

Service
Service
ServiceCG3S50/91
CG3S50/92

Service Information

Horizontal frequencies
30 - 80 KHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING.

REFER TO BACK COVER FOR IMPORTANT SAFETY GUIDELINES



TH-P15A
GENERAL PRODUCT
SPECIFICATION

- . ANALOG SIGNAL INPUT
- . AUTO PICTURE ADJUSTMENT
- . 15 FACTORY PRESET MODES AND 18 USER MODES WHICH CAN BE RECOVERED TO PRESET MODES
- . USER FRIENDLY OSD DISPLAY FOR MODE IDENTIFICATION /ADJUSTMENT
- . DDC2B COMMUNICATION CAPABILITY
- . MAX. RESOLUTION 1280 x 1024 NON-INTERLACED AT 75 HZ
- . 17" COLOR TFT LCD FLAT PANEL
- . EASY TILT & FODABLE BASE
- . FULL RANGE POWER SUPPLY 90 - 264 VAC
- . CCC ENVIRONMENTAL POLICY
- . ANTI-GLARE TO REDUCE LIGHT REFLECTION
- . POWER MANAGEMENT CAPABILITY
- . SOG SYNC SUPPORT

CLASS NO.

17 inch LCD Monitor
TYPE : CG3S50/91
BRAND : THUNIS

8639 000 16032

2004-11-01

NAME Raul Zeng

SUPERS.

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5.0	Mechanical characteristics
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8.1	Acceptance test
9.0	Serviceability
1.0	FOREWORD
	This specification describes a 17" XGA multi-scan color TFT LCD monitor with maximum resolution up to 1280x1024/60Hz non-interlaced.
2.0	PRODUCT PROFILE
	Analog interface
	Integrated tilt and foldable base
2.1	LCD
2.1.1	LPL Panel General Features

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**General Features**

Active screen size	17.0 inch (43.27cm) diagonal
Outline Dimension	358.5(H) x 296.5(V) x 17.0(D) mm(Typ.)
Pixel Pitch	0.264 mm x 0.264 mm
Pixel Format	1280 horiz. by 1024 vert. Pixels. RGB stripe arrangement
Display Colors	16.2M colors
Luminance, white	250 cd/m ² (Typ. Center 1 point)
Power Consumption	19.15 Watts(Typ.)
Weight	1890g (Typ.)
Display operating mode	Transmissive mode, normally white
Surface treatments	Hard coating (3H), Anti-glare treatment of the front polarizer

2.1.2 CPT Panel General Features

ITEM	SPECIFICATION
Display Area(mm)	337.920 (H) X 270.336 (V) (17.0 inch diagonal)
Number of Pixels	1280(H) X 1024(V)
Pixel Pitch(mm)	0.264(H) X 0.264(V)
Color Pixel Arrangement	RGB vertical strip
Display Mode	Normally White, TN
Display Colors	16.2M (6bits/color + FRC)
Brightness (cd/m ²)	300cd/m ² (Typ.)(Center point, Lamp current=7.0 mA)
Viewing Angle	140/130(Typ.)
Surface Treatment	Anti-glare
Electrical Interface	LVDS, 2Ch
Total Module Power(W)	20.0 (Typ.)
Optimum Viewing Angle	6 o' clock
Module Size(mm)	358.5(W)x296.5(H)x17.5(D)
Module Werght(g)	2000(Typ.)
Backlight Unit	CCFL, 4 tables, edge-light(top*2/bottom*2)

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2.2	Scanning frequencies	Hor.: 30 - 80KHz Ver.: 50 - 76 Hz
2.3	Video dot rate	: 135 MHz
2.4	Power input	: 90 - 264 Vac, 50/60 ± 3 Hz
2.5	Power consumption	: < 27 W typ. : AC input power < 2W when DC switch is off. (at 220 VAC)
2.6	Dimensions	: W 375mm x H 382 mm x D 180mm (Incl. Foldable base)
2.7	Weight	: 4.2Kg
2.8	Function: Signal input:	Analog R/G/B separate inputs, H/V sync separated, Composite (H+V) TTL level, SOG sync
2.9	Ambient temperature	: 0 - 45 °C
2.10	Safety and EMI requirements	
	Safety requirement:	CCC
	EMI requirement:	CCC
	Ergonomic Requirement:	---
3.0	Electrical characteristics	
	Compatibility:	PC2001, Windows 2000, Windows98/Me, Windows XP, NSTL
3.1	Interface signals	
3.1.1	Video	
	Input signal	: Video, H-sync, V-sync
	Video	: 0.7 Vp-p, input impedance, 75 ohm
	Sync.	: Separate sync TTL level. Input impedance 5k6 ohm
	Hor. Sync	Positive/Negative
	Ver. Sync	Positive/Negative

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3.1.2 Interface Cable

D-Sub Cable pin assignment:

PIN No.	SIGNAL
1	Red
2	Green/SOG
3	Blue
4	Sense (GND)
5	Test (GND)
6	Red GND
7	Green GND
8	Blue GND
9	NC
10	Sync GND
11	Sense (GND)
12	Serial data (SDA)
13	H/H+V sync
14	V-sync
15	Data clock (SCL)

3.2 OSD (On Screen Display) function

Adjustable functions:

MAIN CONTROLS
LANGUAGE
ADJUST POSITION
BRIGHTNESS & CONTRAST
VIDEO NOISE
ADJUST COLOR
OSD SETTINGS
PRODUCT INFORMATION
RESET TO FACTORY SETTINGS
INPUT SELECTION
EXIT MAIN CONTROLS
MOVE SELECTION THEN ok

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LANGUAGE: ENGLISH, ESPANOL, FRANCAIS,
DEUTSCH, ITALIANO, DUTCH, 中语

ADJUST POSITION: HORIZONTAL
VERTICAL

BRIGHTNESS & CONTRAST: Brightness and Contrast adjustment.

VIDEO NOISE: Phase adjustment and Clock adjustment

ADJUST COLOR: Original panel color,
9300K for CAD\CAM,
6500k for image management,
User red green blue adjustable

OSD POSITION: OSD H-position, OSD V-position

PRODUCT INFORMATION: show the product information

RESET TO FACTORY SETTING: recall to Factory preset settings.

3.3 Timing requirement

3.3.1 Mode storing capacity

- (1) Factory preset modes : 11
(2) User modes : 18

3.3.2 Factory preset timings

Table #	Resolution	H-Freq (KHz)	Pixel rate (MHz)	V-Freq (Hz)	Comment
1	640x480	31.469	25.175	59.940	IBM VGA 12H
2	720x400	31.469	28.322	70.087	IBM VGA 3H
3	640x480	37.861	31.500	72.809	VESA
4	640x480	37.500	31.500	75.000	VESA
5	800x600	37.879	40.000	60.317	VESA
6	800x600	46.875	49.500	75.000	VESA
7	1024x768	48.363	65.000	60.004	XGA
8	1024x768	56.476	75.000	70.069	VESA
9	1024x768	60.023	78.750	75.029	VESA
10	1280x1024	63.981	108.000	60.020	SXGA
11	1280x1024	79.976	135.000	75.025	VESA

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3.3.3 Horizontal scanning

Sync polarity : Positive or Negative
Scanning frequency : 30 - 80 KHz

3.3.4 Vertical scanning

Sync polarity : Positive or Negative
Scanning frequency : 50 - 76 Hz

3.4 Power management

The power consumption and the status indication of the set with power management function are as follows,

<u>STATUS</u>	<u>Horizontal</u>	<u>Vertical</u>	<u>Power Spec</u>	<u>LED</u>
On	Pulse	Pulse	as normal on	Green
Off	No Pulse	No Pulse	< 2 W	Amber

3.5 Display identification

In accordance with DVI requirement, use DDC2B and EDID 3.0 structure 1.3.

4.0 Visual characteristics

4.1 Test conditions

Unless otherwise specified, this specification is defined under the following conditions.

(1) Input signal : As defined in 3.3, 1280 x 1024/60Hz mode (63.981KHz)
Signal sources must have 75 ohms output impedance.

(2) Luminance setting: Set contrast to 50 % and brightness to 100 % with full white pattern.

(3) Warm-up: more than 30 minutes after power on with signal supplied.

(4) Ambient light: 400 -- 600 lux.

(5) Ambient temperature: 25 ± 5 °C

4.2 Brightness: 250 nits (typ.) at maximum contrast and maximum brightness
(At center of the screen, Fig. 1)

4.3 Image size

4.3.1 Actual display size

338.5 x 271.8 mm

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4.4 Brightness uniformity

Set contrast at 50% and turn the brightness to get above 200 nits.
at center of the screen

Apply the Fig 1; it should comply with the following formula:

$$\frac{\text{Minimum (B1, B2,..., B9)}}{\text{Maximum (B1, B2,..., B9)}} > 75 \%$$

4.5 White color adjustment

There are two factory preset white color 9300K and 6500K.

Apply full white pattern, with brightness in 100 % position
and the contrast control at 50 %.

The 1931 CIE Chromaticity (color triangle) diagram (x, y)
coordinate for the screen center should be:

9300K CIE coordinates $X = 0.283 \pm 0.020$
 $Y = 0.297 \pm 0.020$

6500K CIE coordinates $X = 0.313 \pm 0.020$
 $Y = 0.329 \pm 0.020$

5.0 Mechanical characteristics

5.1 Controls

Front: - DC power switch
 - OSD function key
 - Auto key

5.2 Unit dimension / Weight

Set dimension (incl. pedestal): W 375mm x H 382 mm x D 180mm

Net weight: 4.2 Kg

5.3 Tilt and foldable base

Tilt angle: -5 ° to + 25 °

Foldable angle: 90°

5.4 Transportation packages

5.4.1 Shipping dimension/Weight

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Carton dimension: 540W x 490H x 240D

Gross weight: 5.7Kg

5.4.2 Block unit / Palletization

	<u>Layers/block</u>	<u>sets/layer</u>	<u>sets/block unit</u>
	9	4	36
40' container :	36X24	=864 sets/container	
5T truck :	36X14	=504 sets/container	

6.0 Environmental characteristics

The following sections define the interference and susceptibility condition limits that might occur between external environment and the display device.

