input	Analog Luma Input of TV S-Video1 / Analog Composite Input of TV CVBS3	24
YS1INM	Analog Input	Reference Ground for Analog Luma Input of TV S-Video1 / Analog Composite Input of TV CVBS3	25
C2INP	Analog Input	Analog Chroma Input for TV S-Video2	26
C2INM	Analog Input	Reference Ground for Analog Chroma Input of TV S-Video2	27
YS2INP	Analog Input	Analog Luma Input of TV S-Video2	28
YS2INM	Analog Input	Reference Ground for Analog Luma Input of TV S-Video2	29
CVBS1P	Analog Input	Analog Composite Input for TV CVBS1	30
CVBS1M	Analog Input	Reference Ground for Analog Composite Input of TV CVBS1	31
CVBS2P	Analog Input	Analog Composite Input for TV CVBS2	32

Pin Name	Pin Type	Function	Pin
CVBS2M	Analog Input	Reference Ground for Analog Composite Input of TV CVBS2	33
VREXT_CDAC	Analog Input	Reference Current Generator, 820 ohm to Ground	116
HSYNCIN1	Schmitt Trigger Input w/ 5V-tolerant	HSYNC / Composite Sync for VGA Input 1	125
VSYNIN1	Schmitt Trigger Input w/ 5V-tolerant	VSYN for VGA Input 1	124
HSYNCIN2	Schmitt Trigger Input w/ 5V-tolerant	HSYNC / Composite Sync for VGA Input 2	123
VSYNIN2	Schmitt Trigger Input w/ 5V-tolerant	VSYN for VGA Input 2	122

Digital Panel Output Interface

Pin Name	Pin Type	Function	Pin
CLKO	Output	Display Clock Output	77
DEO	Output	Display Enable Output	78
VSYNCO	Output	Vertical Sync Output	79
HSYNCO	Output	Horizontal Sync Output	80
BOUT[7]/LVB0M	Output	Blue channel Output [7] / LVDS B-Link Channel 0 Negative Differential Data Output	108
BOUT[6]/LVB0P	Output	Blue channel Output [6] / LVDS B-Link Channel 0 Positive Differential Data Output	107
BOUT[5]/LVB1M	Output	Blue channel Output [5] / LVDS B-Link Channel 1 Negative Differential Data Output	106
BOUT[4]/LVB1P	Output	Blue channel Output [4] / LVDS B-Link Channel 1 Positive Differential Data Output	105
BOUT[3]/LVB2M	Output	Blue channel Output [3] / LVDS B-Link Channel 2 Negative Differential Data Output	104
BOUT[2]/LVB2P	Output	Blue channel Output [2] / LVDS B-Link Channel 2 Positive Differential Data Output	103
BOUT[1]/LVBCKM	Output	Blue channel Output [1] / LVDS B-Link Negative Differential Clock Output	102
BOUT[0]/LVBCKP	Output	Blue channel Output [0] / LVDS B-Link Positive Differential Clock Output	101
GOUT[7]/LVB3M	Output	Green channel Output [7] / LVDS B-Link Channel 3 Negative Differential Data Output	99
GOUT[6]/LVB3P	Output	Green channel Output [6] / LVDS B-Link Channel 3 Positive Differential Data Output	98

Pin Name	Pin Type	Function	Pin
GOUT[5:4]	Output	Green channel Output [5:4]	97, 96
GOUT[3]/LVA0M	Output	Green channel Output [3] / LVDS A-Link Channel 0 Negative Differential Data Output	95
GOUT[2]/LVA0P	Output	Green channel Output [2] / LVDS A-Link Channel 0 Positive Differential Data Output	94
GOUT[1]/LVA1M	Output	Green channel Output [1] / LVDS A-Link Channel 1 Negative Differential Data Output	93
GOUT[0]/LVA1P	Output	Green channel Output [0] / LVDS A-Link Channel 1 Positive Differential Data Output	92
ROUT[7:6]	Output	Red channel Output [7:6]	91, 90
ROUT[5]/LVA2M	Output	Red channel Output [5] / LVDS A-Link Channel 2 Negative Differential Data Output	89
ROUT[4]/LVA2P	Output	Red channel Output [4] / LVDS A-Link Channel 2 Positive Differential Data Output	88
ROUT[3]/LVACKM	Output	Red channel Output [3] / LVDS A-Link Negative Differential Clock Output	87
ROUT[2]/LVACKP	Output	Red channel Output [2] / LVDS A-Link Positive Differential Clock Output	86
ROUT[1]/LVA3M	Output	Red channel Output [1] / LVDS A-Link Channel 3 Negative Differential Data Output	85
ROUT[0]/LVA3P	Output	Red channel Output [0] / LVDS A-Link Channel 3 Positive Differential Data Output	84

External OSD Interface

Pin Name	Pin Type	Function	Pin
OSDR/GPIO_P50	I/O w/ 5V-tolerant	External OSD R-channel Input / General Purpose Input/Output; 4mA driving strength	73
OSDG/GPIO_P51	I/O w/ 5V-tolerant	External OSD G-channel Input / General Purpose Input/Output; 4mA driving strength	74
OSDB/GPIO_P52	I/O w/ 5V-tolerant	External OSD B-channel Input / General Purpose Input/Output; 4mA driving strength	75
FB/GPIO_P53	I/O w/ 5V-tolerant	External Fast-Blank Input / General Purpose Input/Output; 4mA driving strength	76

Switching Power and PWM Interface

Pin Name	Pin Type	Function	Pin
PWMOUT2	Output	Switching Pulse Output for DC-DC Converter	38
FB2	Analog Input	Error Voltage Feedback Input Pin for PWM2; voltage = 1.2V	39
SENSE2	Analog Input	Sense Circuit Connection for PWM2	40
PWMOUT1	Output	Switching Pulse Output for DC-DC Converter	41
FB1	Analog Input	Error Voltage Feedback Input Pin for PWM1; voltage = 1.2V	42
PGOOD	Output	Power Good Indicator	44

Internal MCU Interface with Serial Flash Memory

Pin Name	Pin Type	Function	Pin
SAR2	Analog Input	SAR Low Speed ADC Input 2	49
SAR1	Analog Input	SAR Low Speed ADC Input 1	48
SAR0	Analog Input	SAR Low Speed ADC Input 0	47
SCK	Output	SPI Interface Sampling Clock	52
SDI	Output	SPI Interface Data-In	53
SDO	Input w/ 5V-tolerant	SPI Interface Data-Out	54
CSN	Output	SPI Interface Chip Select	55
GPIO_P00-GPIO_P07	I/O w/ 5V-tolerant	General Purpose Input/Output; 4mA driving strength	58-64, 83
INT	Input	Interrupt Input for IR Receiver	65
SDA	I/O w/ 5V-tolerant, w/ pull-up resistor	3-Wire Serial Bus Data	66
SCL	Input w/ 5V-tolerant	3-Wire Serial Bus Clock	67
POWER_ON_RSTN/CS	Input w/ 5V-tolerant	Power On Reset Signal/Chip Selection for 3-wire Serial	68

Misc. Interface

Pin Name	Pin Type	Function	Pin
RESET	Schmitt Trigger Input w/ 5V-tolerant	Hardware Reset; active high	72
XIN	Analog Input	Crystal Oscillator Input	121
XOUT	Analog Output	Crystal Oscillator Output	120
GPIO_P40/PWMD3	Output	General Purpose Input/Output; 4mA driving strength/ Pulse Width Modulation Output; 4mA driving strength	56

Pin Name	Pin Type	Function	Pin
GPIO_P41/PWMD4	Output	General Purpose Input/Output; 4mA driving strength/ Pulse Width Modulation Output; 4mA driving strength	57
PWMD2	Output	Pulse Width Modulation Output; 4mA driving strength	70
PWMD1	Output	Pulse Width Modulation Output; 4mA driving strength	71
INT_OUT	Output	Mode Detection Interrupt Output	100
CVBSO1/CVBSO2	Output	Analog Composite Output for TV CVBS1/CVBS2	34, 115
MCUSEL	Input	Embedded MCU selection. 0: MCU on. 1: MCU off.	109

Power Pins

Pin Name	Pin Type	Function	Pin
AVDD_ADC	2.5V Power	ADC Power	6, 21
AVDD_GMC	5V Power	GMC Power	35
AVDD_PWM	5V Power	PWM Power	37
AVDD_OPLL	2.5V Power	OPLL Power	113
AVDD_CDAC	2.5V Power	Current DAC Power	117
AVDD_XTAL	5V Power	XTAL Power	118
AVDD_MPLL	2.5V Power	MPLL Power	127
VDDC	2.5V Power	Digital Core Power	50, 110
VDDP	3.3V/5V Power	Digital Input/Output Power	46, 82
GND	Ground	Ground	1, 36, 45, 51, 69, 81, 111, 112, 114, 119, 126, 128

No Connects

Pin Name	Pin Type	Function	Pin
NC		No connects	43

ELECTRICAL SPECIFICATIONS

Absolute Maximum Ratings

Parameter	Symbol	Min	Typ	Max	Units
5.0V Supply Voltages	V _{VDD_50}	-0.3		5.5	V
3.3V Supply Voltages	V _{VDD_33}	-0.3		3.6	V
2.5V Supply Voltages	V _{VDD_25}	-0.3		2.75	V
Input Voltage (5V tolerant inputs)	V _{IN5Vtol}	-0.3		5.0	V
Input Voltage (non 5V tolerant inputs)	V _{IN}	-0.3		V _{VDD_33}	V
Ambient Operating Temperature	T _A	0		70	°C
Storage Temperature	T _{STG}	-40		125	°C
Junction Temperature	T _J			125	°C
Thermal Resistance (Junction to Air) Natural Convection	θ _{JA}		TBD		°C/W
Thermal Resistance (Junction to Case) Natural Convection	θ _{JC}		TBD		°C/W

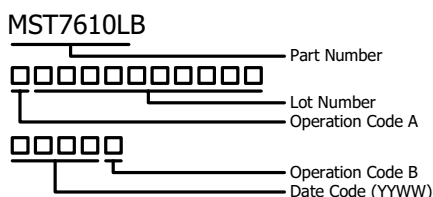
Note: Stresses above those listed in Absolute Maximum Ratings may cause permanent damage to the device. This is a stress rating only and does not imply functional operation of the device. Exposure to absolute maximum ratings for extended periods may affect device reliability.

ORDERING GUIDE

Model	Temperature Range	Package Description	Package Option
MST7610LB	0°C to +70°C	PQFP	128
MST7610LB-LF	0°C to +70°C	PQFP	128

Note: Product suffix "-LF" represents lead-free version.

