

SAFETY PRECAUTIONS

SERVICE WARNING

Only qualified service technicians who are familiar with safety checks and guidelines should perform service work. Before replacing parts, disconnect power source to protect electrostatically sensitive parts. Do not attempt to modify any circuit unless so recommended by the manufacturer. When servicing the receiver, use an isolation transformer between the line cord and power receptacle.

GENERAL GUIDELINES

Perform a final SAFETY CHECK before returning receiver to customer. Check repaired area for poorly soldered connections, and check entire circuit board for solder splashes. Check board wiring for pinched wires or wires contacting any high wattage resistors. Check that all control knobs, shields, covers, grounds, and mounting hardware have been replaced. Be sure to replace all insulators and restore proper lead dress.

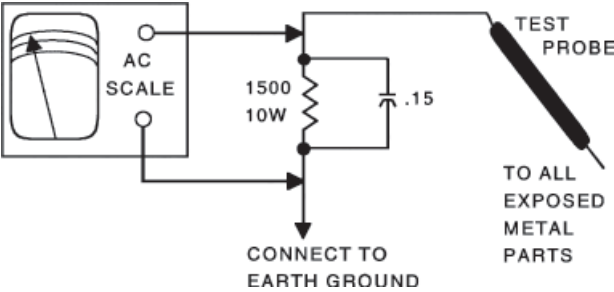
SAFETY CHECKS — FIRE AND SHOCK HAZARD

Cold Leakage Checks for Receivers with Isolated Ground

Unplug the AC cord, connect a jumper across the plug prongs, and turn the power switch on (if applicable). Use an ohmmeter to measure the resistance between the jumped AC plug and any exposed metal cabinet parts such as antenna screw heads, control shafts, or handle brackets. Exposed metal parts with a return path should measure between 1M ohms and 5.2M ohms. Parts without a return path must measure infinity.

Hot Leakage Current Check

Plug the AC cord directly into an AC outlet. DO NOT use an isolation transformer. Use a 1500 ohms, 10W resistor in parallel with a .15µF capacitor to connect between any exposed metal parts on the receiver and a good earth ground. (See figure below.) Use an AC voltmeter with at least 5000 ohms per volt sensitivity to measure the voltage across the resistor. Check all exposed metal parts and measure voltage at each point. Voltage measurements should not exceed .75VAC, 500µA. Any value exceeding this limit constitutes a potential shock hazard and must be corrected. If the AC plug is not polarized, reverse the AC plug and repeat exposed metal part voltage measurement at each point.



The listing of any available replacement part herein in no case constitutes a recommendation, warranty, or guarantee by SAMS Technical Publishing as to the quality and suitability of such replacement part. The numbers of the listed parts have been compiled from information furnished to SAMS Technical Publishing by the manufacturers of the specific type of replacement part listed.

Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein.

© 2010 SAMS Technical Publishing

9850 E. 30th St.  
Indianapolis IN 46229  
www.samswebsite.com

Printed in the United States of America 5 4 3 2 1

10FP06099



QUICKFACT  
FROM PHOTOFAC<sup>®</sup>  
LCD SERIES

SET 5560

MODEL LT-Z32SX5/C

JVC

INDEX

Connector Voltage Chart ..... 11  
IC Functions ..... 10  
Important Parts Information ..... 11  
Miscellaneous Adjustments ..... 2  
Parts List ..... 12  
Placement Charts  
    Board ..... 8  
    Component ..... 9, 10  
*Safety Precautions* ..... 1  
Schematic Component Location ..... 3  
Schematic Notes ..... 7  
Schematics  
    Power Supply ..... 4, 5, 6  
    Regulator ..... 7  
Tuner Information ..... 3

Do not use lead based solder for repair.