6.1 Susceptibility of display to external environment

Operating

- Temperature : 0 to 45 degree C
- Humidity : 10% ~ 80% RH
- Altitude : 0-10,000 feet
- Air pressure : 600-1100 mBAR

Storage

- Temperature : -20 to 60 degree C
- Humidity : 10% ~ 90% RH (< 40°C)
- Altitude : 0-30,000 feet
- Air pressure : 300-1100 mBAR

Note: recommend at 5 to 35°C, Humidity less than 60 %

6.2 Transportation tests

Standard		THUNIS
Normal drop test	Height	91.4 cm
	Sequence	1 corner ,3 edges, 6 faces
	Test Result	Electrical function ok Mechanical function ok No serious damage on set appearance
Cold drop test (For ref.)	Height	91.4 cm
	Sequence	1 corner ,3 edges, 6 faces(-10deg C x 16 hrs)
	Test result	Electrical function ok Mechanical function ok No serious damage on set appearance (Room temp -10°C, humidity 70 %)
Vibration Test	Sequence	5~200Hz, 1.05g, 30min. for Each axis (X, Y, Z)
	Test Result	Electrical function ok Mechanical function ok No serious damage on set appearance

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17 inch LCD Monitor

TYPE :CG3S50/91

BRAND :THUNIS

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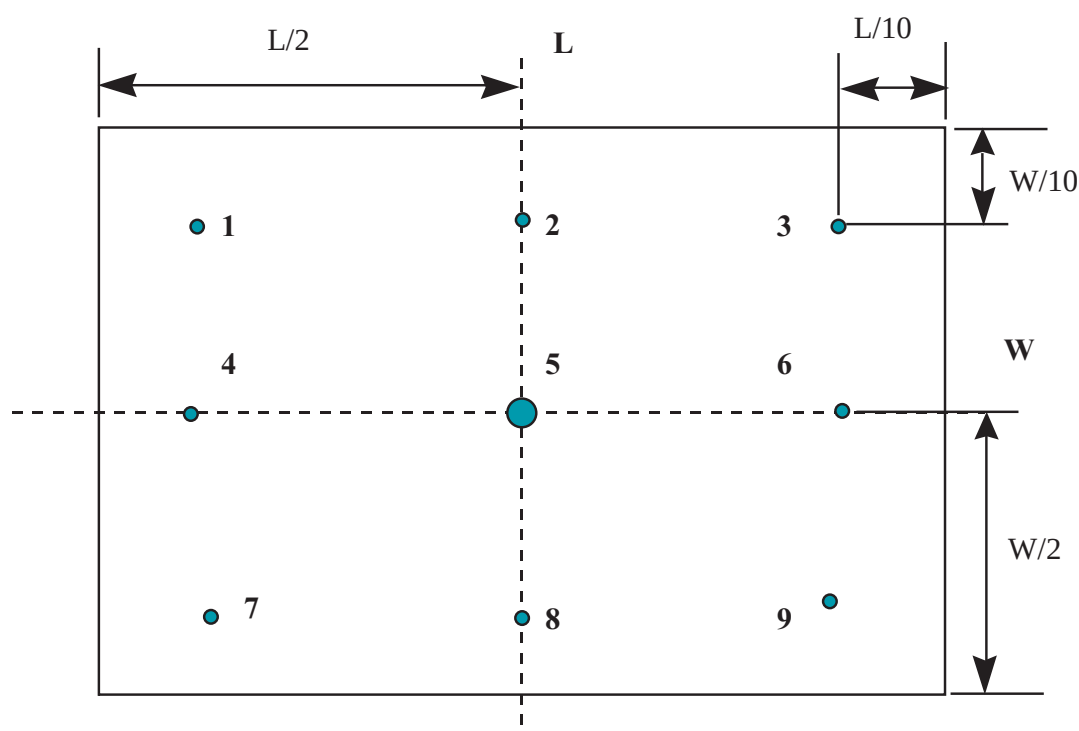
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- 6.3 Display disturbances from external environment According to IEC 801-2 for ESD disturbances
- 6.4 Display disturbances to external environment
- 6.4.1 EMI
EMI: CCC
- 7.0 Reliability
- 7.1 Mean time between failures (MTBF) System MTBF (Excluding the LCD panel and CCFL):
50,000 hrs CCFL MTBF: 30,000 hrs
- 8.0 Quality assurance requirements
- 8.1 Acceptance test
According to MIL-STD-105D Control II level
- AQL : 0.65 (major)
1.25 (minor)
(Please also refer to annual quality agreement)
- 9.0 Serviceability
The serviceability of this monitor should fulfill the requirements which are prescribed in UAW-0346 and must be checked with the check list UAT-0361.

Fig 1: Brightness and Uniformity



Average: 9 points average

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Scaler Schematic Diagram -1

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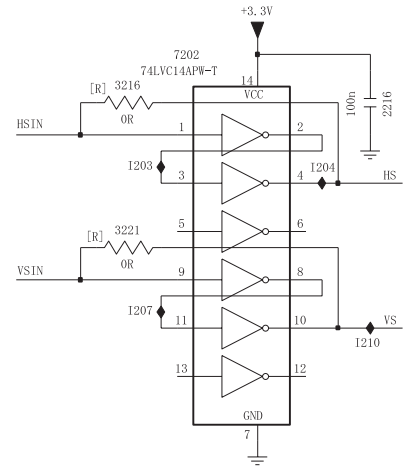
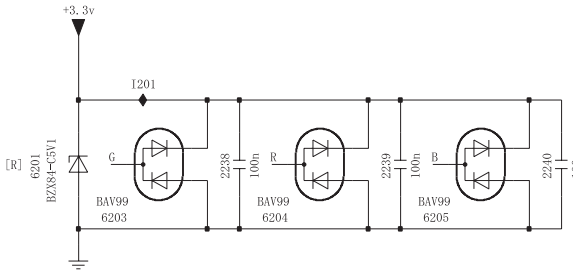
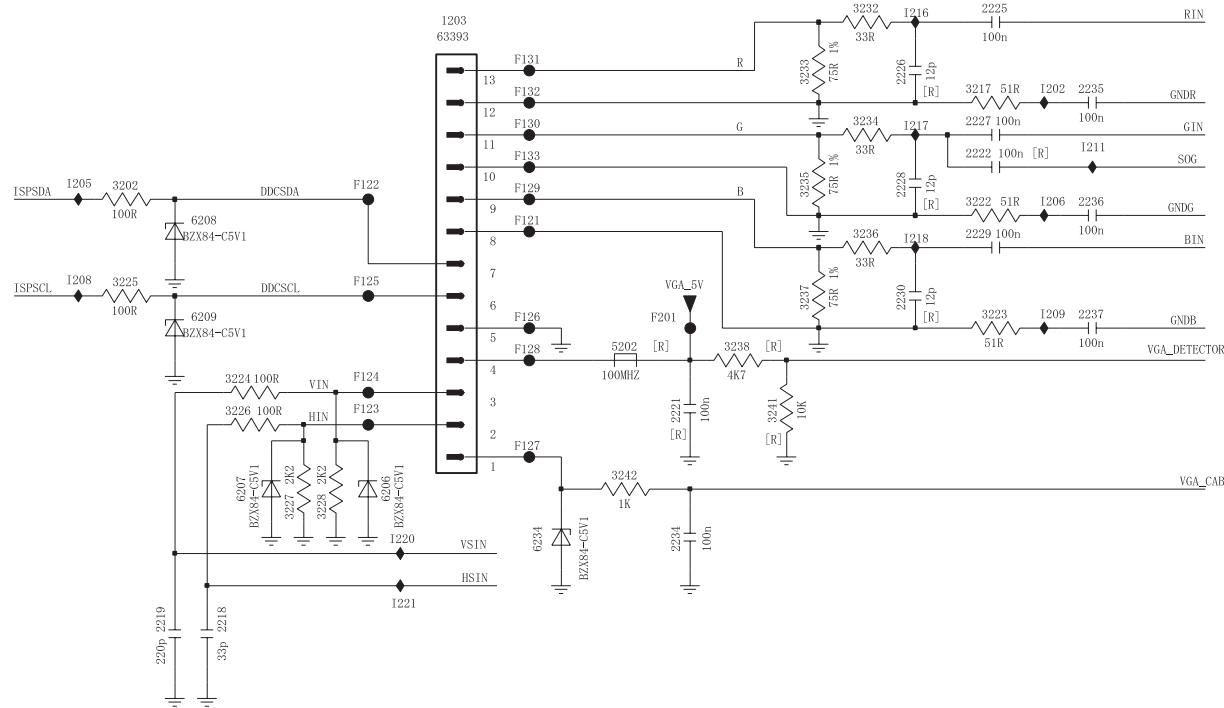


J



SCALER BOARD
SB: 60731 x 6
PB: 60741

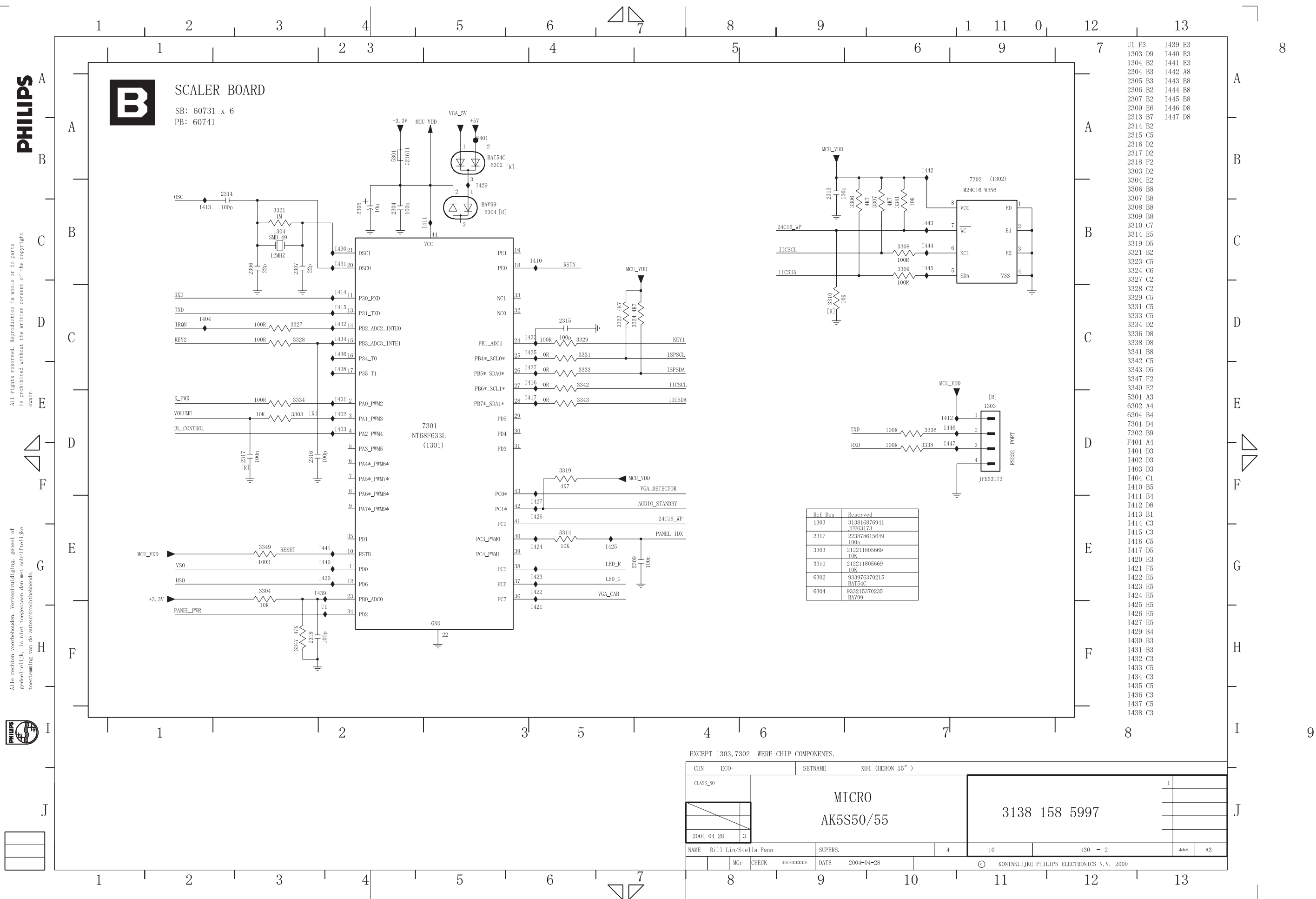
Ref Des	Reserved
2221	223878615649 100n
2222	223878615649 100n
2226	319801631290 12p
2228	319801631290 12p
2230	319801631290 12p
3216	212211805631 0R
3221	212211805631 0R
3238	212211805665 4K7
3241	212211805669 10K
5202	313816874261 100MHZ
6201	933137390215 BZX84-C5V1