MARKING INFORMATION

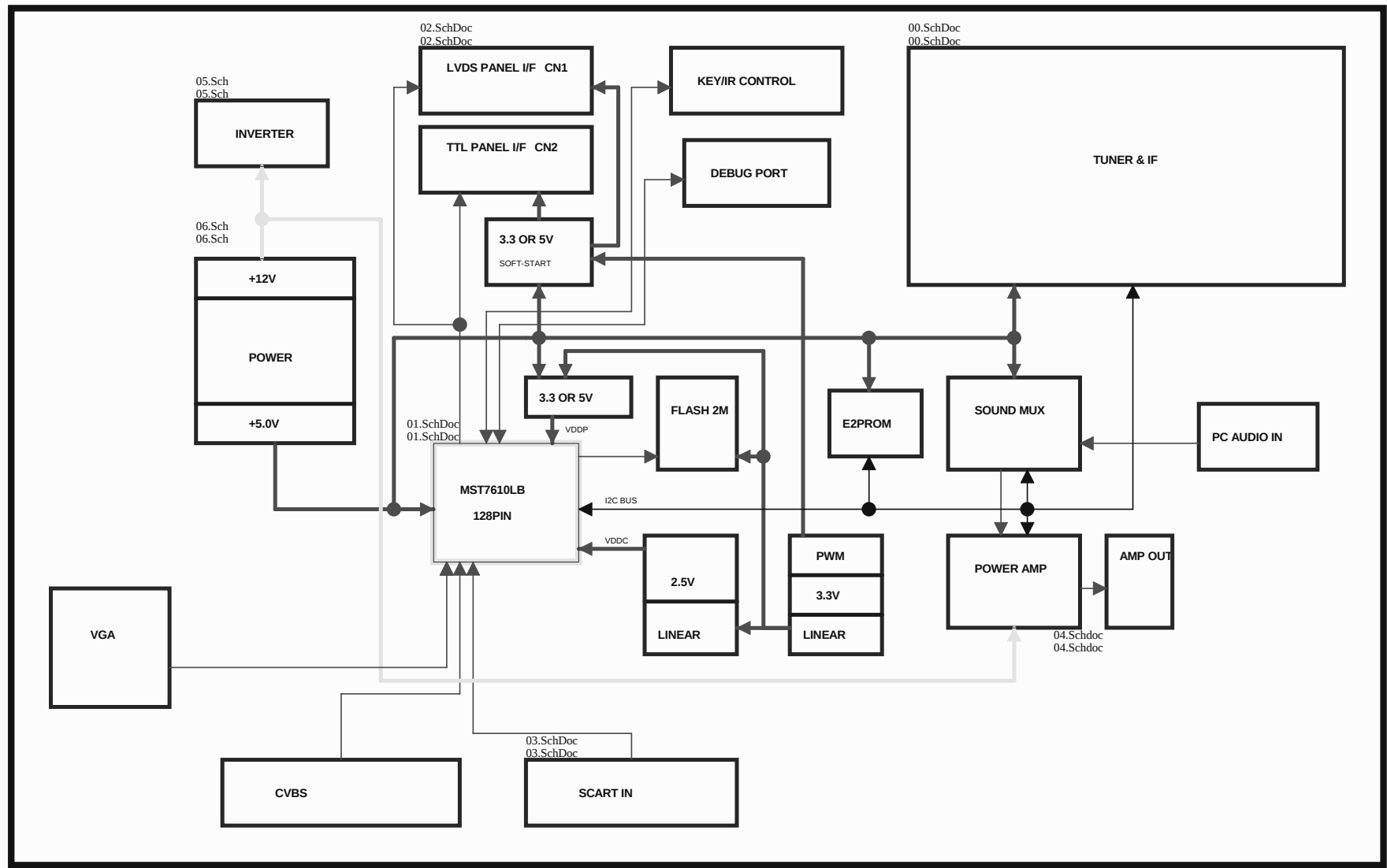


DISCLAIMER

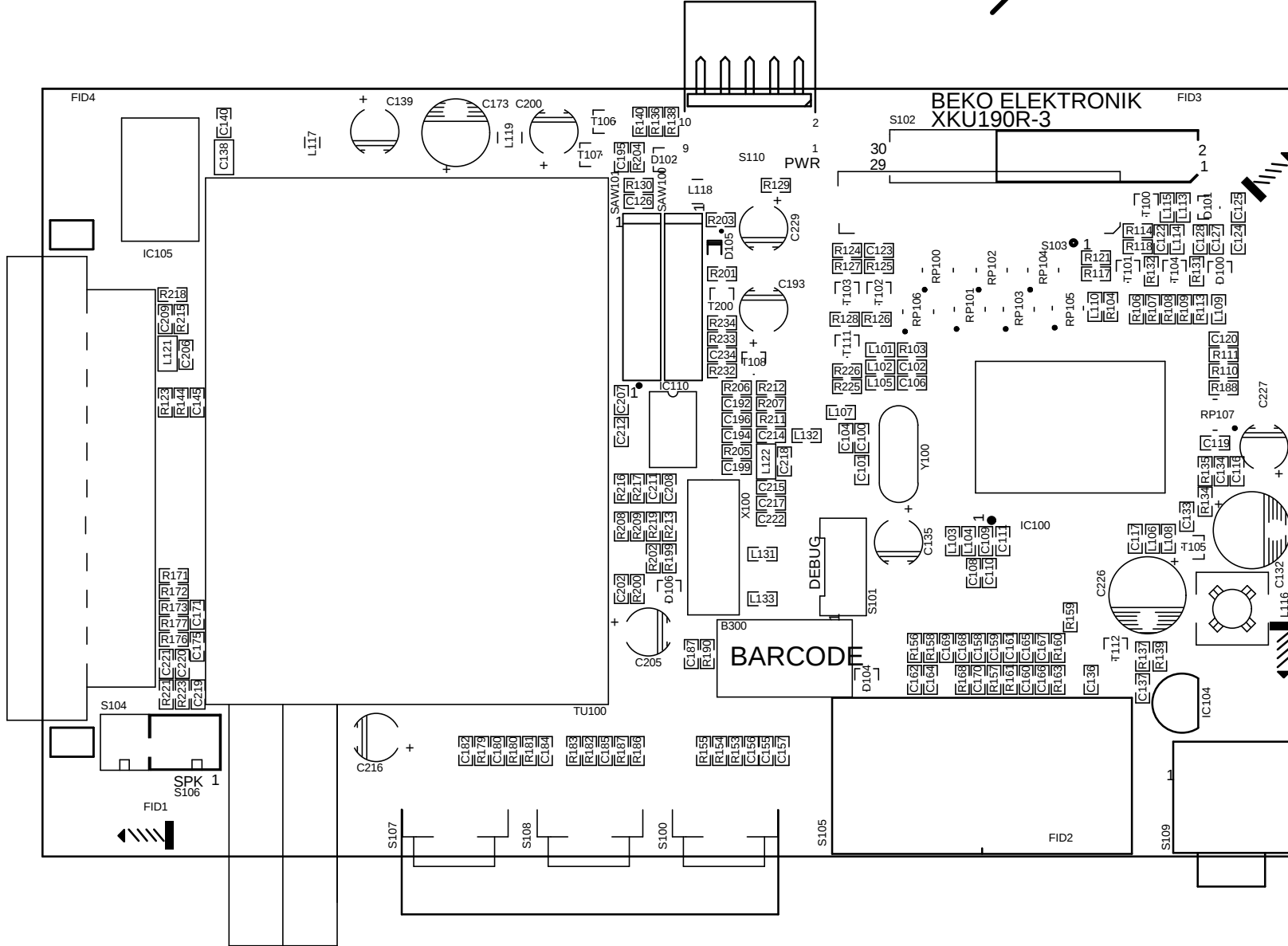
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