For a Complete List of Manuals,  
Visit [www.samswebsite.com](http://www.samswebsite.com)

5560  
Technical Service Data

JVC  
Model LT-Z32SX5/C  
with SFL-9027A POWER SUPPLY



Representative Model

Essential Coverage For Servicing

- These LCD Receiver...
- Component Locations
  - Parts list
  - Placement chart
  - Power Supply Schematic



MAY 2010 SET 5560

5560

MISCELLANEOUS ADJUSTMENTS

ADJUSTMENT PREPARATION

First preset the following settings before entering Service Mode.

Setting Item	Setting Position
Picture Mode	Standard
Picture adjustments	Center
White Balance	Mid
Digital VNR	Min
Super DigiPure	Auto
Pull Down	Auto
Color Management	On
Picture Management	On
Sound adjustments	Center
BBE	Off
Cinema Surround	Off
A.H.B.	Off
Zoom	Full

SERVICE MODE

First confirm the “PIP/TV/DVD” switch on the side of the remote is in the “TV” mode. Enter Service Mode by pressing the “Display” & “Muting” buttons on the remote simultaneously. When the Service Mode window is displayed, press the “1” button on the remote then the Adjustment Mode window will display. Select setting items using the up/down function arrows on the remote. Change of setting value/data use the left/right function arrows on the remote.

**Note:** Make note of the value/data before any changes are made.

S001	(Setting Item No.)
Prepare	(Setting Item)
0	(Setting Value/Data)
Pal 50	(Signal System)
Full	(Zoom Mode)
STD	(Picture Mode)
H	(Color Temp.)

SETTING ITEM NAME		
SETTING ITEMS	SETTINGS	ITEM NO.
Video system setting	Adjustable	S001-S039
Audio system setting	Fixed	T001-T010
Panel control system set	Fixed	P001-P010
Drive system setting	Fixed	D001-D187
Main CPU system set	Fixed	Z001-Z010

MEMORY OF SETTING VALUE/DATA

Press the “Muting” button on the remote to write value/data changes to memory.

EXIT THE SERVICE MODE

Exit the Service Mode by pressing the “Menu” button on the remote.

WHITE BALANCE (HIGHLIGHT)

1.

Apply a PAL 75% all white signal.
2.

Set PICTURE MODE to “STANDARD”.
3.

Set ZOOM to “FULL”.
4.

White Balance to “MID”.
5.

Select “1. ADJUST” from the SERVICE MODE.
6.

Adjust to keep one of the R, G, or B-Drives unchanged, than lower the other two so that the all-white screen is equally white throughout.  
**Note:** Set one or more of <S030>, <S031>, or <S032> Drives to “85”.
7.

Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it.
8.

Press the “MUTING” button on the remote to memorize.

POWER LED BLINKING CHART

The TV’s Power LED flashing indicates an abnormality has occurred.

Blinking Times	Power Indicator	Check Area
1sec intervals.	Low luminance blue on/off	Low Bias line short.
0.1 sec intervals	High luminance blue on/off	Temp. rise in Audio Crt

SELF-CHECK

If the power should fail or if the video or audio fails the self –check function can be used to determine and limit the scope of finding the defective circuit.

Accessing Self-Check Function

Press the “Display” and “Muting” buttons simultaneously on the remote. The Service Menu display will be displayed. Select #2 in the window for “SELF CHK” [page 1](#) & press “Zoom” button on the remote to select [page 2](#) of the Self Check Mode. **Note:** Use the “Cinema” button to toggle from page 1 & 2. Press the “Menu” button on the remote to return to the Main Menu Screen. Item window will indicate: “OK” is normal, “NG” is abnormal.

PAGE 1:			
LOB	OK	FAN	OK
SYNC M:	OK	S: OK	HD: NG
TIM	OK		
MSM	OK	DIGI	0000
MEM	OK	AVSW	OK
YC	OK	AIO	OK
TUN	OK	GCR	NG 1
IP	OK	RGB	OK 8
DVI	OK	HDMI	OK

PAGE 2:			
Fan	OK	ALM	OK
TMP	OK		
ATP	OK	ASH	OK
PNL	OK	MEM	OK
TMP	OK	AIO	OK

**NOTE:** As “Sync” is not counted, the failures are not displayed.

FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, the number will remain as 9. Failure history will be stored in the memory unless it has been reset.