1203	C3	I211	D6
2216	C9	I216	C5
2218	F2	I217	C5
2219	F2	I218	D5
2221	E4	I220	E3
2222	D6	I221	F3
2225	C6		
2226	C5		
2227	C6		
2228	D5		
2229	D6		
2230	D5		
2234	E4		
2235	C6		
2236	D6		
2237	D6		
2238	B7		
2239	B8		
2240	B9		
3202	D2		
3216	C8		
3217	C6		
3221	D8		
3222	D6		
3223	D6		
3224	E2		
3225	D2		
3226	E2		
3227	E2		
3228	E3		
3232	C5		
3233	C5		
3234	C5		
3235	D5		
3236	D5		
3237	D5		
3238	D4		
3241	E5		
3242	E4		
5202	D4		
6201	B7		
6203	B7		
6204	B8		
6205	B8		
6206	E3		
6207	E2		
6208	D2		
6209	D2		
6234	E4		
7202	C8		
F121	D4		
F122	D3		
F123	E3		
F124	E3		
F125	D3		
F126	D4		
F127	E4		
F128	D4		
F129	D4		
F130	C4		
F131	C4		
F132	C4		
F133	D4		
F201	D4		
I201	A7		
I202	C6		
I203	D8		
I204	D9		
I205	D2		
I206	D6		
I207	D8		
I208	D2		
I209	D6		
I210	D9		

EXCEPT 1203 WERE CHIP COMPONENTS.

CHN	ECO-	SETNAME	XH4 (HERON 15")			
CLASS_00					1	-----
		DSUB				
		AK5S50/55				
2004-04-28	3					
NAME	Bill Lin/Stella Fann		SUPERS.	4	10	130 - 1
	MGr	CHECK	*****	DATE	2004-04-28	© KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000



CHN		ECO-		SETNAME		XH4 (HERON 15")			
CLASS_NO				SCALER		AK5S50/55		3138 158 5997	
2004-04-28		3							
NAME		Bill Lin/Stella Fann		SUPERS.		4		10	
								130 - 3	

								A3	
		MGR		CHECK		*****		DATE	
								2004-04-28	
								KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000	

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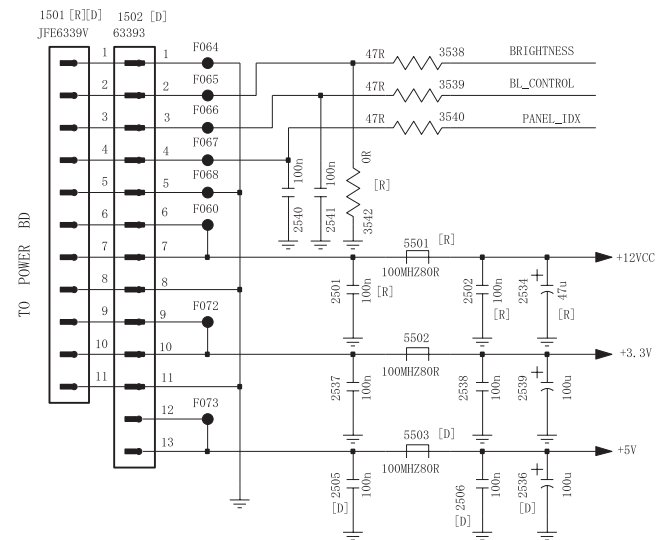
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SCALER BOARD

SB: 60731 x 6

PB: 60741

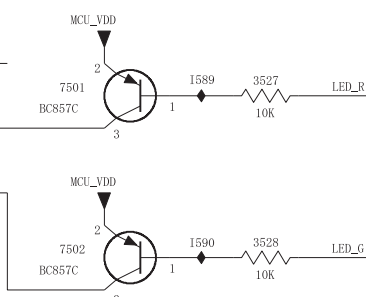
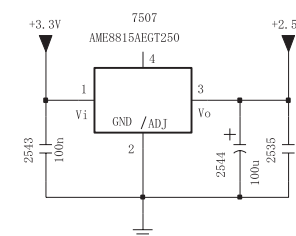
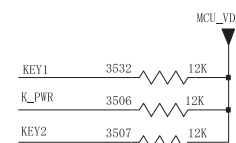
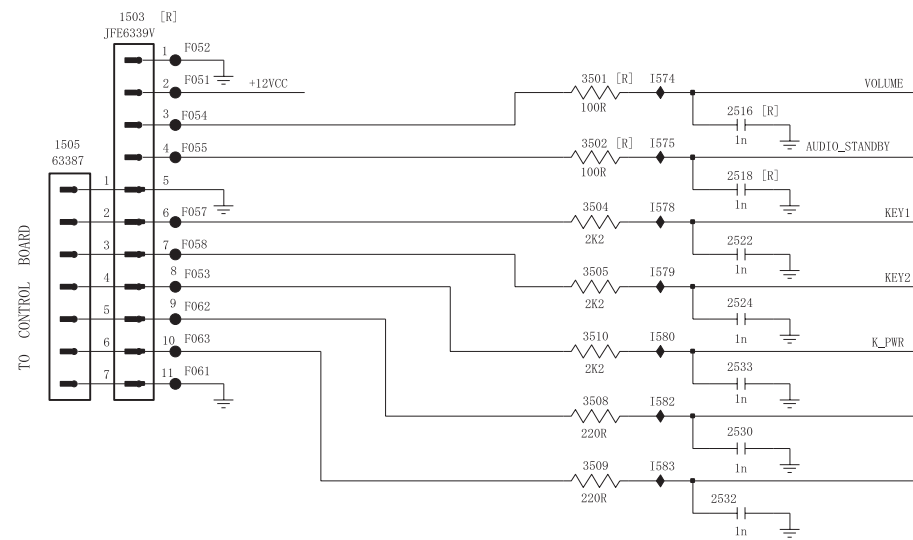
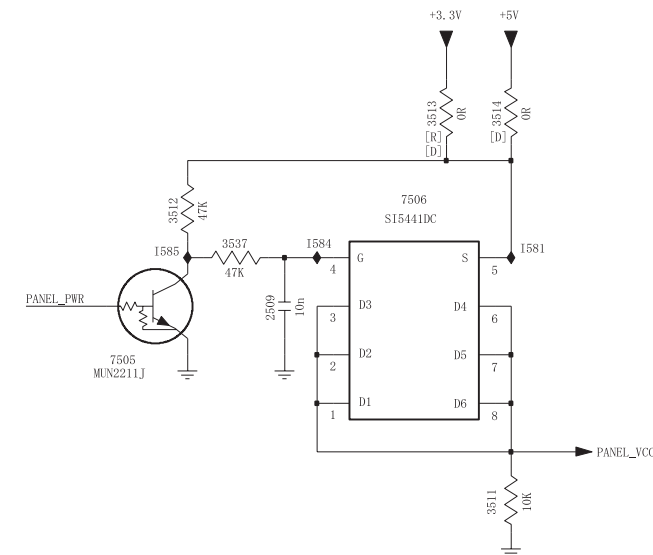


[R]

Ref.	Des	Reserved	(15° & 17°)
1501		313816872071 1FE6339V	(ONLY 17°)
1503		313816872071 1FE6339V	
2501		223878615649 100n	
2502		223878615649 100n	
2516		223858615623 1n	
2518		223858615623 1n	
2534		202001293747 47u	
3501		212211805643 100R	
3502		212211805643 100R	
3513		212211805972 0R	(ONLY 17°)
3542		232270296001 0R	
5501		313816874261 100MHz	

[D]

Ref Des	15"	17"
1501	11 Pin	NI.
1502	NI.	13 Pin
2505	NI.	100n
2506	NI.	100n
2536	NI.	100u
3513	OR	NI.
3514	NI.	OR
5503	NI.	100MHz



EXCEPT 1502, 1503, 1503, 1505 WERE CHIP COMPONENTS.

CHN		ECO-		SETNAME		XH4 (HEIRON 15")	
CLASS_N0		CONNECTOR AK5S50/55		3138 158 5997		1	
2004-04-28						3	
NAME		Bill Lin/Stella Fann		SUPERS.		4	
						130 -	
						A3	
		CHECK		DATE		2004-04-28	
						© KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000	

3138 158 5997

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CN: ECO-			LCD SH4						
CLASS NO. 3XX000		Scaler Board LCD SH4 Helen 17"				3138 103 6073		1	2004-04-19
									
								2	
								3	
NAME Bill Lin/Stella			SUPERS		2	10	132 - 1		A3
		CHECK	DATE 2004-04-19		©	Philips Electronics N.V.			