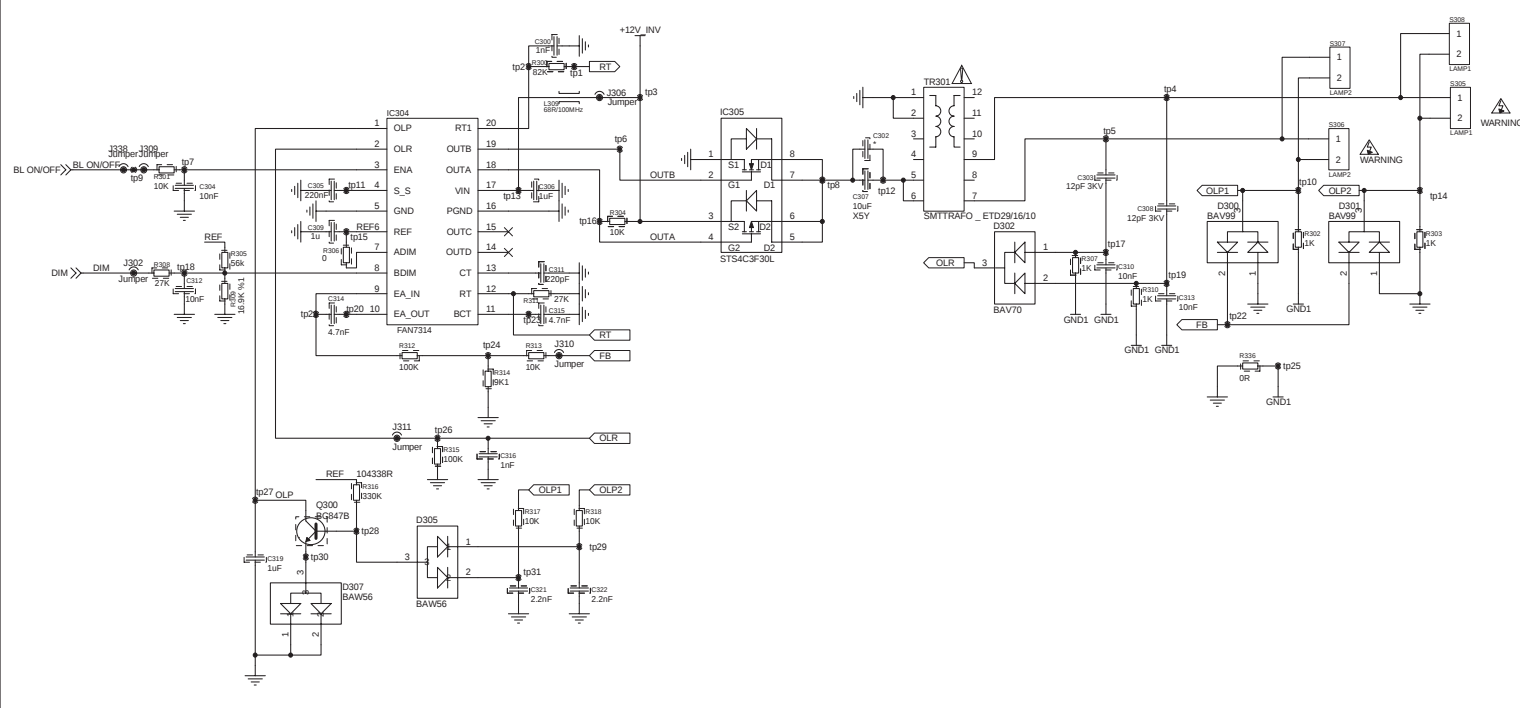
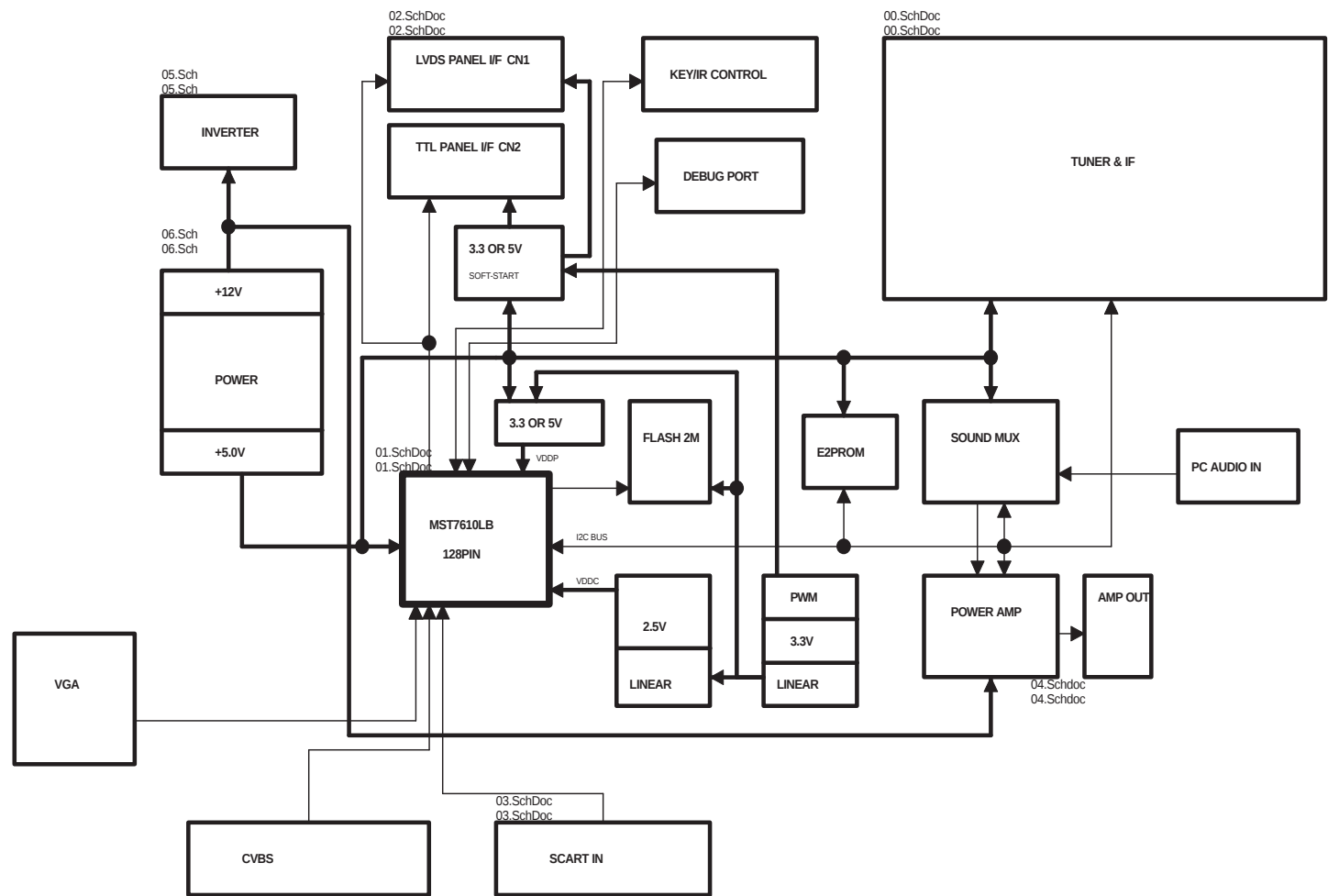
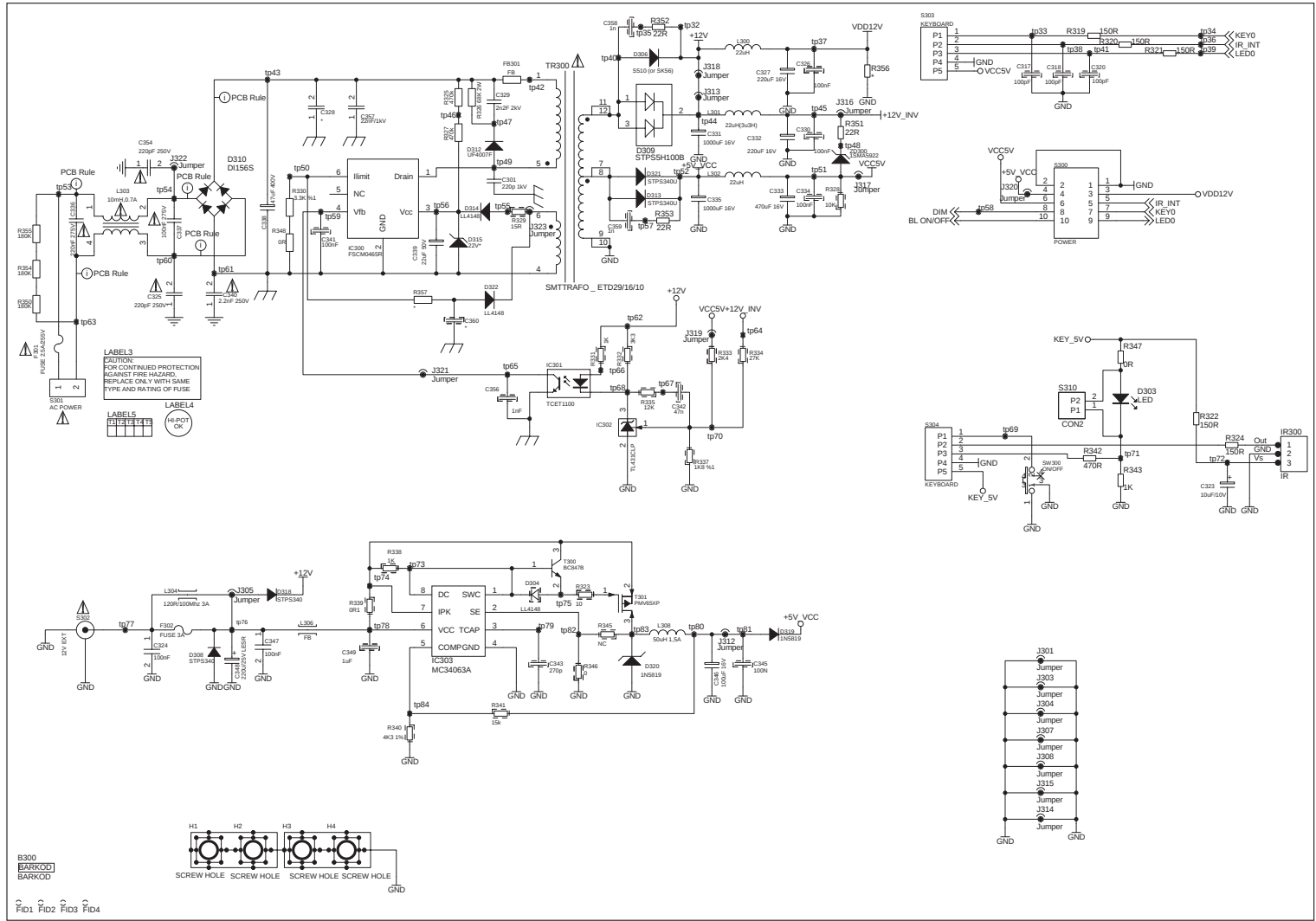
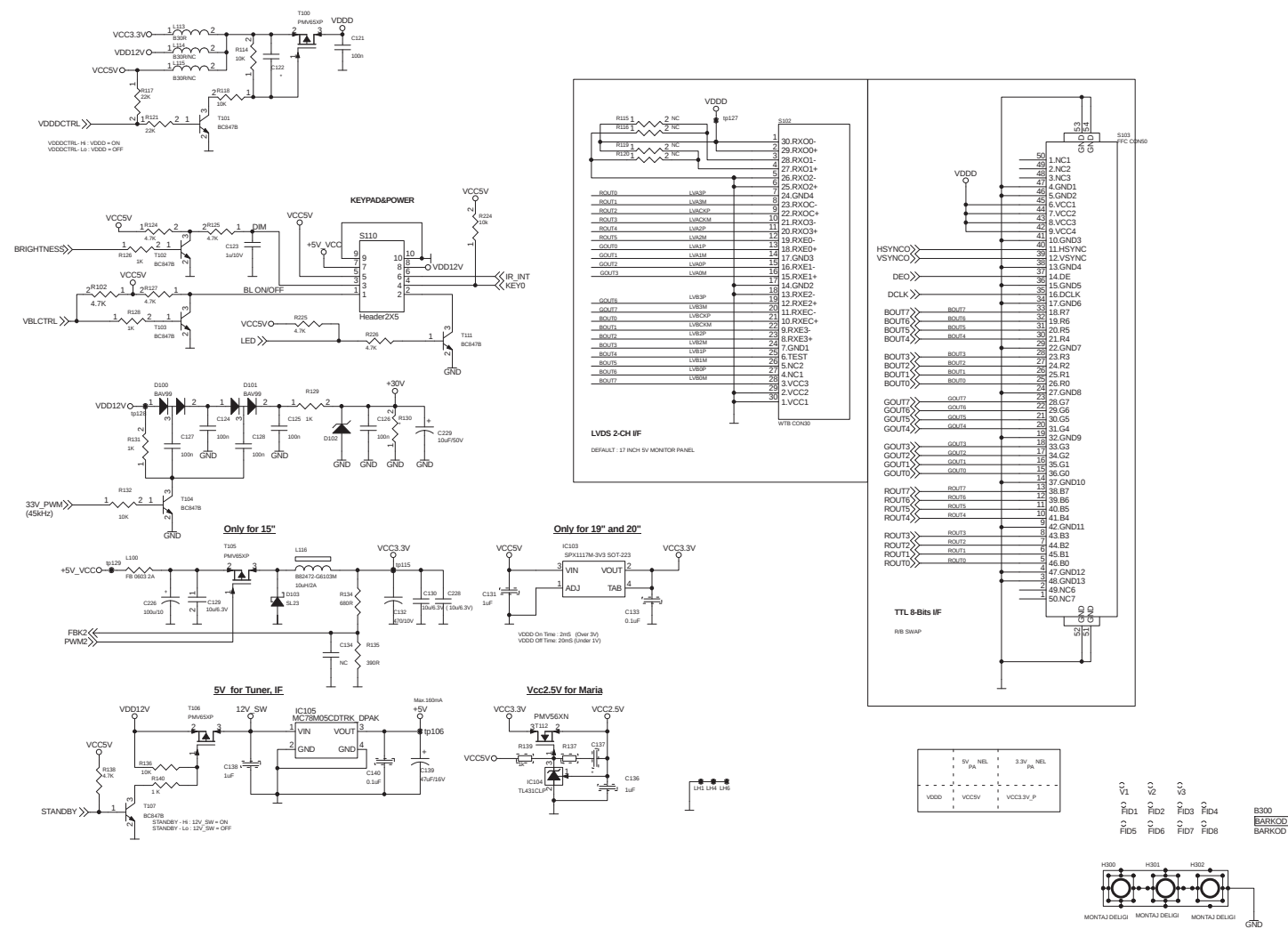