Exiting Self-Check Function

**To save any failure history:** Unplug the TV from the AC source while still in the Self-Check Mode.

**To exit and reset failure history:** Turn the TV off using the “Power” button on the remote while still in the Self-Check Mode.

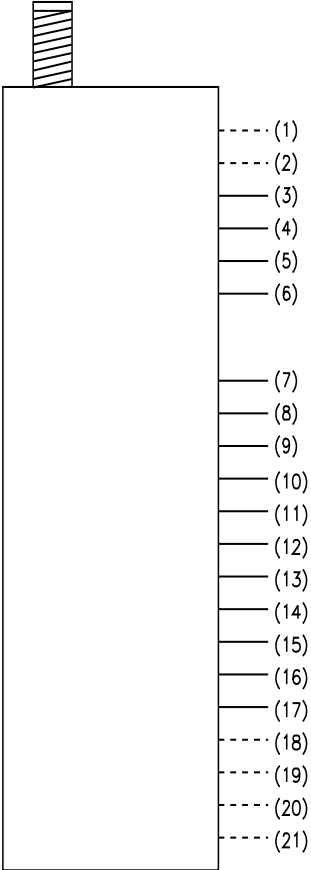
PAGE 1 & 2 DETAILS

PAGE 1					
Detection Item	Display	Detection Content	Signal	Detection Timing	
Low bias line short	LOB	Confirm Q9801, Q9822 voltages	LB_PRO	Will power TV off in 3 seconds if error persist.	
Temp rise Audio Crt.	FAN	Confirm temperature rise, TH6661	SDA	90oC will power TV off in 3 seconds.	
Presence of sync signal	SYNC	Confirm presence of Video sync signal M: Main sync signal S: Sub sync signal HD: Component sync signal IC201 (Analog Signal Board)	SDA	Confirm presence of Video sync signal.	
AC power input	TIM	Not used	-	-	
Main CPU communicati	MSM	Not used	-	-	
Digital tuner	DIGI	Not used	-	-	
Main Memory	MEM	Confirm Acknowledgment I2C Lines IC7602 (Digital Signal Board)	SDA	Confirm presence of Data signal	
AV select switch	AVSW	Confirm Acknowledgment I2C Lines IC301, IC501 (Analog Signal Board)	SDA	Confirm presence of Data signal	
3 dimensions YC	YC	Not used	-	-	
Multi sound process	AIO	Not used	-	-	
RF Tuner	TUN	Confirm Acknowledgment I2C Lines TU3001 (Receiver Board)	SDA	Confirm presence of Data signal No reply of ACK signal an error will count	
Ghost reduction	GCR		-	-	
DIST process	IP	Confirm Acknowledgment I2C Lines	SDA	Confirm presence of Data signal No reply of ACK signal an error will count	
RGB process	RGB	Confirm Acknowledgment I2C Lines IC3001 (Digital Signal Board)	SDA	Confirm presence of Data signal No reply of ACK signal an error will count	
DVI (Digital commun)	DVI	Not used	-	-	
Digital Input	HDMI	Confirm Acknowledgment I2C Lines	SDA	Confirm presence of Data signal	

PAGE 2					
Detection Item	Display	Detection Content	Signal	Detection Timing	
Fan lock	FAN	Not used	-	-	
Abnormal panel op	ALM	Not used	-	-	
Panel temperature rise	TMP	Not used	-	-	
Panel temperature rise	ATP	Not used	-	-	
Audio short detection	ASH	Not used	-	-	
Panel communication	PNL	Not used	-	-	
Sub memory	MEM	Not used	-	-	
Temp sensor	TMP	Not used	-	-	
Audio control	AIO	Confirm Acknowledgment I2C Lines IC6521 (Analog Signal Board)	SDA	Confirm presence of Data signal No reply of ACK signal an error will count	