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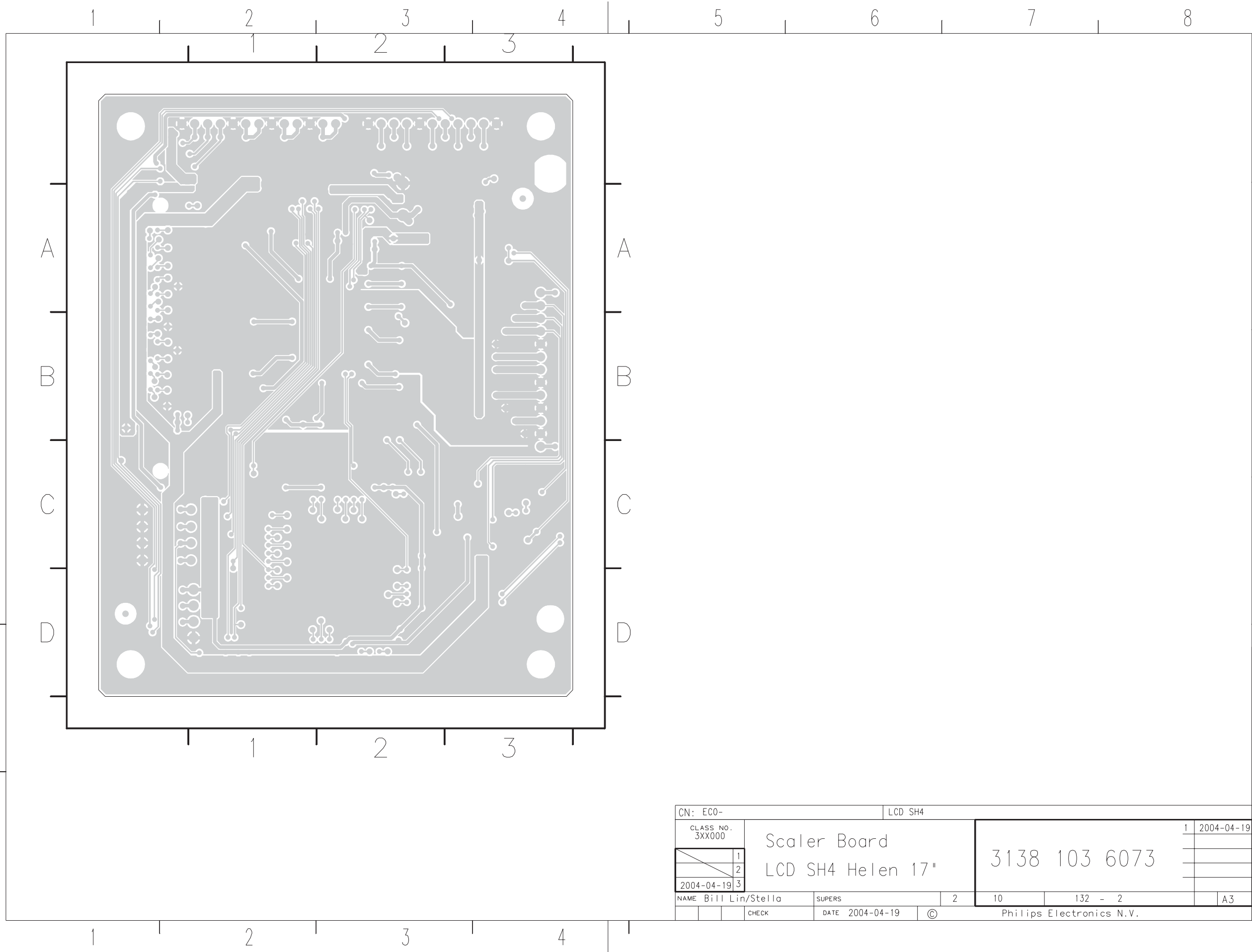


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e

f



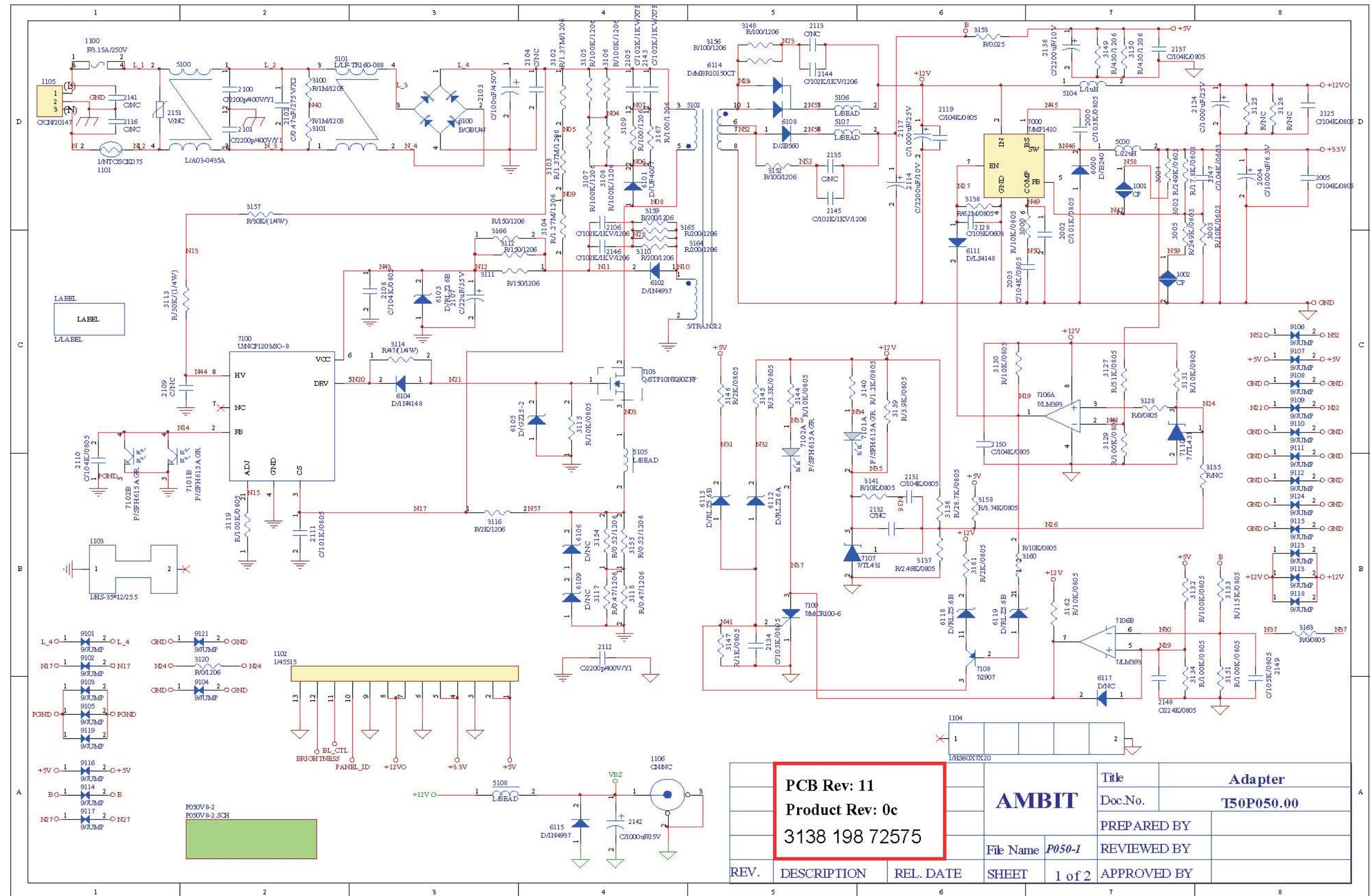
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CLASS NO. 3XX000		Scaler Board	
2004-04-19		LCD SH4 Helen 17"	
NAME Bill Lin/Stella		SUPERS	
CHECK		DATE 2004-04-19	
2		10	
132 - 2		A3	
© Philips Electronics N.V.			



Hon Hai Precision Ind. Co., Ltd.

Circuit Schematic:

AC/DC Schematic



PCB Rev: 11
Product Rev: 0c
3138 198 72575

AMBIT

Title Adapter
Doc.No. T50P050.00

PREPARED BY

REVIEWED BY

APPROVED BY

File Name P050-1

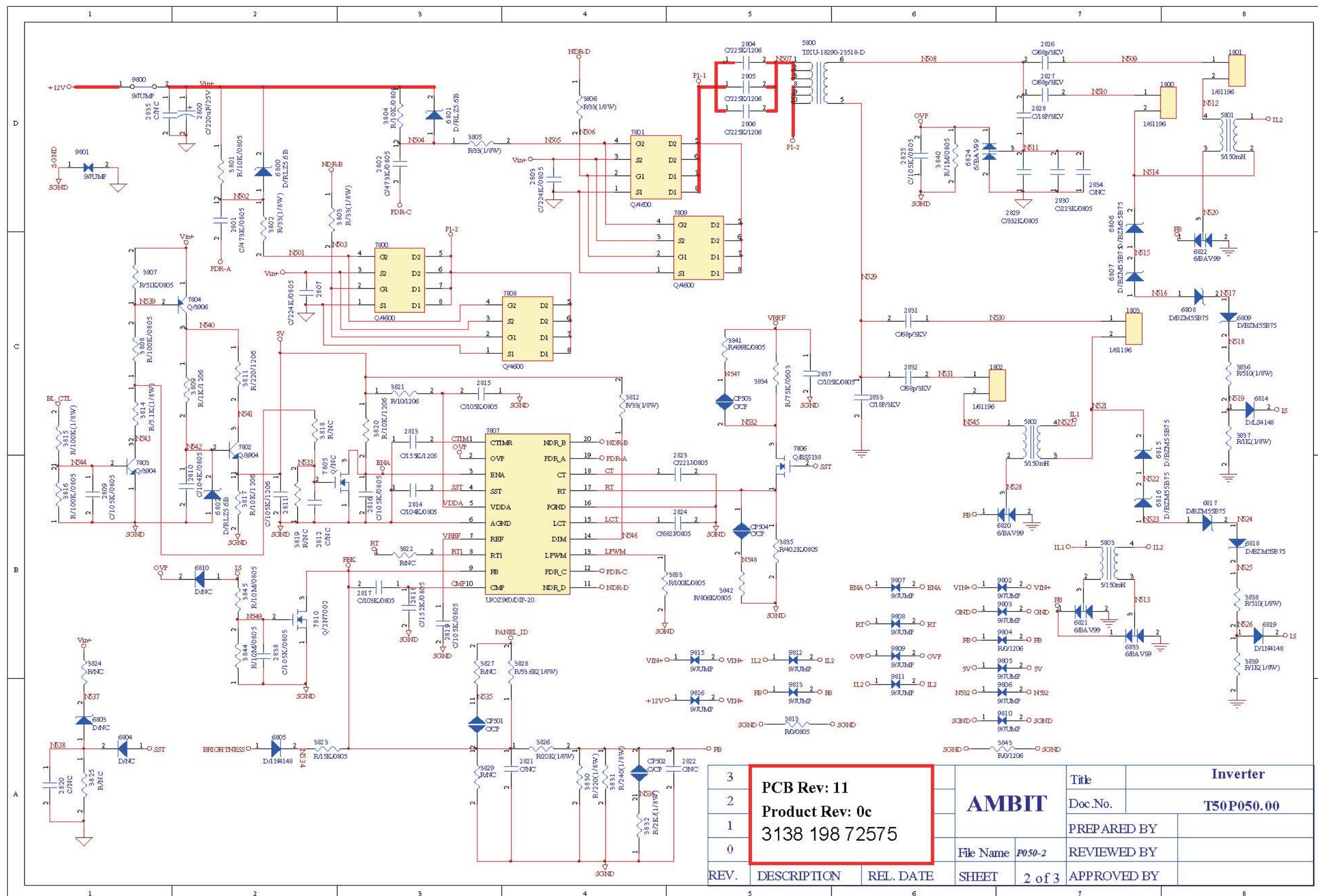
1 of 2

REV. DESCRIPTION REL. DATE SHEET

[Go to cover page](#)

Hon Hai Precision Ind. Co., Ltd.