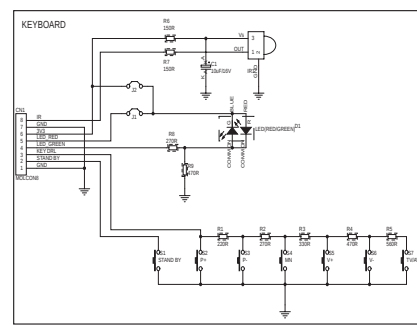
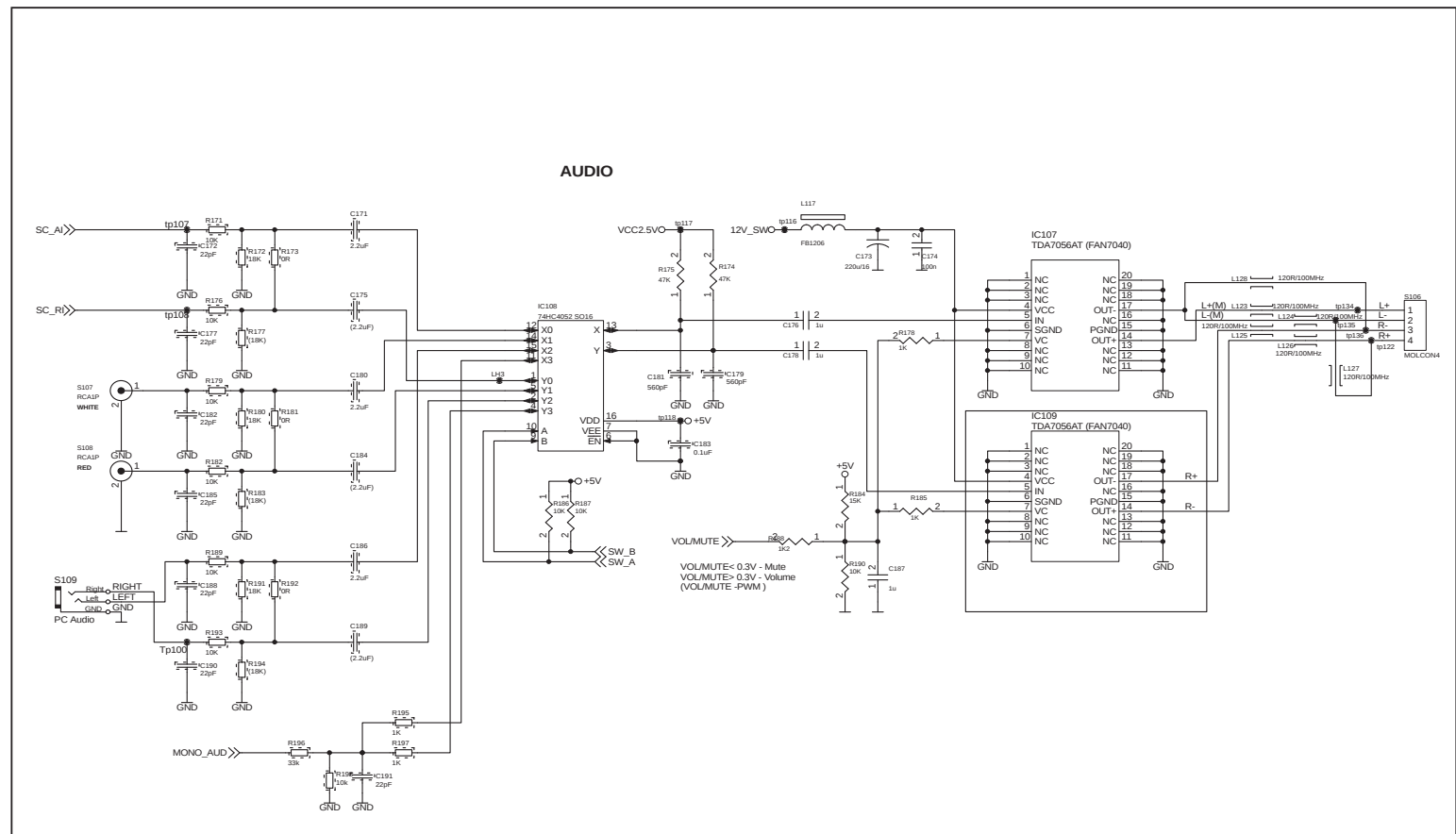
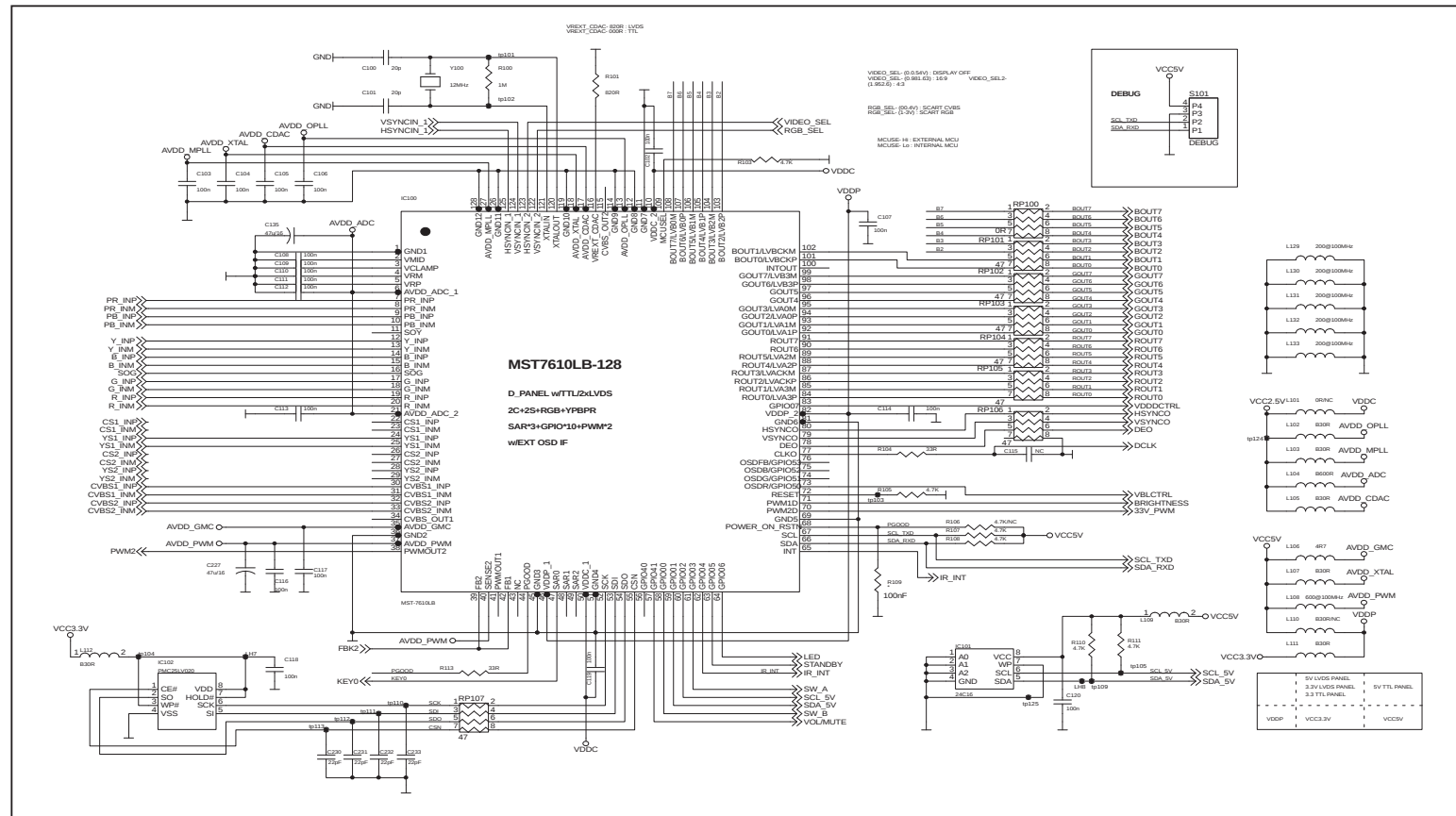
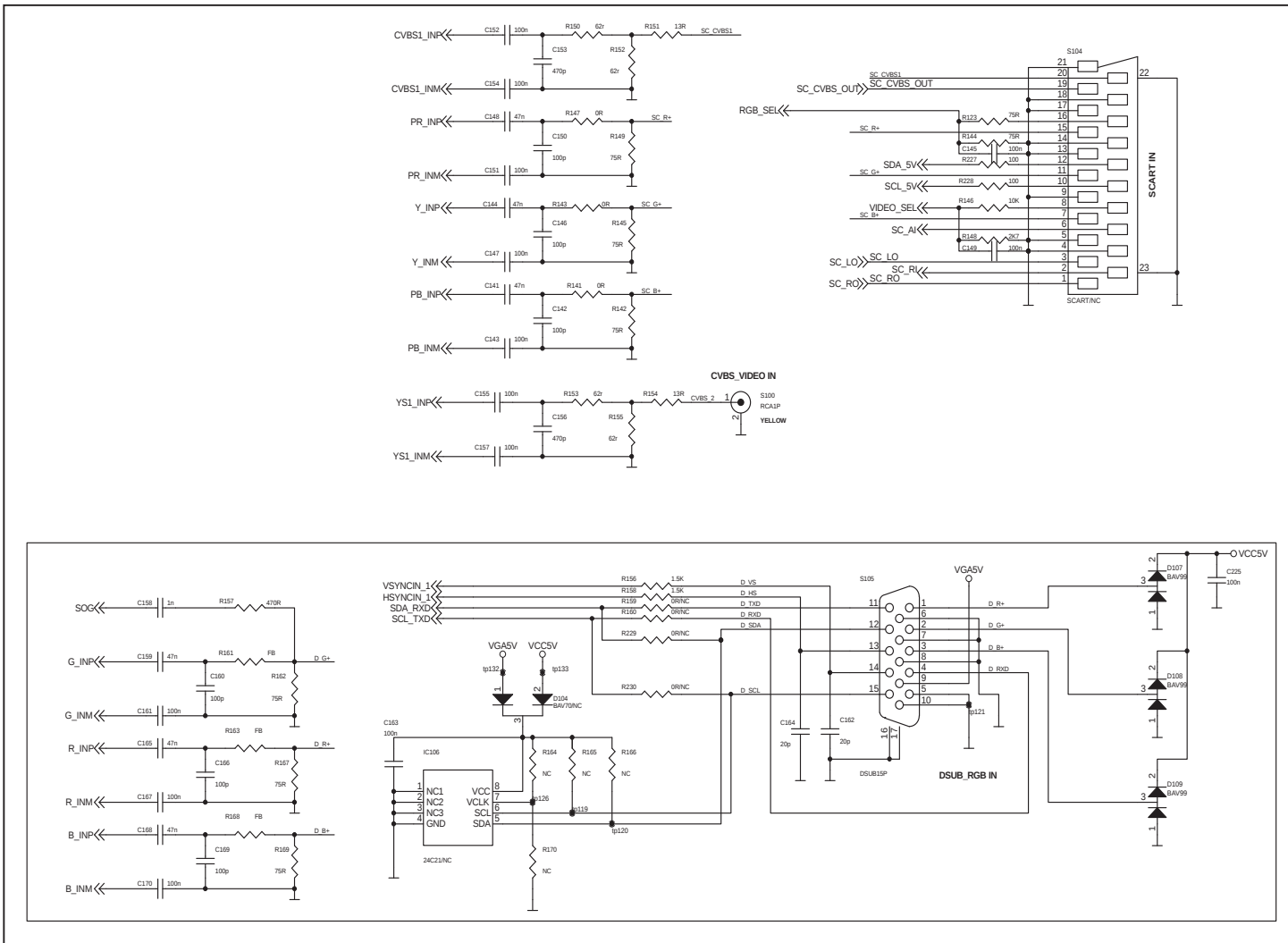
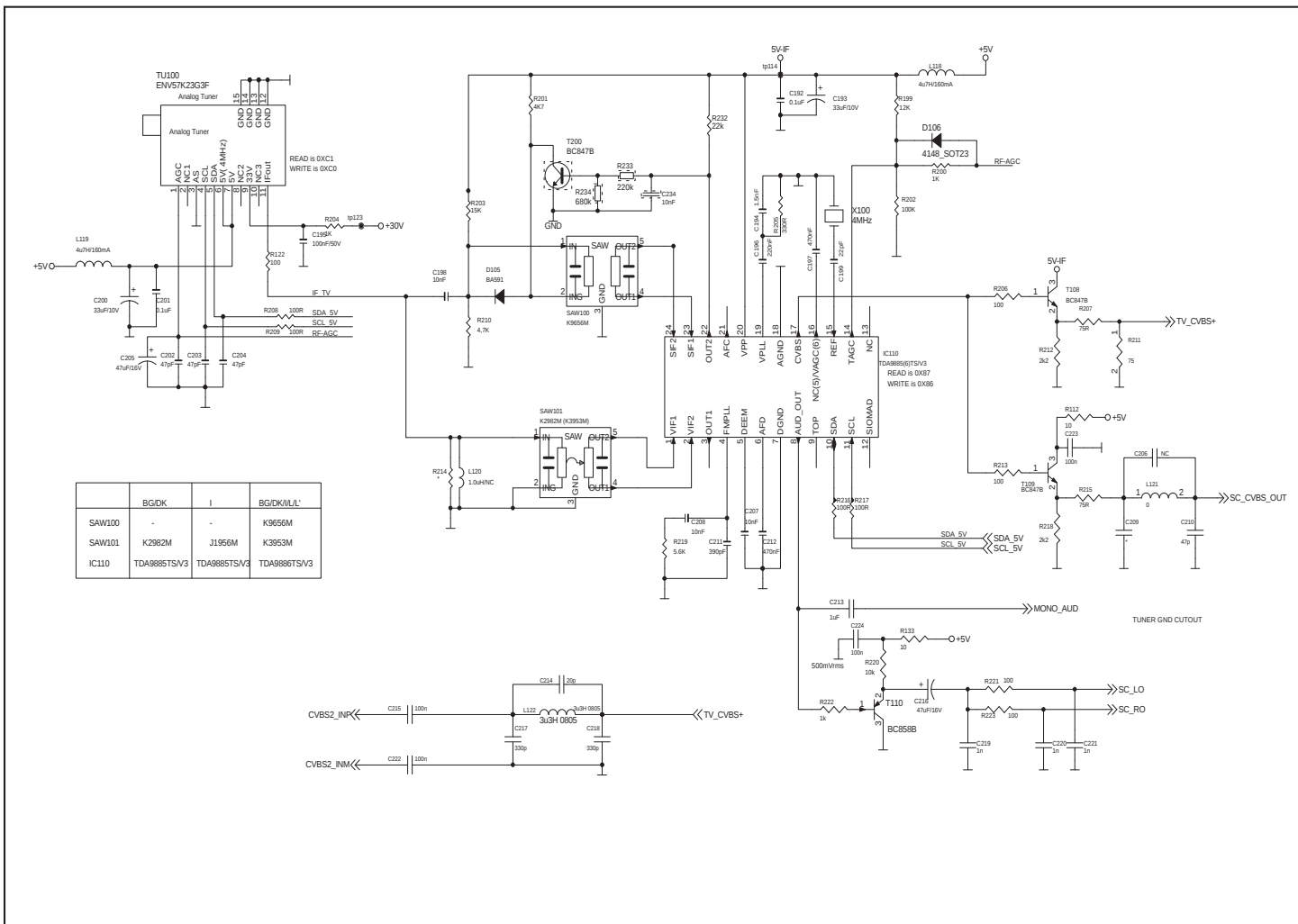
Electrostatic charges accumulate on both test equipment and human body and can discharge without detection. MST7610LB comes with ESD protection circuitry; however, the device may be permanently damaged when subjected to high energy discharges. The device should be handled with proper ESD precautions to prevent malfunction and performance degradation.