TUNER INFORMATION

TU3001 Terminal Guide



TU3001 TUNER

PIN	Description	Voltage
1	NC	-
2	NC	-
3	BM	5.0V
4	NC	-
5	SW1	5.0V
6	SW2	0V
7	BT	2.4V
8	RF AGC	1.9V
9	NC	-
10	SCL	5.0V
11	SDA	5.0V
12	AFT	2.8V
13	Audio Out	2.1V
14	SIF-OUT	2.0V
15	BTL	32.0V
16	IF OUT	.8V
17	Video Out	1.5V
18	GND	0V
19	GND	0V
20	GND	0V
21	GND	0V

SCHEMATIC COMPONENT LOCATION GUIDE

C9001	A2	C9810	A31	D9505	B12	L9201	A6	R9221	C7	R9646	B18
C9002	A3	C9821	B27	D9507	A12	L9201	D5	R9222	B7	R9648	C19
C9011	A3	C9822	C27	D9508	C12	L9202	A6	R9223	B7	R9657	C19
C9013	A2	C9823	C28	D9509	C12	L9505	A22	R9224	B7	R9658	D21
C9101	E3	C9825	C27	D9512	D11	L9541	B17	R9225	A8	R9659	D21
C9102	E3	C9826	B29	D9514	C11	L9542	C19	R9226	B8	R9660	C22
C9103	E3	C9827	B27	D9515	C11	L9802	A29	R9227	B8	R9661	C18
C9111	E4	C9830	C27	D9542	A15	L9822	B29	R9228	C3	R9804	A27
C9141	E5	C9831	B29	D9543	A15	L9823	C27	R9229	C6	R9805	B29
C9142	E6	C9843	E27	D9546	B15	L9842	E29	R9236	B8	R9806	B29
C9143	E7	C9844	E28	D9609	D22	L9862	C29	R9237	C4	R9807	B29
C9197	E3	C9845	E27	D9802	A29	L9902	D21	R9238	C6	R9808	A30
C9198	B4	C9846	E29	D9803	A31	L9903	B20	R9239	C6	R9809	A30
C9201	A5	C9847	E27	D9805	A29	L9904	D20	R9253	C2	R9810	A30
C9203	A4	C9848	E29	D9822	B29	LF9001	A2	R9254	D3	R9822	C27
C9204	A5	C9861	C27	D9823	B29	LF9002	A2	R9255	D3	R9823	C27
C9205	A4	C9862	D27	D9824	B31	LF9003	A3	R9256	D2	R9824	B27
C9211	A6	C9864	C28	D9825	B28	P1	A1	R9257	D2	R9825	C29
C9212	B5	C9865	D27	D9842	E29	PC9541	E14	R9301	D17	R9826	C28
C9213	D5	C9866	C29	D9843	D29	PC9542	D13	R9302	D17	R9827	C29
C9214	C6	C9867	D27	D9861	D27	Q9021	E7	R9501	A10	R9828	B30
C9215	C4	C9868	C29	D9862	D29	Q9211	C7	R9502	A10	R9829	B30
C9216	A8	C9881	D30	D9863	D29	Q9212	C2	R9503	B10	R9830	B31
C9218	C2	C9882	D31	D9864	D28	Q9213	C4	R9504	B10	R9841	E27
C9219	A7	C9883	C31	D9881	D31	Q9215	C3	R9505	B10	R9844	E28
C9221	B6	C9884	C30	D9882	C32	Q9216	D2	R9506	B10	R9845	E27
C9251	C2	C9902	D19	D9901	D19	Q9251	C3	R9507	B10	R9846	E29