DC/AC Schematic



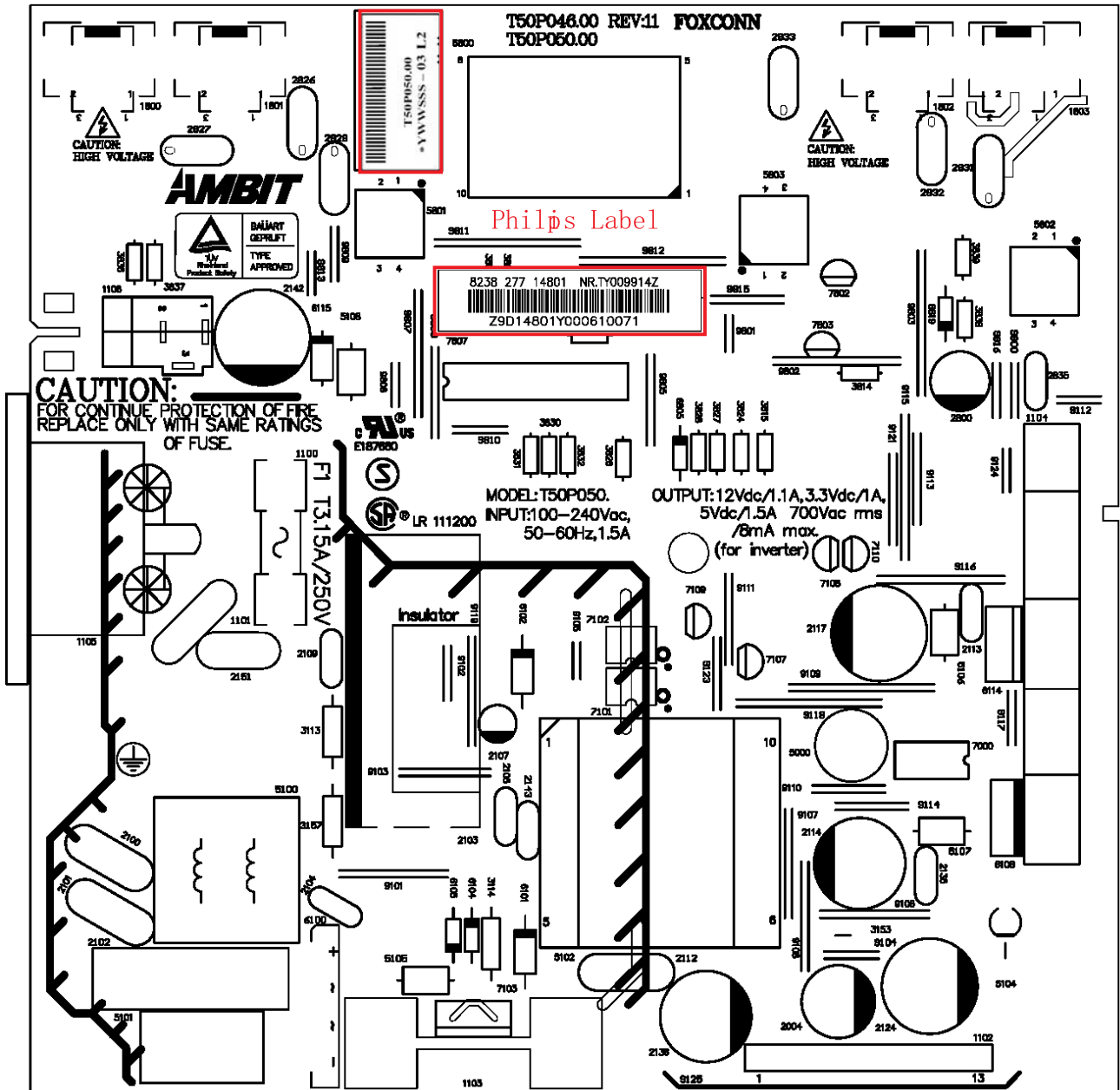
PCB Rev: 11
Product Rev: 0c
3138 198 72575

AMBIT

Title	Inverter
Doc.No.	T50P050.00
PREPARED BY	
REVIEWED BY	
APPROVED BY	

REV.	DESCRIPTION	REL. DATE
3		
2		
1		
0		

File Name	P050-2
SHEET	2 of 3

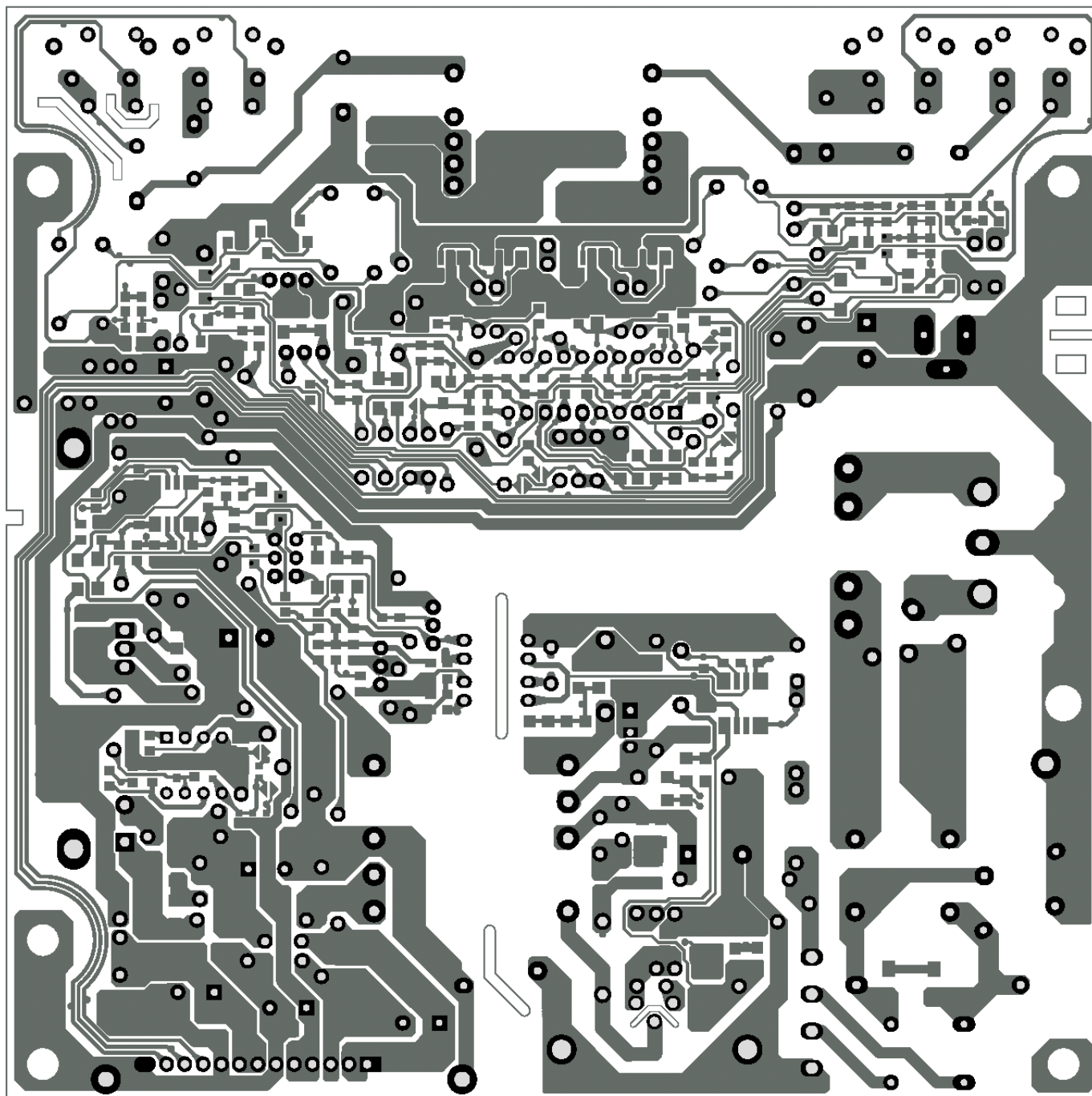




Hon Hai Precision Ind. Co., Ltd

Layout Drawings

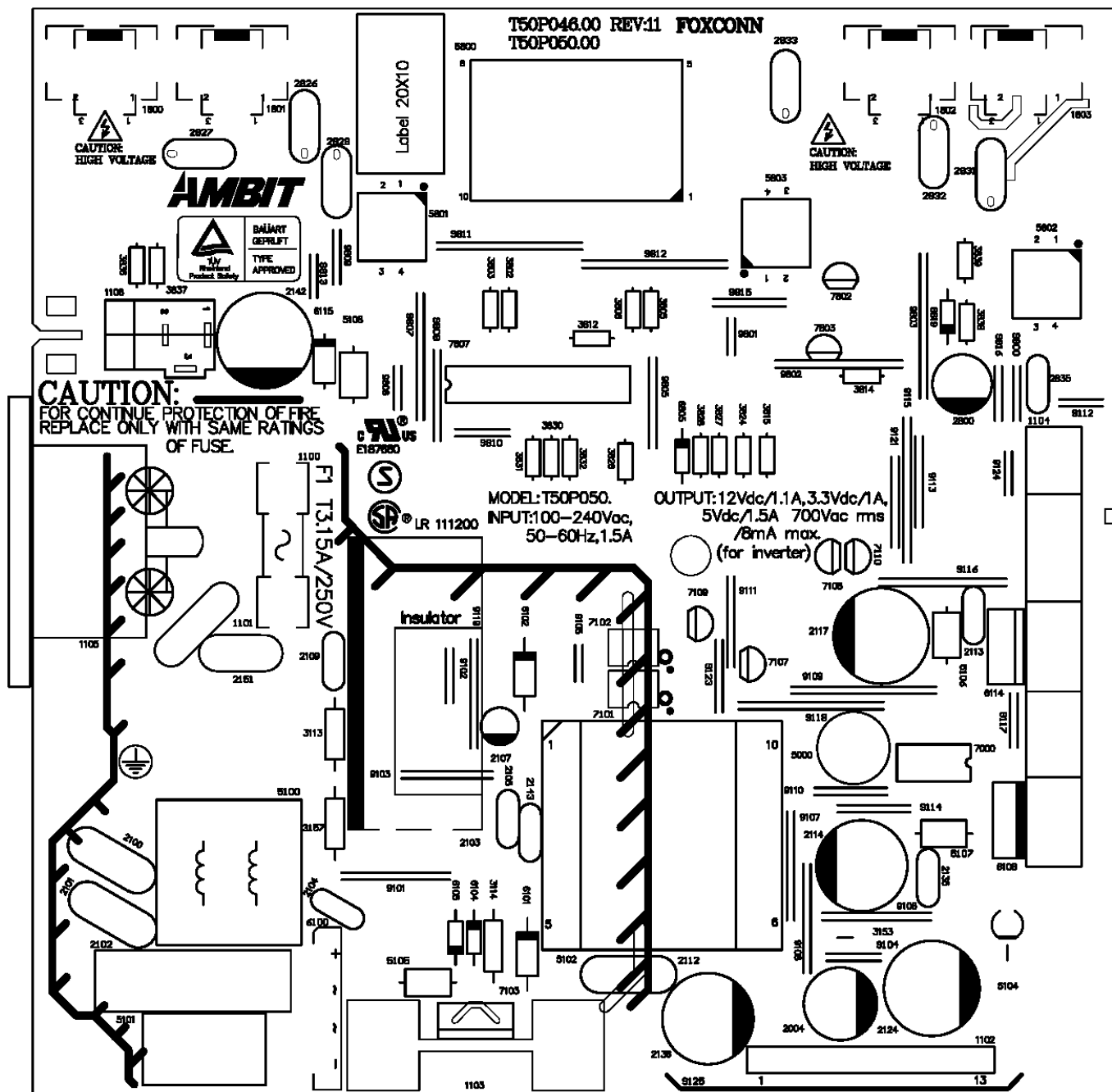
Bottom Layer:





Hon Hai Precision Ind. Co., Ltd

Top Silk Screen Overlayer



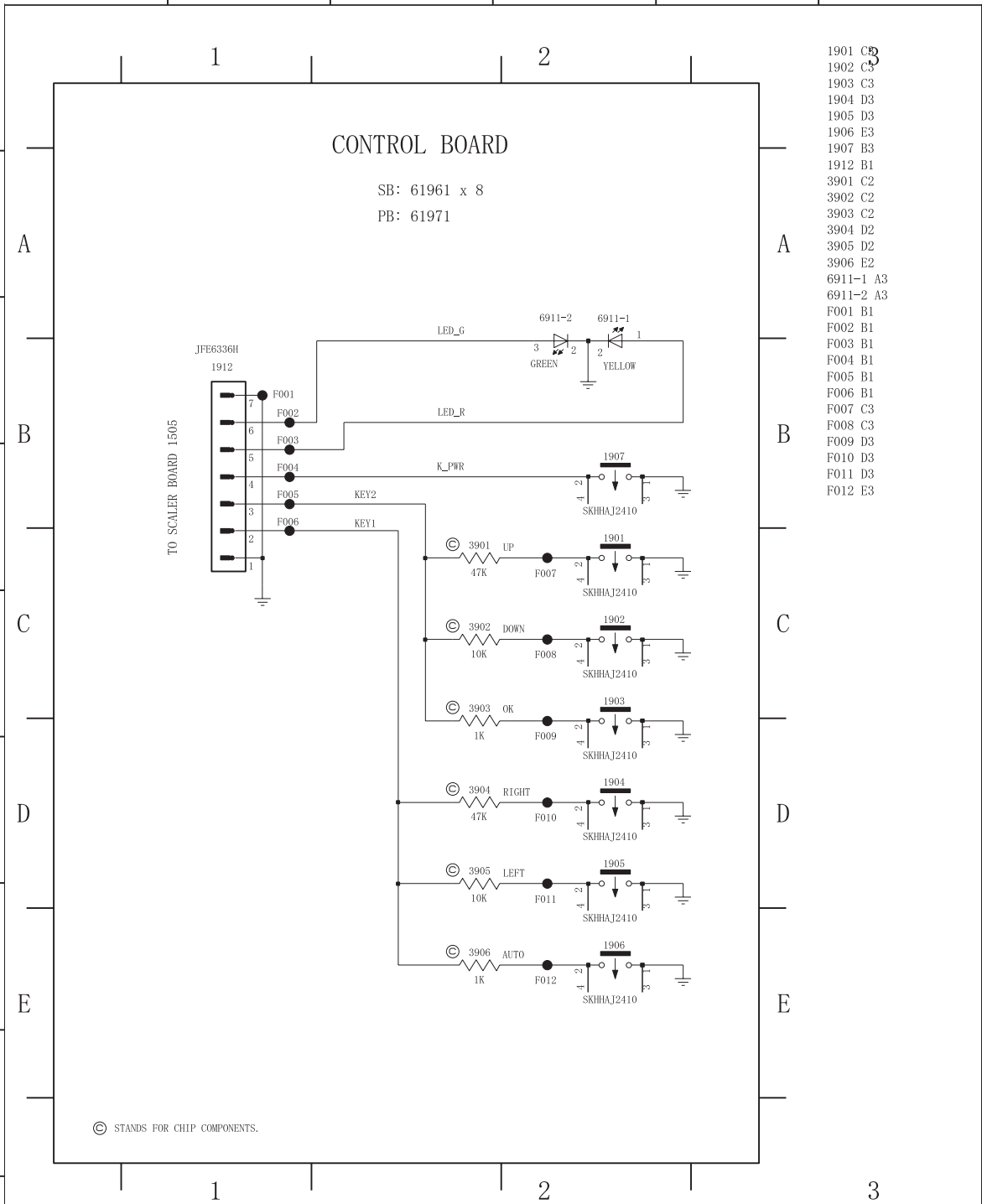
Control Schematic Diagram

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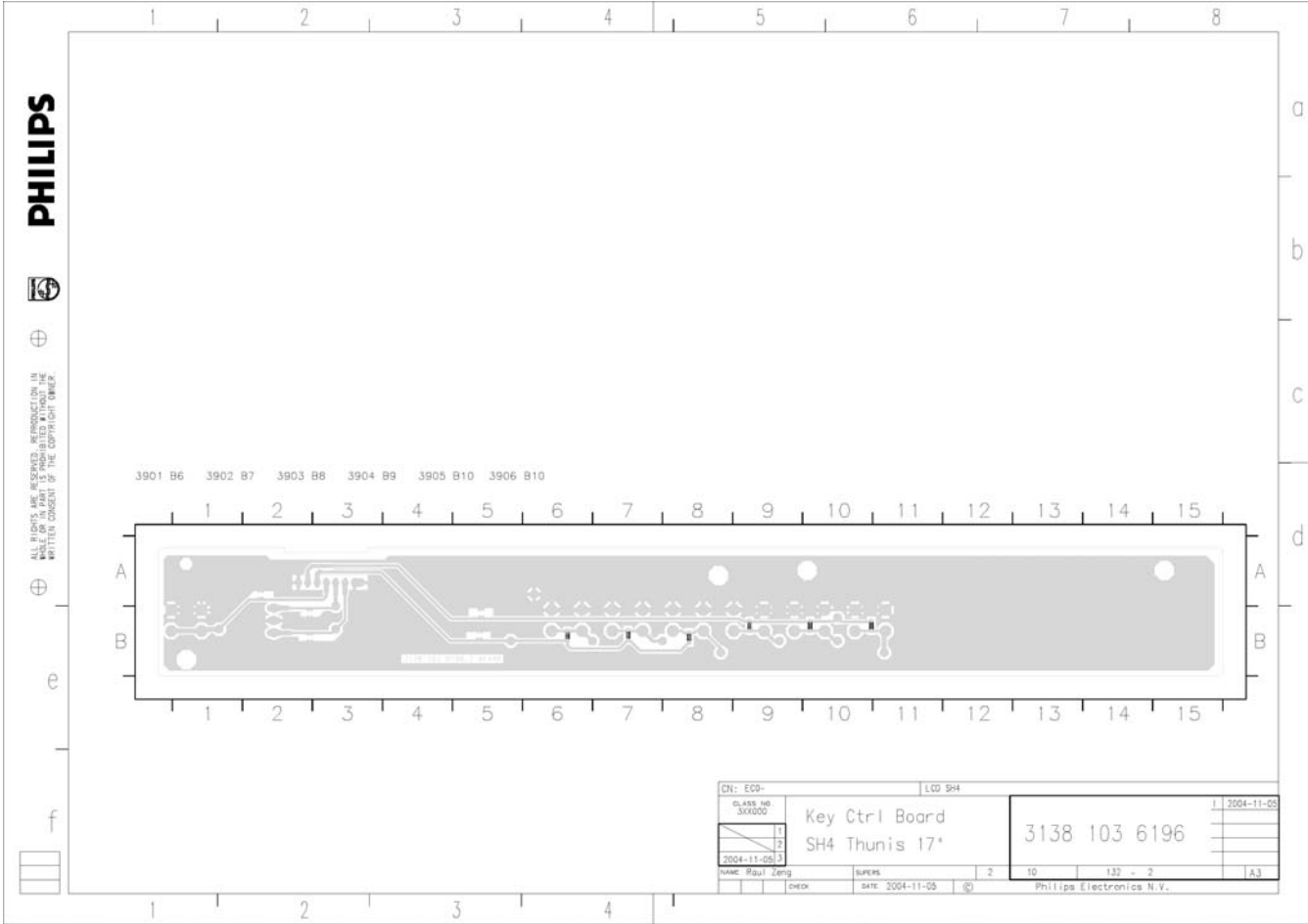
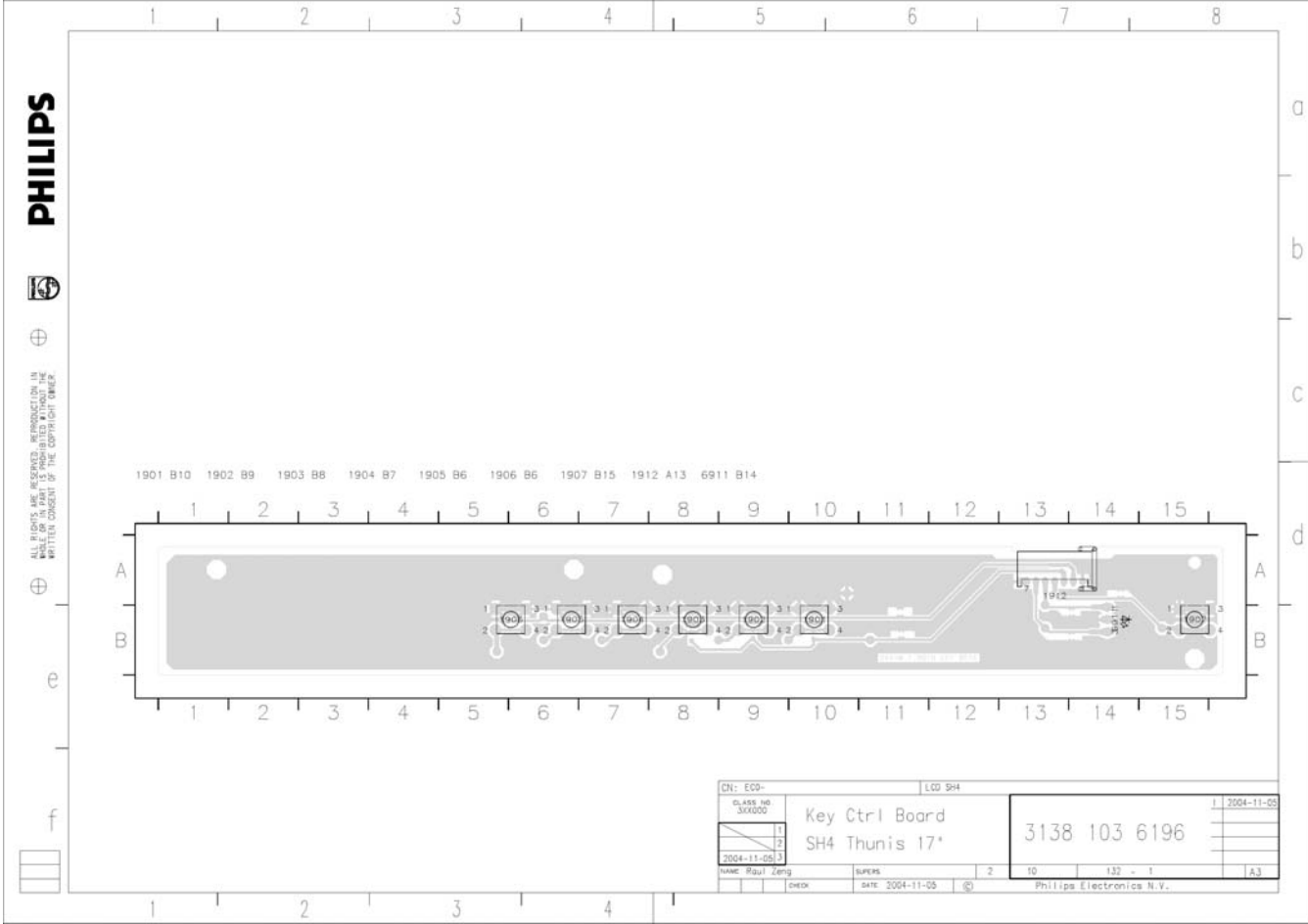
- 1901 C3
- 1902 C3
- 1903 C3
- 1904 D3
- 1905 D3
- 1906 E3
- 1907 B3
- 1912 B1
- 3901 C2
- 3902 C2
- 3903 C2
- 3904 D2
- 3905 D2
- 3906 E2
- 6911-1 A3
- 6911-2 A3
- F001 B1
- F002 B1
- F003 B1
- F004 B1
- F005 B1
- F006 B1
- F007 C3
- F008 C3
- F009 D3
- F010 D3
- F011 D3
- F012 E3