LEHİM YONU





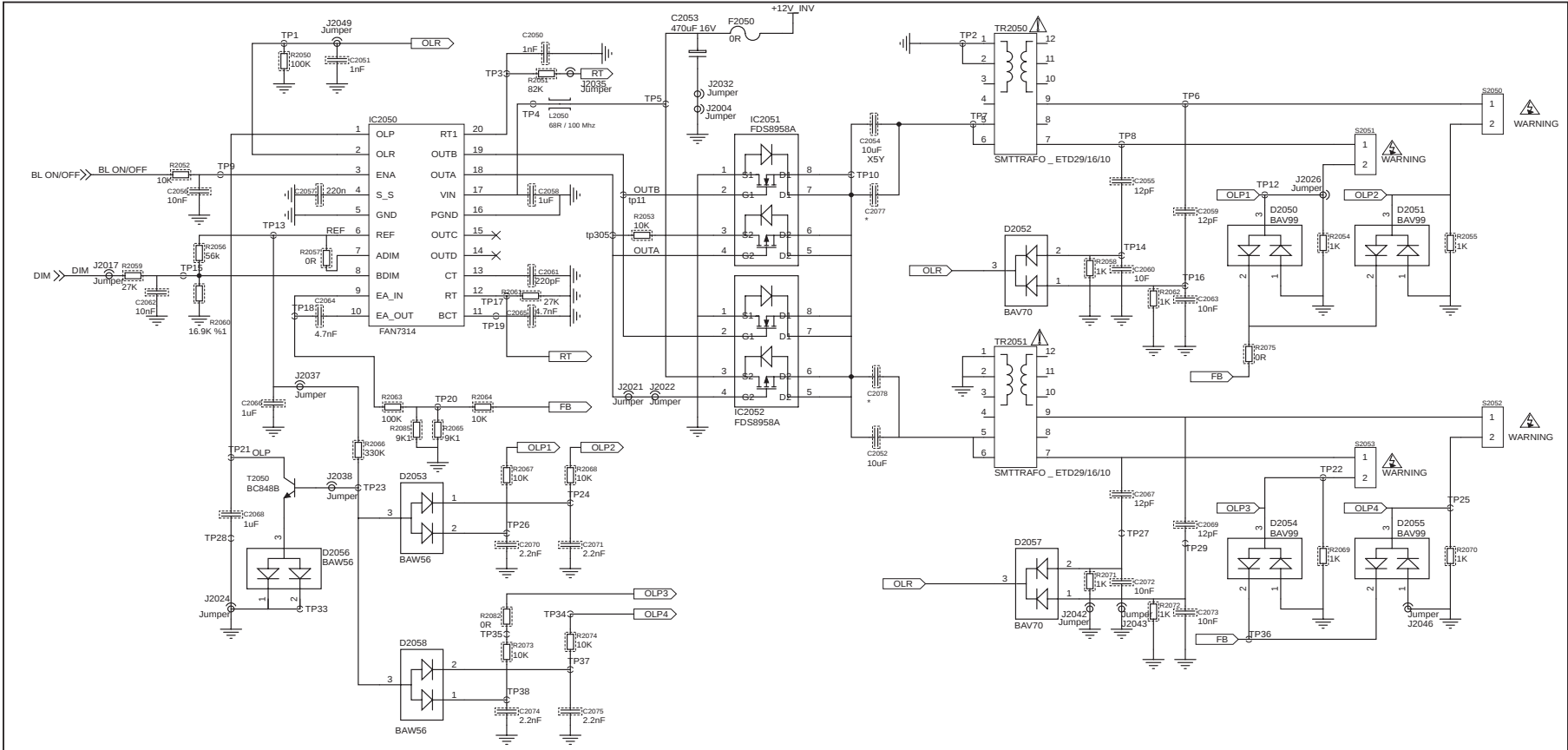
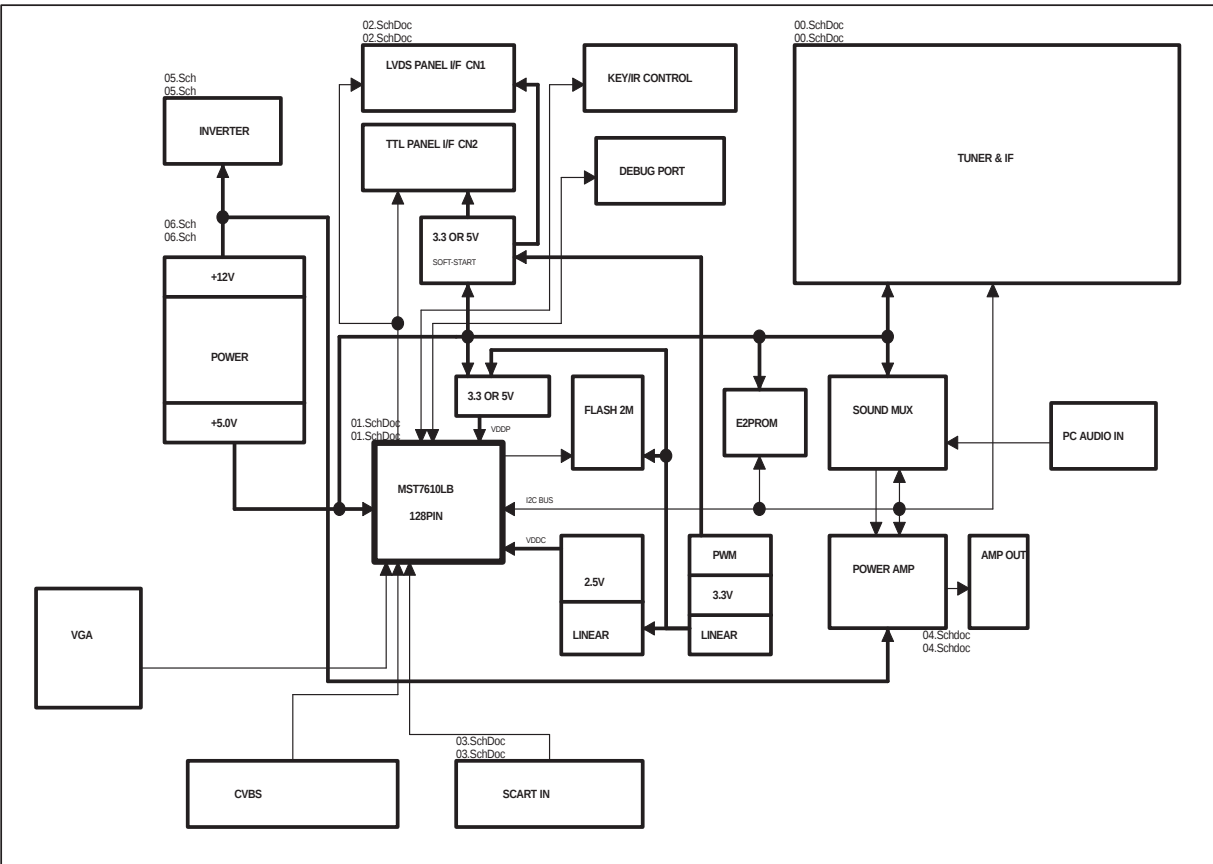
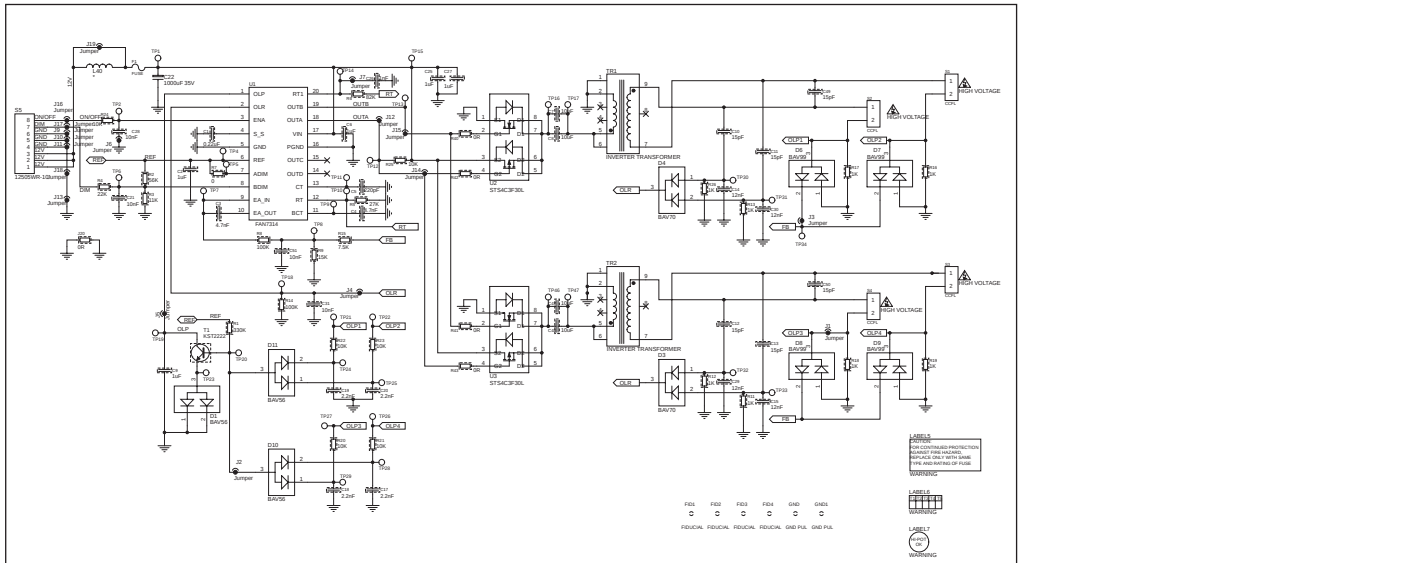
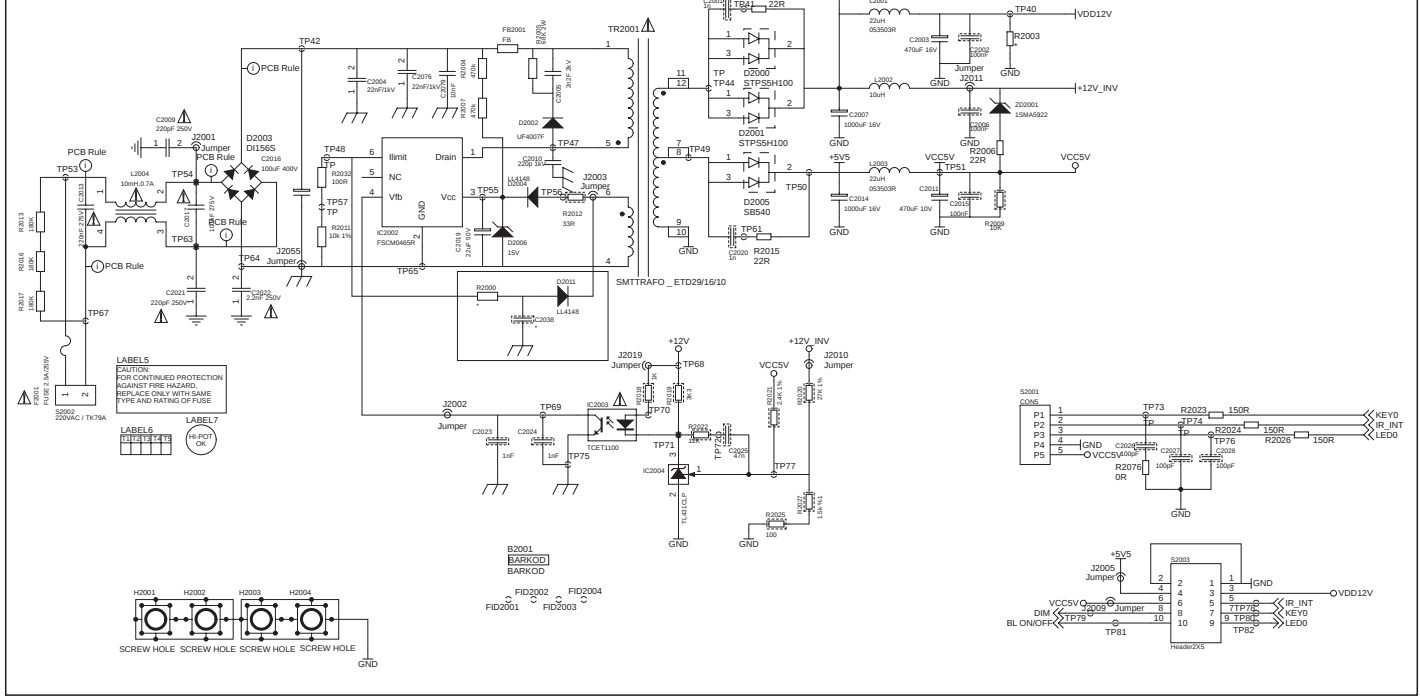
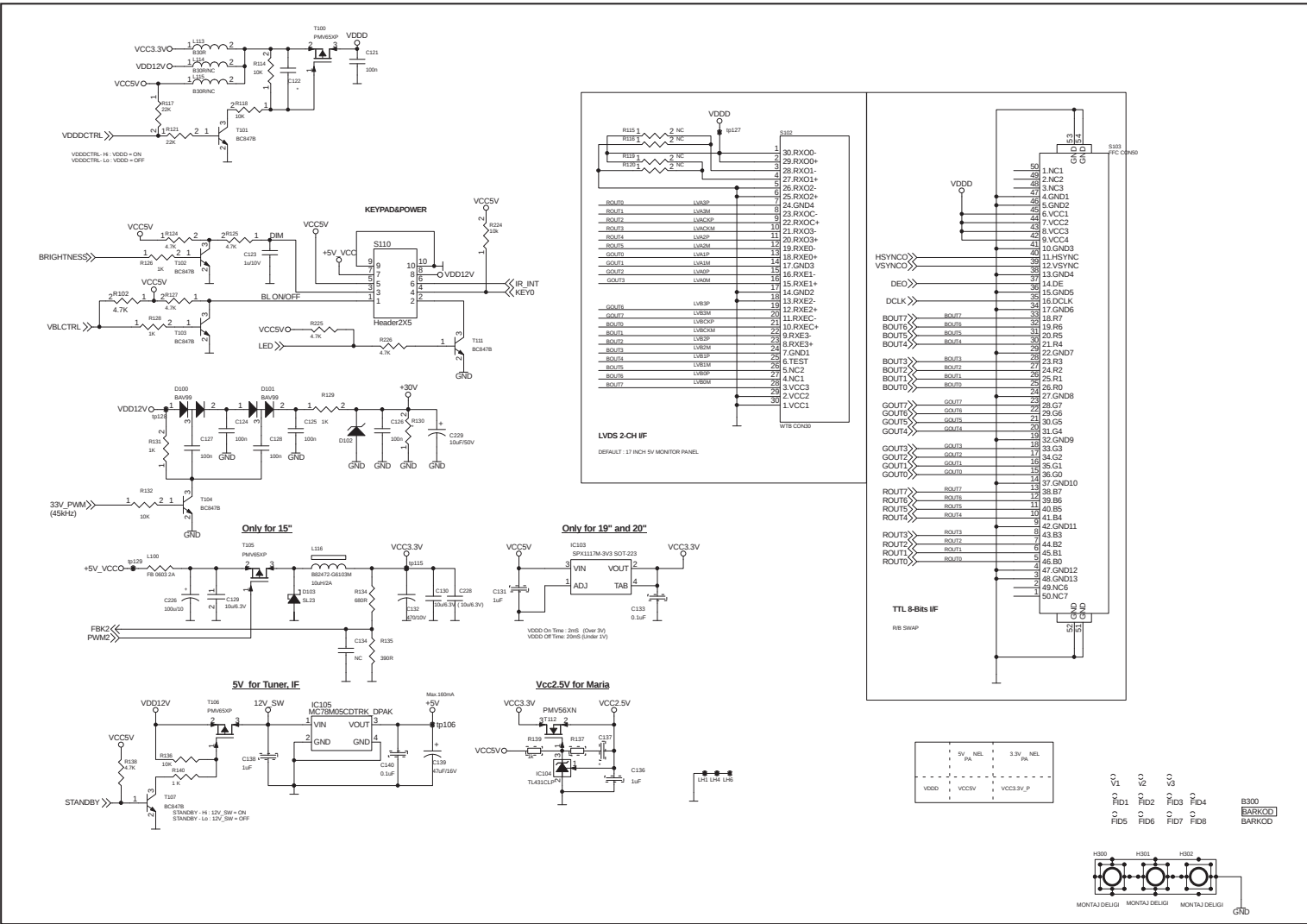


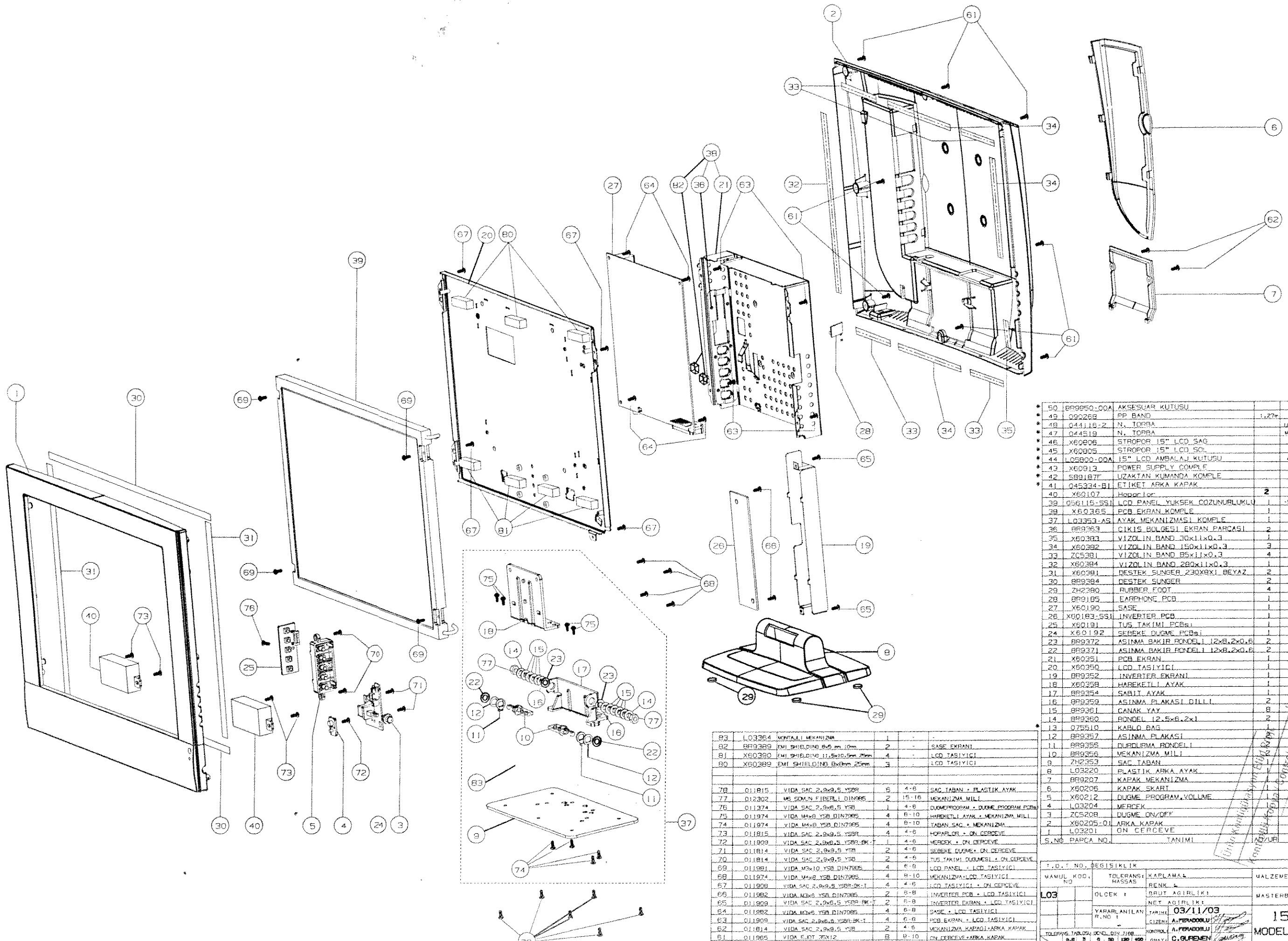
 Components designated by the safety symbol should only be replaced by original parts produced and proofed by the manufacturer.
Sicherheitsteile im Sinn der sicherheitsbestimmung. Diese Teile dürfen nur durch Originalteile ersetzt werden.
Contrassegno di sicurezza. I componenti devono, corrispondere a ricambi originali e devono essere montati a regola d'arte.