C9252	D2	C9903	E21	D9902	E22	Q9252	D3	R9508	D10	R9847	E29
C9301	C15	C9904	E20	D9903	D20	Q9501	B11	R9509	D10	R9848	E28
C9302	D15	C9907	E18	D9905	A16	Q9502	A11	R9510	D9	R9862	D27
C9501	C10	C9908	A16	D9906	D21	Q9503	C9	R9511	D9	R9863	D27
C9502	D9	C9909	A19	D9907	A19	Q9504	A12	R9512	D9	R9864	D28
C9503	D9	C9912	D22	D9908	A19	Q9506	E12	R9513	D9	R9865	D27
C9504	D10	C9913	D18	D9909	A16	Q9541	D13	R9514	B12	R9866	D29
C9505	D10	C9914	A16	F9001	A1	Q9602	D21	R9515	C12	R9867	D28
C9506	C10	C9917	D20	IC9141	E6	Q9603	D21	R9516	A13	R9868	D29
C9507	C9	CP9121	E4	IC9211	C5	Q9606	D21	R9517	C12	R9881	D30
C9508	D9	CP9211	A8	IC9501	C10	Q9801	A30	R9518	C12	R9882	C31
C9509	B11	CP9301	B15	IC9541	E15	Q9821	B30	R9519	C12	R9883	C31
C9510	B12	CP9302	B15	IC9602	B19	Q9901	E21	R9520	A10	R9884	D32
C9511	A10	D9021	E8	IC9801	A28	R9001	A1	R9521	C12	R9885	C30
C9512	B11	D9111	E3	IC9821	C28	R9021	E7	R9525	D12	R9886	C30
C9520	E13	D9201	A4	IC9841	E28	R9022	E7	R9526	E13	R9902	D20
C9541	A19	D9202	B2	IC9861	D28	R9101	E2	R9529	A12	R9903	E20
C9544	A18	D9205	B1	IC9881	C31	R9141	E5	R9541	E16	R9904	D20
C9545	A18	D9211	A7	IC9881	C31	R9142	E5	R9542	E15	R9905	A17
C9550	B19	D9213	C6	IC9901	D19	R9199	E3	R9543	D13	R9906	E21
C9551	E14	D9214	B5	K9001	A2	R9201	A4	R9543	E14	R9907	E21
C9552	D12	D9215	C6	K9111	E4	R9203	B1	R9544	E16	R9908	E22
C9563	C20	D9251	C3	K9211	A7	R9211	A6	R9545	E16	R9913	E18
C9606	B20	D9252	C2	K9212	A7	R9212	B6	R9546	D13	RY9021	A4
C9609	B20	D9253	C3	K9501	A21	R9213	B6	R9548	E16	RY9021	E8
C9610	C20	D9254	D2	K9502	A21	R9214	B5	R9562	B11	RY9201	A4
C9611	C20	D9301	B15	K9503	C21	R9215	C6	R9563	C19	RY9201	B2
C9803	A27	D9302	B15	K9504	B23	R9216	C5	R9615	C20	T9121	E5
C9804	A28	D9501	B10	K9508	A21	R9217	C5	R9616	C20	T9501	A14
C9805	A27	D9502	B10	K9509	C21	R9218	C6	R9629	D20	T9502	C14
C9806	A29	D9503	A11	K9541	D12	R9219	D5	R9631	D21	VA9001	A2
C9807	A27	D9504	A11	L9141	E6	R9220	C7	R9635	B20		