CHN	ECO-	SETNAME	SH4 (THUNIS 17")		
CLASS_No		CONTROL BOARD		3138 158 6209	
2004-11-05		CG3S50/91			
NAME	Raul Zeng	SUPERS.	1	10	130 - 1
MGr	CHECK	*****	DATE	2004-11-05	*** A4

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Control Board C.B.A.

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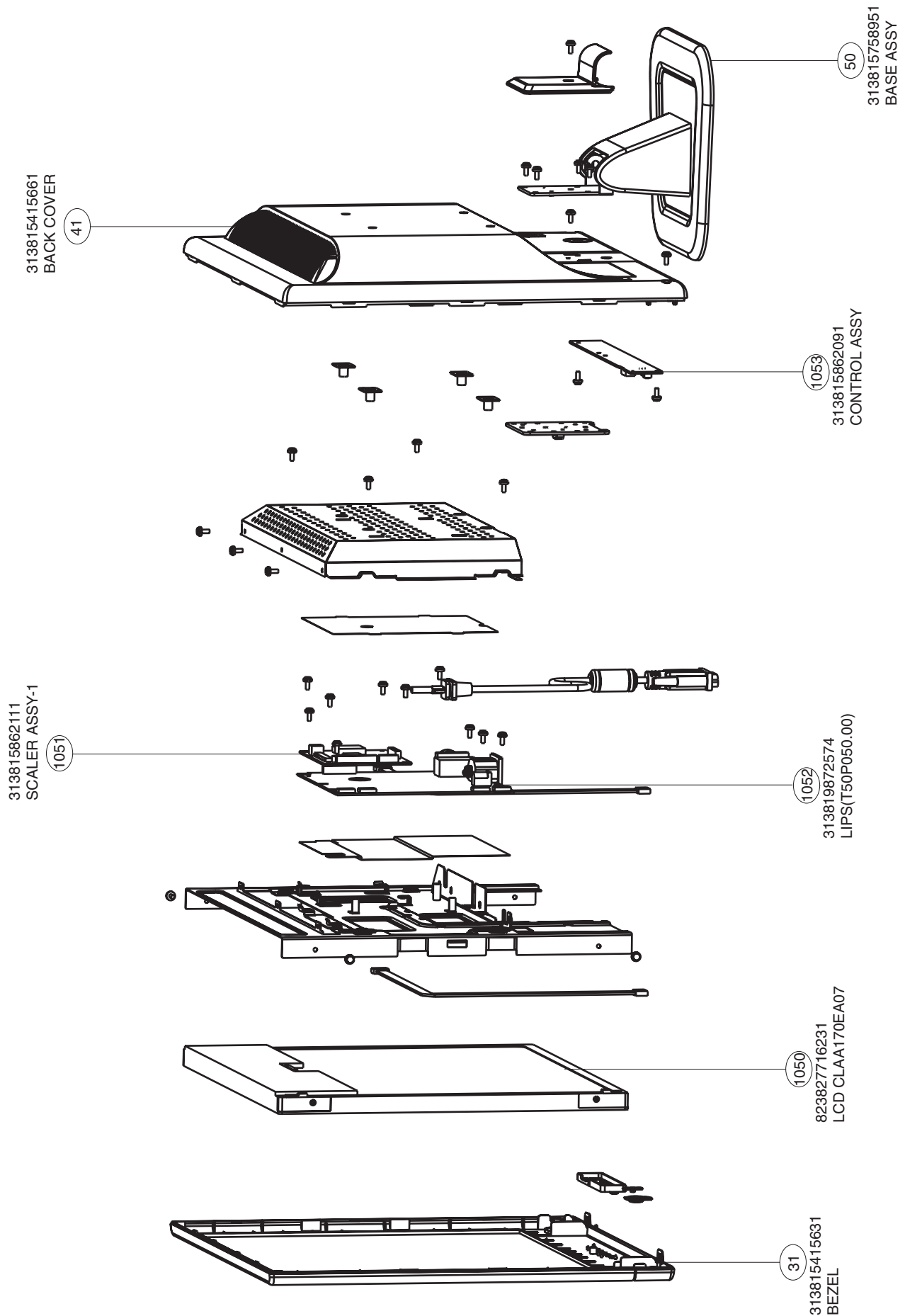