Note:
Inverter and panel are also designed by the safety symbol and should only be replaced by original parts produced and proofed by manufacturer.

Der Inverter und das Panel sind ebenfalls mit dem Sicherheitssymbol gekennzeichnet und sollten nur durch

l'invertitore e il pannello sono identificati anche dal simbolo di sicurezza e devono essere sostituiti solo con parti originali prodotte e verificate dal produttore.





* 50	BR9950-00A	AKSESUAR KUTUSU		
* 49	090268	PP. BAND	1,27	
* 18	044118-2	N. TOPRA		UZAKTAN KUMANDA (TOPRA)
* 47	044519	N. TOPRA		MAMUL TOPRA
* 46	X60806	STROPOR 15" LCD SAG		
* 45	X60805	STROPOR 15" LCD SOL		
* 44	LO5800-00A	15" LCD AMBALAJ KUTUSU	470x221x452	
* 43	X60913	POWER SUPPLY COMPLE		
* 42	SB9187F	UZAKTAN KUMANDA KOMPLE		
* 41	045334-B1	ETIKET ARKA KAPAK		
40	X60107	Hopac Lor		
39	056115-551	LCD PANEL YUKSEK COZUNURLUKLU	1	552 DUSUK COZUNURLUKLU
38	X60365	PCB EKRAN KOMPLE	1	
37	LO3353-AS	AYAK MEKANİZMASI KOMPLE	1	
36	BR9363	CIKIS BULGESI EKRAN PARÇASI	2	
35	X60383	VIZOLIN BAND 30x11x0.3	1	
34	X60382	VIZOLIN BAND 150x11x0.3	3	
33	ZC5381	VIZOLIN BAND 85x11x0.3	4	
32	X60384	VIZOLIN BAND 280x11x0.3	1	
31	X60381	DESTEK SUNGER 230X9X1 BEYAZ	2	
30	BR9384	DESTEK SUNGER	2	
29	ZH2380	RUBBER FOOT	4	
28	BR9185	EARPHONE PCB	1	
27	X60190	SASE	1	
26	X60183-551	INVERTER PCB	1	
25	X60181	TUS TAKIMI PCBs1	1	
24	X60192	SEBEKE DUGME PCBs1	1	
23	BR9372	ASINMA BAKIR RONDEL 12x8,2x0.6	2	
22	BR9371	ASINMA BAKIR RONDEL 12x8,2x0.6	2	
21	X60351	PCB EKRAN	1	
20	X60350	LCD TASIYICI	1	
19	BR9352	INVERTER EKRANI	1	
18	X60358	HAREKETLİ AYAK	1	
17	BR9354	SABIT AYAK	1	
16	BR9359	ASINMA PLAKASI DİLLİ	2	
15	BR9361	CANAK YAY	8	
14	BR9360	RONDEL 12,5x8,2x1	2	
13	Q75510	KABLO BAG	1	
12	BR9357	ASINMA PLAKASI	1	
11	BR9355	DURDURMA RONDELİ	2	
10	BR9356	MEKANİZMA MİLİ	2	
9	ZH2353	SAC TABAN	1	
8	LO3220	PLASTİK ARKA AYAK	1	AL
7	BR9207	KAPAK MEKANİZMA	1	ABS
6	X60206	KAPAK EKARTI	1	ABS
5	X60212	DUGME PROGRAM VOLUME	1	ABS
4	LO3204	MERCEK	1	PC
3	ZC5208	DUGME ON/OFF	1	ABS
2	X60205-01	ARKA KAPAK	1	ABS
1	LO3201	ON CERCEVE	1	ABS
S.NO PARÇA NO		TANIMI	QTY/UR	ACIKLAMA

83	LO3364	MONTAJLI MEKANİZMA	1		
82	BR9389	EMI SHIELDING 8x8 mm 10mm	2		SASE EKRANI
81	X60380	EMI SHIELDING 11,5x10,5mm 25mm	4		LCD TASIYICI
80	X60389	EMI SHIELDING 8x8mm 25mm	3		LCD TASIYICI
78	011815	VİDA SAC 2,9x9,5 YSR	6	4-6	SAC TABAN + PLASTİK AYAK
77	012302	M6 SOMUN FİREZLİ DİNGR65	2	15-16	MEKANİZMA MİLİ
76	011374	VİDA SAC 2,9x6,5 YSR	1	4-6	DURDURMA + DUGME PROGRAM PCBs1
75	011974	VİDA M4x8 YSR DİNGR65	4	8-10	HAREKETLİ AYAK + MEKANİZMA MİLİ
74	011974	VİDA M4x8 YSR DİNGR65	4	8-10	TABAN SAC + MEKANİZMA
73	011815	VİDA SAC 2,9x9,5 YSR	4	4-6	HOPAC LOR + ON CERCEVE
72	011909	VİDA SAC 2,9x6,5 YSR BK-T	1	4-6	MERCEK + ON CERCEVE
71	011814	VİDA SAC 2,9x9,5 YSR	2	4-6	SEBEKE DUGME + ON CERCEVE
70	011814	VİDA SAC 2,9x9,5 YSR	2	4-6	TUS TAKIMI DUGMESL + ON CERCEVE
69	011981	VİDA M4x10 YSR DİNGR65	4	8-10	LCD PANEL + LCD TASIYICI
68	011974	VİDA M4x8 YSR DİNGR65	4	8-10	MEKANİZMA + LCD TASIYICI
67	011909	VİDA SAC 2,9x9,5 YSR BK-T	4	4-6	LCD TASIYICI + ON CERCEVE
66	011982	VİDA M4x8 YSR DİNGR65	2	8-8	INVERTER PCB + LCD TASIYICI
65	011909	VİDA SAC 2,9x6,5 YSR BK-T	2	8-8	INVERTER EKRAN + LCD TASIYICI
64	011982	VİDA M4x8 YSR DİNGR65	4	8-8	SASE + LCD TASIYICI
63	011909	VİDA SAC 2,9x6,5 YSR BK-T	4	6-8	PCB EKRAN + LCD TASIYICI
62	011814	VİDA SAC 2,9x9,5 YSR	2	4-6	MEKANİZMA KAPAKI + ARKA KAPAK
61	011985	VİDA FLAT 35X12	8	8-10	ON CERCEVE + ARKA KAPAK

1. D. T. NO. BEGİSİKLİK

MAMUL KOD. NO: 103

TOLERANSI: MİLLİ

KAPLAMA: RENK + BRUT AĞIRLIĞI

HALZEVE: MASTERBATCH

YARARLANILAN R. NO: 1

TARİH: 03/11/03

İŞLENEN: A. F. YILDIZ

KONTROL: C. GÜREMEZ

15" LCD TV MODEL C Explode

BE033928R-2	JUMPER WIRE .60 BIG ROLL(SARKUYSAN)	26	1
BE033928R-2	JUMPER WIRE .60 BIG ROLL(SARKUYSAN)	26	1
BE033928R-2	JUMPER WIRE .60 BIG ROLL(SARKUYSAN)	26	1
BE038765R	CORD POWER CLASS2 LONGWE	7	1
BE038765R	CORD POWER CLASS2 LONGWE	7	1
BE038765R	CORD POWER CLASS2 LONGWE	7	1
BE044519	PEBAG15LCDTV	2	1
BE044519	PEBAG15LCDTV	2	1
BE044519	PEBAG15LCDTV	2	1
BE044783-03	PEBAG230*430*.06PRESSEDHOLE	1	1
BE044783-03	PEBAG230*430*.06PRESSEDHOLE	1	1
BE044783-03	PEBAG230*430*.06PRESSEDHOLE	1	1
BE045152-01	LABEL BAR CODE 90*40	1	1
BE045152-01	LABEL BAR CODE 90*40	1	1
BE045152-01	LABEL BAR CODE 90*40	1	1
BE045417	LABEL20*45CHASSIS	1	1
BE045417	LABEL20*45CHASSIS	1	1
BE045417	LABEL20*45CHASSIS	1	1
BE056L15-AU9	LCD AU OPTRONICS T150XG01 V.4 (15LCD)	0	1
BE056L15-BE2	LCD BOE-HYDIS HT150X02-100-52(SEC) 250CD	42	1
BE056L15-SV1	LCD SVA-NEC SVA150XG04TB (15 LCD)250CD	51	1
BE50S291	BRACKETLED	1	1
BE50S291	BRACKETLED	1	1
BE50S291	BRACKETLED	1	1
BE7RZ290-02	HOLDERIR IR RECEIVER TSOP 1838 8.35MM	1	1
BE7RZ290-02	HOLDERIR IR RECEIVER TSOP 1838 8.35MM	1	1
BE7RZ290-02	HOLDERIR IR RECEIVER TSOP 1838 8.35MM	1	1
BE885906R	BATTERY AAA 1.5V	1	1
BE885906R	BATTERY AAA 1.5V	1	1
BE885906R	BATTERY AAA 1.5V	1	1
BEETY801-01	INST.BEKO GLOBAL 3 LAN 15LWL03	1	1
BEETY801-01	INST.BEKO GLOBAL 3 LAN 15LWL03	1	1
BEETY801-01	INST.BEKO GLOBAL 3 LAN 15LWL03	1	1
BEETY802-01	INST.BEKO GLOBAL 3 LAN.15LWL03	1	1
BEETY802-01	INST.BEKO GLOBAL 3 LAN.15LWL03	1	1
BEETY802-01	INST.BEKO GLOBAL 3 LAN.15LWL03	1	1
BEETY803-01	INST.BEKO GLOBAL 3 LAN.15LWL03	1	1
BEETY803-01	INST.BEKO GLOBAL 3 LAN.15LWL03	1	1
BEETY803-01	INST.BEKO GLOBAL 3 LAN.15LWL03	1	1
BEETY804-01	INST.BEKO GLOBAL 3 LAN 15LWL03	1	1
BEETY804-01	INST.BEKO GLOBAL 3 LAN 15LWL03	1	1
BEETY804-01	INST.BEKO GLOBAL 3 LAN 15LWL03	1	1
BEETY805-01	INST. BEKO GLOBAL 3 LAN 15LWL03	1	1
BEETY805-01	INST. BEKO GLOBAL 3 LAN 15LWL03	1	1
BEETY805-01	INST. BEKO GLOBAL 3 LAN 15LWL03	1	1
BE03204F	LENSIR/LED15L03LCDTV	1	1
BE03204F	LENSIR/LED15L03LCDTV	1	1
BE03204F	LENSIR/LED15L03LCDTV	1	1
BE57V110	LW CHASSIS 15 PS/DK/MN/1S/AV/VGA SV1	23	1
BE57X110	LW CHASSIS 15 PS/DK/MN/1S/AV/VGA	23	1
BE57X140	SMPS BOARD 15 LW (PSU+TT+INV) WHITE LED	21	1
BE57X140	SMPS BOARD 15 LW (PSU+TT+INV) WHITE LED	21	1
BE57X142	LW-CH-SMPS BOARD 15LW(PSU+TT+INV)WHIT.LE	13	1
BE57X142	LW-CH-SMPS BOARD 15LW(PSU+TT+INV)WHIT.LE	13	1

BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE296118R	CC-CHIP 10UF K 6.3V /0805 X5R(SAMSUNG)	1	1
BE296118R	CC-CHIP 10UF K 6.3V /0805 X5R(SAMSUNG)	1	1
BE296118R	CC-CHIP 10UF K 6.3V /0805 X5R(SAMSUNG)	1	1
BE296118R	CC-CHIP 10UF K 6.3V /0805 X5R(SAMSUNG)	1	1
BE296118R	CC-CHIP 10UF K 6.3V /0805 X5R(SAMSUNG)	1	1
BE296118R	CC-CHIP 10UF K 6.3V /0805 X5R(SAMSUNG)	1	1
BE252464R	EC 470UF 10V M 11*8 R:5M	1	1
BE252464R	EC 470UF 10V M 11*8 R:5M	1	1
BE252464R	EC 470UF 10V M 11*8 R:5M	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE291476R	CC CHIP 470PF J 50V /0603 NPO T&R	7	1
BE291476R	CC CHIP 470PF J 50V /0603 NPO T&R	7	1
BE291476R	CC CHIP 470PF J 50V /0603 NPO T&R	7	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1

BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE291476R	CC CHIP 470PF J 50V /0603 NPO T&R	7	1
BE291476R	CC CHIP 470PF J 50V /0603 NPO T&R	7	1
BE291476R	CC CHIP 470PF J 50V /0603 NPO T&R	7	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE252225R	EC220UF25V11*8R:5	1	1
BE252225R	EC220UF25V11*8R:5	1	1
BE252225R	EC220UF25V11*8R:5	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE293334R	CC-CHIP33NFK50V/0603X7R	1	1

BE293334R	CC-CHIP33NFK50V/0603X7R	1	1
BE293334R	CC-CHIP33NFK50V/0603X7R	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE292153R	CC-CHIP1.5NFK50V/0603X7RTAPE	1	1
BE292153R	CC-CHIP1.5NFK50V/0603X7RTAPE	1	1
BE292153R	CC-CHIP1.5NFK50V/0603X7RTAPE	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294234R	CC-CHIP220NFK16V/0603X7R	1	1
BE294234R	CC-CHIP220NFK16V/0603X7R	1	1
BE294234R	CC-CHIP220NFK16V/0603X7R	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1

BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE291155R	CC-CHIP150PFJ50V/0603TAPE	1	1
BE291155R	CC-CHIP150PFJ50V/0603TAPE	1	1
BE291155R	CC-CHIP150PFJ50V/0603TAPE	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE291104R	CC-CHIP100PFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE294121R	CC CHIP 100NF J 50V /0603 NPO	10	1
BE252464R	EC 470UF 10V M 11*8 R:5M	1	1
BE252464R	EC 470UF 10V M 11*8 R:5M	1	1
BE252464R	EC 470UF 10V M 11*8 R:5M	1	1
BE251116R	EC10UF63V11*5R:5	1	1
BE251116R	EC10UF63V11*5R:5	1	1
BE251116R	EC10UF63V11*5R:5	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE290223R	CC-CHIP22PFJ50V/0603NPOTAPE	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1

BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE201226R	CC220PFK2KVY5PR:5	1	1
BE201226R	CC220PFK2KVY5PR:5	1	1
BE201226R	CC220PFK2KVY5PR:5	1	1
BE220125R	C-CE12PFJ3KV	1	1
BE220125R	C-CE12PFJ3KV	1	1
BE220125R	C-CE12PFJ3KV	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE294234R	CC-CHIP220NFK16V/0603X7R	1	1
BE294234R	CC-CHIP220NFK16V/0603X7R	1	1
BE294234R	CC-CHIP220NFK16V/0603X7R	1	1
BE220125R	C-CE12PFJ3KV	1	1
BE220125R	C-CE12PFJ3KV	1	1
BE220125R	C-CE12PFJ3KV	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE291226R	CC-CHIP220PFJ50V/0603NPOTAPE	1	1
BE291226R	CC-CHIP220PFJ50V/0603NPOTAPE	1	1
BE291226R	CC-CHIP220PFJ50V/0603NPOTAPE	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE293113R	CC CHIP 10NF K 50V /0603 X7R	1	1
BE292475R	CC-CHIP4.7NFK50V/0603X7R	1	1
BE292475R	CC-CHIP4.7NFK50V/0603X7R	1	1
BE292475R	CC-CHIP4.7NFK50V/0603X7R	1	1
BE292475R	CC-CHIP4.7NFK50V/0603X7R	1	1
BE292475R	CC-CHIP4.7NFK50V/0603X7R	1	1
BE292475R	CC-CHIP4.7NFK50V/0603X7R	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE292115R	CC-CHIP1NFJ50V/0603NPO	1	1
BE291123R	CC-CHIP120PFK50V/0805X7R	1	1
BE291123R	CC-CHIP120PFK50V/0805X7R	1	1
BE291123R	CC-CHIP120PFK50V/0805X7R	1	1
BE291123R	CC-CHIP120PFK50V/0805X7R	1	1
BE291123R	CC-CHIP120PFK50V/0805X7R	1	1
BE291123R	CC-CHIP120PFK50V/0805X7R	1	1
BE291123R	CC-CHIP120PFK50V/0805X7R	1	1
BE291123R	CC-CHIP120PFK50V/0805X7R	1	1
BE292228R	CC-CHIP2.2NFK50V/0603X7R	1	1
BE292228R	CC-CHIP2.2NFK50V/0603X7R	1	1
BE292228R	CC-CHIP2.2NFK50V/0603X7R	1	1
BE292228R	CC-CHIP2.2NFK50V/0603X7R	1	1
BE292228R	CC-CHIP2.2NFK50V/0603X7R	1	1
BE292228R	CC-CHIP2.2NFK50V/0603X7R	1	1
BE251105R	EC10UF16V5*3.5R:5	1	1

CC251105R	EC10UF16V5*3.5R:5	1	1
BE251105R	EC10UF16V5*3.5R:5	1	1
BE201227R	CC220PFM250VACR:10Y5UAH/NSA	2	1
BE201227R	CC220PFM250VACR:10Y5UAH/NSA	2	1
CC201227R	CC220PFM250VACR:10Y5UAH/NSA	2	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE252225R	EC220UF25V11*8R:5	1	1
BE252225R	EC220UF25V11*8R:5	1	1
BE252225R	EC220UF25V11*8R:5	1	1
BE202221R	C CE 2.2NF K 2KV Y5P R:7.5	1	1
BE202221R	C CE 2.2NF K 2KV Y5P R:7.5	1	1
CC202221R	C CE 2.2NF K 2KV Y5P R:7.5	1	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE253115R	EC1000UF16V20*10R:5	1	1
BE253115R	EC1000UF16V20*10R:5	1	1
BE253115R	EC1000UF16V20*10R:5	1	1
BE253106R	EC1000UF25V20*13R:5	2	1
BE253106R	EC1000UF25V20*13R:5	2	1
CC253106R	EC1000UF25V20*13R:5	2	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE253115R	EC1000UF16V20*10R:5	1	1
BE253115R	EC1000UF16V20*10R:5	1	1
BE253115R	EC1000UF16V20*10R:5	1	1
BE274238R	C-PEM 220NF K 275VAC R:15 CLASS-B 7*12,5	1	1
BE274238R	C-PEM 220NF K 275VAC R:15 CLASS-B 7*12,5	1	1
BE274238R	C-PEM 220NF K 275VAC R:15 CLASS-B 7*12,5	1	1
BE274119R	C-PEM100NFM275V-ACR:15CLASS-B	1	1
BE274119R	C-PEM100NFM275V-ACR:15CLASS-B	1	1
BE274119R	C-PEM100NFM275V-ACR:15CLASS-B	1	1
BE251226R	EC22UF25V11*5R:5	1	1
BE251226R	EC22UF25V11*5R:5	1	1
BE251226R	EC22UF25V11*5R:5	1	1
BE202220R	CC2.2NFM250VACY5UR:10AH/NSA	1	1
BE202220R	CC2.2NFM250VACY5UR:10AH/NSA	1	1
BE202220R	CC2.2NFM250VACY5UR:10AH/NSA	1	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE294122R	CC-CHIP100NFK50V/0603X7R	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE293478R	CC-CHIP47NFK25V/0603X7RTAPE	1	1
BE201227R	CC220PFM250VACR:10Y5UAH/NSA	2	1
BE201227R	CC220PFM250VACR:10Y5UAH/NSA	2	1
BE201227R	CC220PFM250VACR:10Y5UAH/NSA	2	1
BE292114R	CC-CHIP1NFK50V/0603X7R	1	1
BE292114R	CC-CHIP1NFK50V/0603X7R	1	1
BE292114R	CC-CHIP1NFK50V/0603X7R	1	1
BE273228R	C-PPM 22NF J 1KV R:15	2	1

BE452662R-2	IC CHIP AT24C16AN 10SU2.7 TAPE&REEL	3	1
BE452662R-2	IC CHIP AT24C16AN 10SU2.7 TAPE&REEL	3	1
BE453796R	IC-CHIP EN25F40-100GCPT/R 4M FL.SOP8 T&R	5	1
BE453796R	IC-CHIP EN25F40-100GCPT/R 4M FL.SOP8 T&R	5	1
BE453796R	IC-CHIP EN25F40-100GCPT/R 4M FL.SOP8 T&R	5	1
BE451885R-1	ICTL431CLPRAG	1	1
BE451885R-1	ICTL431CLPRAG	1	1
BE451885R-1	ICTL431CLPRAG	1	1
BE452669R	IC-CHIP MC78M05CDTRKG TO252 T&R	3	1
BE452669R	IC-CHIP MC78M05CDTRKG TO252 T&R	3	1
BE452669R	IC-CHIP MC78M05CDTRKG TO252 T&R	3	1
BE453261R	IC-CHIP24LC21A-ITSNG-CMOS18K/2.5VSET&R	5	1
BE453261R	IC-CHIP24LC21A-ITSNG-CMOS18K/2.5VSET&R	5	1
BE453261R	IC-CHIP24LC21A-ITSNG-CMOS18K/2.5VSET&R	5	1
BE452597R	IC-CHIP TDA7056AT T&R	9	1
BE452597R	IC-CHIP TDA7056AT T&R	9	1
BE452597R	IC-CHIP TDA7056AT T&R	9	1
BE453535R	IC-CHIP 74HC4052D SO16.	2	1
BE453535R	IC-CHIP 74HC4052D SO16.	2	1
BE453535R	IC-CHIP 74HC4052D SO16.	2	1
BE453956R	IC-CHIP TDA9885TS/V3 SSOP24 T&R	12	1
BE453956R	IC-CHIP TDA9885TS/V3 SSOP24 T&R	12	1
BE453956R	IC-CHIP TDA9885TS/V3 SSOP24 T&R	12	1
BE453957R	IC-CHIP FSCM0465RJX D2PAC-6L T&R	1	1
BE453957R	IC-CHIP FSCM0465RJX D2PAC-6L T&R	1	1
BE453957R	IC-CHIP FSCM0465RJX D2PAC-6L T&R	1	1
BE452297R-2	IC OPTOCOUPLER TCET1100/V310U27 PH601	1	1
BE452297R-2	IC OPTOCOUPLER TCET1100/V310U27 PH601	1	1
BE452297R-2	IC OPTOCOUPLER TCET1100/V310U27 PH601	1	1
BE451885R-1	ICTL431CLPRAG	1	1
BE451885R-1	ICTL431CLPRAG	1	1
BE451885R-1	ICTL431CLPRAG	1	1
BE453958R	IC-CHIP FAN7314MX SOIC20 T&R	9	1
BE453958R	IC-CHIP FAN7314MX SOIC20 T&R	9	1
BE453958R	IC-CHIP FAN7314MX SOIC20 T&R	9	1
BE8R9382	CUSHIONMECH.COVERLCDTV17	1	1
BE8R9382	CUSHIONMECH.COVERLCDTV17	1	1
BE8R9382	CUSHIONMECH.COVERLCDTV17	1	1
BE8R9383	CUSHION17LCDTV	1	1
BE8R9383	CUSHION17LCDTV	1	1
BE8R9383	CUSHION17LCDTV	1	1
BE453891R	IRRECEIVERTSOP38238TVISHAY	3	1
BE453891R	IRRECEIVERTSOP38238TVISHAY	3	1
BE453891R	IRRECEIVERTSOP38238TVISHAY	3	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE053516R	COIL22UHRADIAL	1	1
BE053516R	COIL22UHRADIAL	1	1
BE053516R	COIL22UHRADIAL	1	1
BE053516R	COIL22UHRADIAL	1	1

BE170333R	RC-CHIP33RJ1/16W/0603TAPE	1	1
BE170333R	RC-CHIP33RJ1/16W/0603TAPE	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173229R	RC CHIP 22K J 1/16W /0603	1	1
BE173229R	RC CHIP 22K J 1/16W /0603	1	1
BE173229R	RC CHIP 22K J 1/16W /0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173229R	RC CHIP 22K J 1/16W /0603	1	1
BE173229R	RC CHIP 22K J 1/16W /0603	1	1
BE173229R	RC CHIP 22K J 1/16W /0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE171472R	RC-CHIP470RJ1/16W/0603TAPE	1	1
BE171472R	RC-CHIP470RJ1/16W/0603TAPE	1	1
BE171472R	RC-CHIP470RJ1/16W/0603TAPE	1	1
BE171108R	RC CHIP 100R J 1/10W /0603	1	1
BE171108R	RC CHIP 100R J 1/10W /0603	1	1
BE171108R	RC CHIP 100R J 1/10W /0603	1	1
BE170105R	RC-CHIP10RJ1/16W/0603	1	1
BE170105R	RC-CHIP10RJ1/16W/0603	1	1
BE170105R	RC-CHIP10RJ1/16W/0603	1	1
BE171683R	RC-CHIP 680R J 1/16W /06	1	1
BE171683R	RC-CHIP 680R J 1/16W /06	1	1
BE171683R	RC-CHIP 680R J 1/16W /06	1	1
BE171395R	RC-CHIP390RJ1/16W/0603TAPE	1	1
BE171395R	RC-CHIP390RJ1/16W/0603TAPE	1	1
BE171395R	RC-CHIP390RJ1/16W/0603TAPE	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1

BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE172276R	RC-CHIP2.7KJ1/16W/0603	1	1
BE172276R	RC-CHIP2.7KJ1/16W/0603	1	1
BE172276R	RC-CHIP2.7KJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1

BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE172154R	RC-CHIP1.5KJ1/16W/0603TAPE	1	1
BE172154R	RC-CHIP1.5KJ1/16W/0603TAPE	1	1
BE172154R	RC-CHIP1.5KJ1/16W/0603TAPE	1	1
BE171472R	RC-CHIP470RJ1/16W/0603TAPE	1	1
BE171472R	RC-CHIP470RJ1/16W/0603TAPE	1	1
BE171472R	RC-CHIP470RJ1/16W/0603TAPE	1	1
BE172154R	RC-CHIP1.5KJ1/16W/0603TAPE	1	1
BE172154R	RC-CHIP1.5KJ1/16W/0603TAPE	1	1
BE172154R	RC-CHIP1.5KJ1/16W/0603TAPE	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE172182R	RC-CHIP1.8KJ1/16W/0603	1	1
BE172182R	RC-CHIP1.8KJ1/16W/0603	1	1
BE172182R	RC-CHIP1.8KJ1/16W/0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE173478R	RC CHIP 47K J 1/16W /0603 TAPE	1	1
BE173478R	RC CHIP 47K J 1/16W /0603 TAPE	1	1
BE173478R	RC CHIP 47K J 1/16W /0603 TAPE	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE172182R	RC-CHIP1.8KJ1/16W/0603	1	1
BE172182R	RC-CHIP1.8KJ1/16W/0603	1	1
BE172182R	RC-CHIP1.8KJ1/16W/0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1

BE173100R	RC-CHIP10KJ1/10W/0603	1	1
RF173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
RF173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
RF172104R	RC-CHIP1KJ1/16W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
RF173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE172182R	RC-CHIP1.8KJ1/16W/0603	1	1
RF172182R	RC-CHIP1.8KJ1/16W/0603	1	1
BE172182R	RC-CHIP1.8KJ1/16W/0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
RF173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173229R	RC CHIP 22K J 1/16W /0603	1	1
RF173229R	RC CHIP 22K J 1/16W /0603	1	1
BE173229R	RC CHIP 22K J 1/16W /0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
RF173124R	RC-CHIP12KJ1/16W/0603TAPE	1	1
BE173124R	RC-CHIP12KJ1/16W/0603TAPE	1	1
BE173124R	RC-CHIP12KJ1/16W/0603TAPE	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
RF172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE173114R	RC CHIP 100K J 1/16W /0603	1	1
BE173114R	RC CHIP 100K J 1/16W /0603	1	1
RF173114R	RC CHIP 100K J 1/16W /0603	1	1
RF172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE171336R	RC-CHIP330RJ1/16W/0603TAPE	1	1
RF171336R	RC-CHIP330RJ1/16W/0603TAPE	1	1
BE171336R	RC-CHIP330RJ1/16W/0603TAPE	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
RF171107R	RC-CHIP100RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1

BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE172224R	RC-CHIP2.2KJ1/16W/0603TAPE	1	1
BE172224R	RC-CHIP2.2KJ1/16W/0603TAPE	1	1
BE172224R	RC-CHIP2.2KJ1/16W/0603TAPE	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE290475R	CC-CHIP47PFJ50V/0603NPOTAPE	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE170754R	RC-CHIP75RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE172224R	RC-CHIP2.2KJ1/16W/0603TAPE	1	1
BE172224R	RC-CHIP2.2KJ1/16W/0603TAPE	1	1
BE172224R	RC-CHIP2.2KJ1/16W/0603TAPE	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE171107R	RC-CHIP100RJ1/16W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE172473R	RC CHIP 4.7K J 1/10W /0603	1	1
BE173822R	RC-CHIP82KJ1/16W/0603TAPE	1	1
BE173822R	RC-CHIP82KJ1/16W/0603TAPE	1	1
BE173822R	RC-CHIP82KJ1/16W/0603TAPE	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1

BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173563R	RC-CHIP56KJ1/16W/0603	1	1
BE173563R	RC-CHIP56KJ1/16W/0603	1	1
BE173563R	RC-CHIP56KJ1/16W/0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE173277R	RC CHIP 27K J 1/16W /0603 TAPE	1	1
BE173277R	RC CHIP 27K J 1/16W /0603 TAPE	1	1
BE173277R	RC CHIP 27K J 1/16W /0603 TAPE	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE172104R	RC-CHIP1KJ1/16W/0603	1	1
BE173277R	RC CHIP 27K J 1/16W /0603 TAPE	1	1
BE173277R	RC CHIP 27K J 1/16W /0603 TAPE	1	1
BE173277R	RC CHIP 27K J 1/16W /0603 TAPE	1	1
BE173114R	RC CHIP 100K J 1/16W /0603	1	1
BE173114R	RC CHIP 100K J 1/16W /0603	1	1
BE173114R	RC CHIP 100K J 1/16W /0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE172751R	RC-CHIP7.5KJ1/16W/0603	1	1
BE173114R	RC CHIP 100K J 1/16W /0603	1	1
BE173114R	RC CHIP 100K J 1/16W /0603	1	1
BE173114R	RC CHIP 100K J 1/16W /0603	1	1
BE104332R	CFR330KJ1/4W/652MM	1	1
BE104332R	CFR330KJ1/4W/652MM	1	1
BE104332R	CFR330KJ1/4W/652MM	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1

BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE171154R	RC-CHIP 150R J 1/16W /0603	1	1
BE113684R	RMO 68K J 2W 73MM	1	1
BE113684R	RMO 68K J 2W 73MM	1	1
BE113684R	RMO 68K J 2W 73MM	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE173100R	RC-CHIP10KJ1/10W/0603	1	1
BE100153R	CFR15RJ1/4W52MM	1	1
BE100153R	CFR15RJ1/4W52MM	1	1
BE100153R	CFR15RJ1/4W52MM	1	1
BE172338R	RC-CHIP3.3KJ1/10W/0603	1	1
BE172338R	RC-CHIP3.3KJ1/10W/0603	1	1
BE172338R	RC-CHIP3.3KJ1/10W/0603	1	1
BE172336R	RC-CHIP3.3KJ1/16W/0603	1	1
BE172336R	RC-CHIP3.3KJ1/16W/0603	1	1
BE172336R	RC-CHIP3.3KJ1/16W/0603	1	1
BE172336R	RC-CHIP3.3KJ1/16W/0603	1	1
BE172336R	RC-CHIP3.3KJ1/16W/0603	1	1
BE172336R	RC-CHIP3.3KJ1/16W/0603	1	1
BE173277R	RC CHIP 27K J 1/16W /0603 TAPE	1	1
BE173277R	RC CHIP 27K J 1/16W /0603 TAPE	1	1
BE173277R	RC CHIP 27K J 1/16W /0603 TAPE	1	1
BE173124R	RC-CHIP12KJ1/16W/0603TAPE	1	1
BE173124R	RC-CHIP12KJ1/16W/0603TAPE	1	1
BE173124R	RC-CHIP12KJ1/16W/0603TAPE	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE173228R	RC CHIP 22K J 1/10W /0603	1	1
BE173228R	RC CHIP 22K J 1/10W /0603	1	1
BE173228R	RC CHIP 22K J 1/10W /0603	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE179001R	RC CHIP 0R /0805 2*1.25	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE179008R	RC-CHIP0RJ1/16W0603	1	1
BE174181R	RC-CHIP180KJ1/8W/1206	1	1
BE174181R	RC-CHIP180KJ1/8W/1206	1	1
BE174181R	RC-CHIP180KJ1/8W/1206	1	1
BE120118R	RMF 10R 1/4W	3	1
BE120118R	RMF 10R 1/4W	3	1
BE120118R	RMF 10R 1/4W	3	1
BE100220R	CFR22RJ1/2W52MM	1	1
BE100220R	CFR22RJ1/2W52MM	1	1
BE100220R	CFR22RJ1/2W52MM	1	1

CF000220R	CFR22RJ1/2W52MM	1	1
BF000220R	CFR22RJ1/2W52MM	1	1
BE000220R	CFR22RJ1/2W52MM	1	1
BE174181R	RC-CHIP180KJ1/8W/1206	1	1
CF174181R	RC-CHIP180KJ1/8W/1206	1	1
BF174181R	RC-CHIP180KJ1/8W/1206	1	1
BE174181R	RC-CHIP180KJ1/8W/1206	1	1
BE174181R	RC-CHIP180KJ1/8W/1206	1	1
BE174181R	RC-CHIP180KJ1/8W/1206	1	1
BF190471R	R-ARRAY-CHIP47R*4/YC16	1	1
BF190471R	R-ARRAY-CHIP47R*4/YC16	1	1
BE190471R	R-ARRAY-CHIP47R*4/YC16	1	1
BE190471R	R-ARRAY-CHIP47R*4/YC16	1	1
CF190471R	R-ARRAY-CHIP47R*4/YC16	1	1
BF190471R	R-ARRAY-CHIP47R*4/YC16	1	1
BE190471R	R-ARRAY-CHIP47R*4/YC16	1	1
BE190471R	R-ARRAY-CHIP47R*4/YC16	1	1
BE190471R	R-ARRAY-CHIP47R*4/YC16	1	1
BF031165R	KONN.CINCH.....YELLOWHOR.14.1	1	1
BE031165R	KONN.CINCH.....YELLOWHOR.14.1	1	1
BE031165R	KONN.CINCH.....YELLOWHOR.14.1	1	1
BE032456R	KON.FEMALELVDS2X15PIN1MMMOLEX	7	1
CF032456R	KON.FEMALELVDS2X15PIN1MMMOLEX	7	1
BF032456R	KON.FEMALELVDS2X15PIN1MMMOLEX	7	1
BE031251R	SCART SOCKET 14.1	3	1
BE031251R	SCART SOCKET 14.1	3	1
CF031251R	SCART SOCKET 14.1	3	1
BF031358R	CONN. VGA B10B	3	1
BE031358R	CONN. VGA B10B	3	1
BE031358R	CONN. VGA B10B	3	1
BE031245R	CONN.HOUS.2P2317-2SJSTB2B-XH-AWHITE	1	1
BF031245R	CONN.HOUS.2P2317-2SJSTB2B-XH-AWHITE	1	1
BE031245R	CONN.HOUS.2P2317-2SJSTB2B-XH-AWHITE	1	1
BE031163R	KONN.CINCH.....WHITEHOR.14.1	1	1
BE031163R	KONN.CINCH.....WHITEHOR.14.1	1	1
CF031163R	KONN.CINCH.....WHITEHOR.14.1	1	1
BE031164R	KONN.CINCH.....REDHOR.14.1	1	1
BE031164R	KONN.CINCH.....REDHOR.14.1	1	1
BE031164R	KONN.CINCH.....REDHOR.14.1	1	1
CF031460R	HEADPHONEJACK.	2	1
BF031460R	HEADPHONEJACK.	2	1
BE031460R	HEADPHONEJACK.	2	1
BE011909R	SCREW M2.9*6.5 YSBR-BK	1	1
CF011909R	SCREW M2.9*6.5 YSBR-BK	1	1
BF011909R	SCREW M2.9*6.5 YSBR-BK	1	1
BF011909R	SCREW M2.9*6.5 YSBR-BK	1	1
CF011909R	SCREW M2.9*6.5 YSBR-BK	1	1
BF011909R	SCREW M2.9*6.5 YSBR-BK	1	1
BF010860R	TACTSWLONGSTEN	1	1
CF010860R	TACTSWLONGSTEN	1	1
BF010860R	TACTSWLONGSTEN	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1

BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401472R	TRN-CHIP2N7002N-CHANNELSOT23	1	1
BE401472R	TRN-CHIP2N7002N-CHANNELSOT23	1	1
BE401472R	TRN-CHIP2N7002N-CHANNELSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401142R	TRN-CHIPBC858BLT1GSOT23	1	1
BE401142R	TRN-CHIPBC858BLT1GSOT23	1	1
BE401142R	TRN-CHIPBC858BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE401141R	TRN-CHIPBC848BLT1GSOT23	1	1
BE050203R	SMT JEWEL BCK0280904 ULC 12V/5V	8	1
BE050203R	SMT JEWEL BCK0280904 ULC 12V/5V	8	1
BE050203R	SMT JEWEL BCK0280904 ULC 12V/5V	8	1
BE050262R	SMT INVERTER 19W HVT-108	7	1
BE050262R	SMT INVERTER 19W HVT-108	7	1
BE050262R	SMT INVERTER 19W HVT-108	7	1
BEXKU136RPS2	TUNER ENV57K23G3RF LEFTHAND (CHINA)	11	1
BEXKU136RPS2	TUNER ENV57K23G3RF LEFTHAND (CHINA)	11	1
BEXKU136RPS2	TUNER ENV57K23G3RF LEFTHAND (CHINA)	11	1
BE8R9383	CUSHION17LCDTV	1	1
BE8R9383	CUSHION17LCDTV	1	1
BE8R9383	CUSHION17LCDTV	1	1
BE056541R	CRYSTALCHIP 4MHZ SMXA120E HC49/4H C-MAC	3	1
BE056541R	CRYSTALCHIP 4MHZ SMXA120E HC49/4H C-MAC	3	1
BE056541R	CRYSTALCHIP 4MHZ SMXA120E HC49/4H C-MAC	3	1
BEX53911	3M 1170 ALUMINYUM FOLYO (3,5 CM)	1	1
BEX53911	3M 1170 ALUMINYUM FOLYO (3,5 CM)	1	1