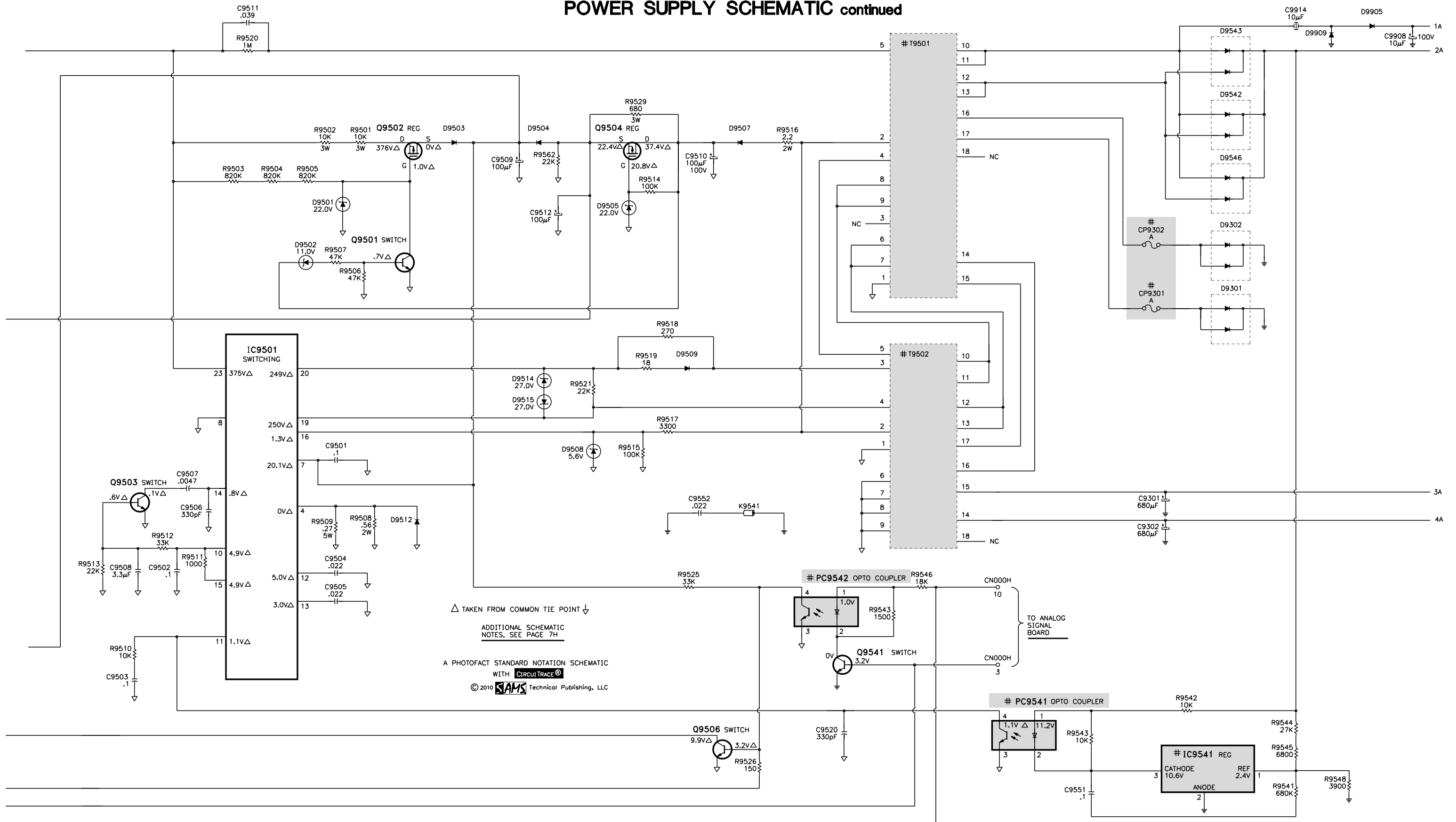
**B**



C

## POWER SUPPLY SCHEMATIC continued

D



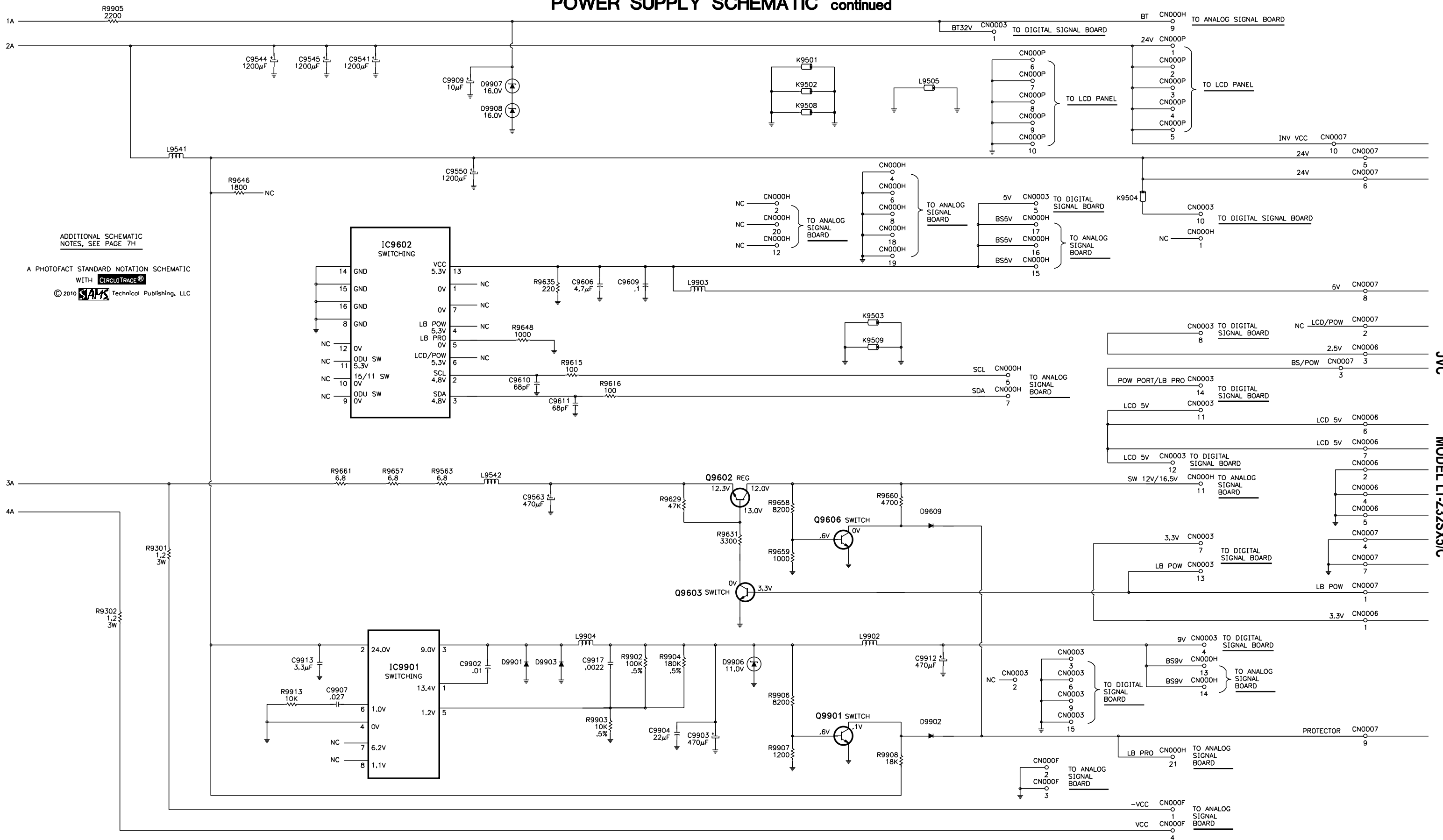