Exploded view

CG3S50/91

27

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Spare Parts List

Model: CG3S50/91(CPT) 12NC: 8639 000 16032			2309	223878615649	CER2 0603 X7R 16V 100N PM10	3347	212211805678	RST SM 0603 RC0603 47K PM5	
Mechanical Parts			2313	223878615649	CER2 0603 X7R 16V 100N PM10	3349	232270260101	RST SM 0603 RC21 100R PM5	
			2314	223886715101	CER1 0603 NP0 50V 100P PM5	3404	232270260101	RST SM 0603 RC21 100R PM5	
			2315	223886715101	CER1 0603 NP0 50V 100P PM5	3405	232270260101	RST SM 0603 RC21 100R PM5	
			2316	223886715101	CER1 0603 NP0 50V 100P PM5	3408	212211805655	RST SM 0603 RC0603 820R PM5	
			2318	223886715101	CER1 0603 NP0 50V 100P PM5	3411	212211805637	RST SM 0603 RC0603 22R PM5	
			2401	223878615649	CER2 0603 X7R 16V 100N PM10	3415	212211805637	RST SM 0603 RC0603 22R PM5	
			2402	223878615649	CER2 0603 X7R 16V 100N PM10	3416	212211805637	RST SM 0603 RC0603 22R PM5	
			2403	223878615649	CER2 0603 X7R 16V 100N PM10	3417	212211805637	RST SM 0603 RC0603 22R PM5	
			2404	223878615649	CER2 0603 X7R 16V 100N PM10	3418	232270260101	RST SM 0603 RC21 100R PM5	
			2405	223878615649	CER2 0603 X7R 16V 100N PM10	3419	232270260101	RST SM 0603 RC21 100R PM5	
30 313815758931 FRONT CABT ASSY			2410	202203100143	ELCAP KM 10V S 470U PM20	3504	232270260222	RST SM 0603 RC21 2K2 PM5	
			2411	222224119876	CER2 1206 Y5V 10V 10U P8020	3505	232270260222	RST SM 0603 RC21 2K2 PM5	
			2412	223878615649	CER2 0603 X7R 16V 100N PM10	3506	232270260123	RST SM 0603 RC21 12K PM5	
			2442	223878615649	CER2 0603 X7R 16V 100N PM10	3507	232270260123	RST SM 0603 RC21 12K PM5	
			2443	223878615649	CER2 0603 X7R 16V 100N PM10	3508	232270260221	RST SM 0603 RC21 220R PM5	
			2444	223878615649	CER2 0603 X7R 16V 100N PM10	3509	232270260221	RST SM 0603 RC21 220R PM5	
			2446	202001293721	ELCAP SM RV2 16V 10U PM20	3510	232270260222	RST SM 0603 RC21 2K2 PM5	
			2447	223878615649	CER2 0603 X7R 16V 100N PM10	3511	212211805669	RST SM 0603 RC0603 10K PM5	
			2448	223878615649	CER2 0603 X7R 16V 100N PM10	3512	212211805678	RST SM 0603 RC0603 47K PM5	
			2449	223878615649	CER2 0603 X7R 16V 100N PM10	3514	232270296001	RST SM 0603 JUMP. MAX 0R05	
31 313815415631 BEZEL			2450	223878615649	CER2 0603 X7R 16V 100N PM10	3527	212211805669	RST SM 0603 RC0603 10K PM5	
			2451	223878615649	CER2 0603 X7R 16V 100N PM10	3528	212211805669	RST SM 0603 RC0603 10K PM5	
			2452	223878615649	CER2 0603 X7R 16V 100N PM10	3532	232270260123	RST SM 0603 RC21 12K PM5	
			2453	222224119876	CER2 1206 Y5V 10V 10U P8020	3537	212211805678	RST SM 0603 RC0603 47K PM5	
			2454	223878615649	CER2 0603 X7R 16V 100N PM10	3538	232270260479	RST SM 0603 RC21 47R PM5	
			2455	223878615649	CER2 0603 X7R 16V 100N PM10	3539	232270260479	RST SM 0603 RC21 47R PM5	
			2468	222224119876	CER2 1206 Y5V 10V 10U P8020	3540	232270260479	RST SM 0603 RC21 47R PM5	
			2469	223878615649	CER2 0603 X7R 16V 100N PM10		5301	242254945579	IND FXD 1206 EMI 100MHZ 100R
			2477	202001293721	ELCAP SM RV2 16V 10U PM20	5440	242254945579	IND FXD 1206 EMI 100MHZ 100R	
			2505	223878615649	CER2 0603 X7R 16V 100N PM10	5441	242254945579	IND FXD 1206 EMI 100MHZ 100R	
32 313815415641 BUTTON POWER			2506	223878615649	CER2 0603 X7R 16V 100N PM10	5449	242254945579	IND FXD 1206 EMI 100MHZ 100R	
			2509	223858615636	CER2 0603 X7R 50V 10N PM10	5502	242254945579	IND FXD 1206 EMI 100MHZ 100R	
			2522	223858615623	CER2 0603 X7R 50V 1N PM10	5503	242254945579	IND FXD 1206 EMI 100MHZ 100R	
			2524	223858615623	CER2 0603 X7R 50V 1N PM10		6203	933215370215	DIO SIG SM BAV99 (PHSE)
			2530	223858615623	CER2 0603 X7R 50V 1N PM10	6204	933215370215	DIO SIG SM BAV99 (PHSE)	
			2532	223858615623	CER2 0603 X7R 50V 1N PM10	6205	933215370215	DIO SIG SM BAV99 (PHSE)	
			2533	223858615623	CER2 0603 X7R 50V 1N PM10	6206	933137390215	DIO REG SM BZX84-C5V1 (PHSE)	
			2535	223878615649	CER2 0603 X7R 16V 100N PM10	6207	933137390215	DIO REG SM BZX84-C5V1 (PHSE)	
			2536	202001293803	ELCAP SM RV2 16V 100U PM20	6208	933137390215	DIO REG SM BZX84-C5V1 (PHSE)	
			2537	223878615649	CER2 0603 X7R 16V 100N PM10	6209	933137390215	DIO REG SM BZX84-C5V1 (PHSE)	
33 313815415651 BUTTON CONTROL			2538	223878615649	CER2 0603 X7R 16V 100N PM10	6234	933137390215	DIO REG SM BZX84-C5V1 (PHSE)	
			2539	202001293803	ELCAP SM RV2 16V 100U PM20	6401	933913910115	DIO SIG SM BAS32L (PHSE)	
			2540	223878615649	CER2 0603 X7R 16V 100N PM10		7202	935260739118	IC SM 74LVC14APW (PHSE)
			2541	223878615649	CER2 0603 X7R 16V 100N PM10	7301	932220582682	IC SM NT68F633L (NOVA)	
			2543	223824619863	CER2 0603 Y5V 10V 1U P8020	7302	932214725682	IC M24C16-WBN6 (ST00)	
			2544	222224119876	CER2 1206 Y5V 10V 10U P8020	7443	932220618671	IC SM NT68521EF (NOVA)	
				3202	232270260101	RST SM 0603 RC21 100R PM5	7444	932212353668	IC SM TL431ACD (ST00)
			3217	232270260519	RST SM 0603 RC21 51R PM5	7501	932200429685	TRA SIG SM BC857C (ONSE)	
			3222	232270260519	RST SM 0603 RC21 51R PM5	7502	932200429685	TRA SIG SM BC857C (ONSE)	
			3223	232270260519	RST SM 0603 RC21 51R PM5	7505	932209265685	TRA SIG SM MUN2211JG (ONSE)	
40 313815758941 BACK COVER ASSY			3224	232270260101	RST SM 0603 RC21 100R PM5	7506	932216638668	FET POW SM SI5441DC-E3 (VISH)	
			3225	232270260101	RST SM 0603 RC21 100R PM5	7507	932218246668	IC SM AME8815AEGT250 (AME0)	
			3226	232270260101	RST SM 0603 RC21 100R PM5	PCB Assy			
			3227	232270260222	RST SM 0603 RC21 2K2 PM5	1053	313815862091	CONTROL ASSY	
			3228	232270260222	RST SM 0603 RC21 2K2 PM5		3901	212211805678	RST SM 0603 RC0603 47K PM5
			3232	232270260339	RST SM 0603 RC21 33R PM5	3902	212211805669	RST SM 0603 RC0603 10K PM5	
			3233	232273467509	RST SM 0805 RC12H 75R PM1	3903	212211805656	RST SM 0603 RC06031K PM5 R	
			3234	232270260339	RST SM 0603 RC21 33R PM5	3904	212211805678	RST SM 0603 RC0603 47K PM5	
			3235	232273467509	RST SM 0805 RC12H 75R PM1	3905	212211805669	RST SM 0603 RC0603 10K PM5	
			3236	232270260339	RST SM 0603 RC21 33R PM5	3906	212211805656	RST SM 0603 RC06031K PM5 R	
41 313815415661 BACK COVER			3237	232273467509	RST SM 0805 RC12H 75R PM1		6911	932219981682	LED VS L-3WYGW-8.03* (KIEL)
			3242	212211805656	RST SM 0603 RC06031K PM5 R	PCB Assy			
			3304	212211805669	RST SM 0603 RC0603 10K PM5				
			3306	232270260472	RST SM 0603 RC21 4K7 PM5				
			3307	232270260472	RST SM 0603 RC21 4K7 PM5				
			3308	232270260101	RST SM 0603 RC21 100R PM5				
			3309	232270260101	RST SM 0603 RC21 100R PM5				
			3314	212211805669	RST SM 0603 RC0603 10K PM5				
			3319	232270260472	RST SM 0603 RC21 4K7 PM5				
			3321	212211805689	RST SM 0603 RC0603 1M PM5				
3323	232270260472	RST SM 0603 RC21 4K7 PM5							
42 313815133511 VESA PLATE			3324	232270260472	RST SM 0603 RC21 4K7 PM5	PCB Assy			
			3327	232270260101	RST SM 0603 RC21 100R PM5				
			3328	232270260101	RST SM 0603 RC21 100R PM5				
			3329	232270260101	RST SM 0603 RC21 100R PM5				
			3331	232270296001	RST SM 0603 JUMP. MAX 0R05				
			3333	232270296001	RST SM 0603 JUMP. MAX 0R05				
			3334	232270260101	RST SM 0603 RC21 100R PM5				
			3336	232270260101	RST SM 0603 RC21 100R PM5				
			3338	232270260101	RST SM 0603 RC21 100R PM5				
			3341	212211805669	RST SM 0603 RC0603 10K PM5				
43 313815639491 CUSHION-R			3342	232270296001	RST SM 0603 JUMP. MAX 0R05	PCB Assy			
			3343	232270296001	RST SM 0603 JUMP. MAX 0R05				
			202001293721	ELCAP SM RV2 16V 10U PM20					
			223886715229	CER1 0603 NP0 50V 22P PM5					
			223886715229	CER1 0603 NP0 50V 22P PM5					
			223878615649	CER2 0603 X7R 16V 100N PM10					
			223886715339	CER1 0603 NP0 50V 33P PM5					
			223886715221	CER1 0603 NP0 50V 220P PM5					
			2225	223878615649	CER2 0603 X7R 16V 100N PM10				
			2227	223878615649	CER2 0603 X7R 16V 100N PM10				
44 313815134221 HINGE PLATE			2229	223878615649	CER2 0603 X7R 16V 100N PM10	PCB Assy			
			2234	223878615649	CER2 0603 X7R 16V 100N PM10				
			2235	223878615649	CER2 0603 X7R 16V 100N PM10				
			2236	223878615649	CER2 0603 X7R 16V 100N PM10				
			2237	223878615649	CER2 0603 X7R 16V 100N PM10				
			2238	223878615649	CER2 0603 X7R 16V 100N PM10				
			2239	223878615649	CER2 0603 X7R 16V 100N PM10				
			2240	223878615649	CER2 0603 X7R 16V 100N PM10				
			2304	223878615649	CER2 0603 X7R 16V 100N PM10				
45 313815639471 CARTON			2305	202001293721	ELCAP SM RV2 16V 10U PM20	PCB Assy			
			2306	223886715229	CER1 0603 NP0 50V 22P PM5				
			2307	223886715229	CER1 0603 NP0 50V 22P PM5				
			223878615649	CER2 0603 X7R 16V 100N PM10					
			223886715339	CER1 0603 NP0 50V 33P PM5					
			223886715221	CER1 0603 NP0 50V 220P PM5					
			2225	223878615649	CER2 0603 X7R 16V 100N PM10				
			2227	223878615649	CER2 0603 X7R 16V 100N PM10				
			2229	223878615649	CER2 0603 X7R 16V 100N PM10				
46 313815639481 CUSHION-L			2230	223878615649	CER2 0603 X7R 16V 100N PM10	PCB Assy			
			2231	223878615649	CER2 0603 X7R 16V 100N PM10				
			2232	223878615649	CER2 0603 X7R 16V 100N PM10				
			2233	223878615649	CER2 0603 X7R 16V 100N PM10				
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			2235	223878615649	CER2 0603 X7R 16V 100N PM10				
			2236	223878615649	CER2 0603 X7R 16V 100N PM10				
			2237	223878615649	CER2 0603 X7R 16V 100N PM10				
			2238	223878615649	CER2 0603 X7R 16V 100N PM10				
47 313815862101 METAL FRAME+WIRE ASSY			2239	223878615649	CER2 0603 X7R 16V 100N PM10	PCB Assy			
			2240	223878615649	CER2 0603 X7R 16V 100N PM10				
			2241	223878615649	CER2 0603 X7R 16V 100N PM10				
			2242	223878615649	CER2 0603 X7R 16V 100N PM10				
			2243	223878615649	CER2 0603 X7R 16V 100N PM10				
			2244	223878615649	CER2 0603 X7R 16V 100N PM10				
			2245	223878615649	CER2 0603 X7R 16V 100N PM10				
			2246	223878615649	CER2 0603 X7R 16V 100N PM10				
			2247	223878615649	CER2 0603 X7R 16V 100N PM10				
48 313815862101 METAL FRAME+WIRE ASSY			2248	223878615649	CER2 0603 X7R 16V 100N PM10	PCB Assy			
			2249	223878615649	CER2 0603 X7R 16V 100N PM10				
			2250	223878615649	CER2 0603 X7R 16V 100N PM10				
			2251	223878615649	CER2 0603 X7R 16V 100N PM10				
			2252	223878615649	CER2 0603 X7R 16V 100N PM10				
			2253	223878615649	CER2 0603 X7R 16V 100N PM10				
			2254	223878615649	CER2 0603 X7R 16V 100N PM10				
			2255	223878615649	CER2 0603 X7R 16V 100N PM10				
			2256	223878615649	CER2 0603 X7R 16V 100N PM10				

Recommended Parts List

30	313815758931	FRONT CABT ASSY
31	313815415631	BEZEL
32	313815415641	BUTTON POWER
33	313815415651	BUTTON CONTROL
34	313815409791	LENS
40	313815758941	BACK COVER ASSY
41	313815415661	BACK COVER
42	313815133511	VESA PLATE
44	313815134221	HINGE PLATE
50	313815758951	BASE ASSY
99	313815415671	HINGE COVER
102	313810440571	HOUSING COVER
450	313815639471	CARTON
451	313815639491	CUSHION-R
452	313815639481	CUSHION-L
453	313815621491	P.E. BAG
617	313811708051	HEX CODE OF F/W (CPT)
1157	313818871651	MAINS CORD CCEE 10A 1M8 DET BK
1158	313819873471	CORD D-SUB 15/1M5/13 A2001BK
6205	933215370215	DIO SIG SM BAV99 (PHSE)
6206	933137390215	DIO REG SM BZX84-C5V1 (PHSE)
6401	933913910115	DIO SIG SM BAS32L (PHSE)
7301	932220582682	IC SM NT68F633L (NOVA)
7302	932214725682	IC M24C16-WBN6 (ST00)
7501	932200429685	TRA SIG SM BC857C (ONSE)
8161	313819874381	CBLE-267 7/355/7-267 AWG28
8163	313819871401	CBLE-030 30/135/30-012 AWG28

[◀◀ Go to cover page](#)

Diversity of CG3S50/92 compared with CG3S50/91

Item	12NC	Description
	863900016034	CG3S50/92
0030	313815758971	FRONT CABINET ASSY
0031	313815415681	BEZEL
0032	313815415691	BUTTON POWER
0033	313815415701	BUTTON CONTROL
0131	313815523311	DFU