JVC

MODEL LT-Z32SX5/C

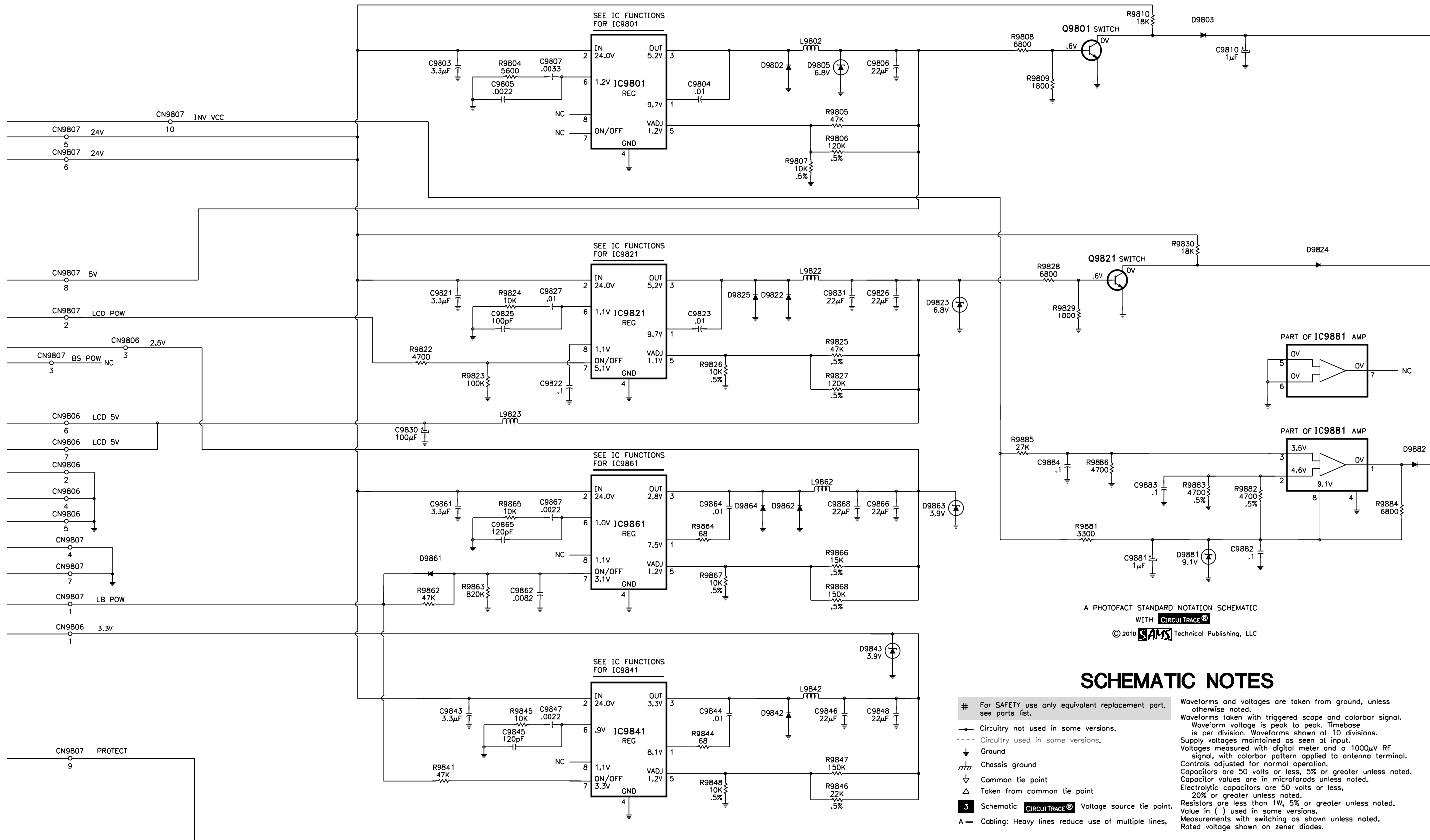
E

## POWER SUPPLY SCHEMATIC continued

F



## REGULATOR (POWER SUPPLY) SCHEMATIC



A PHOTOFACIT STANDARD NOTATION SCHEMATIC  
WITH **CIRCUITRACE®**  
© 2010 **SAMS** Technical Publishing, LLC

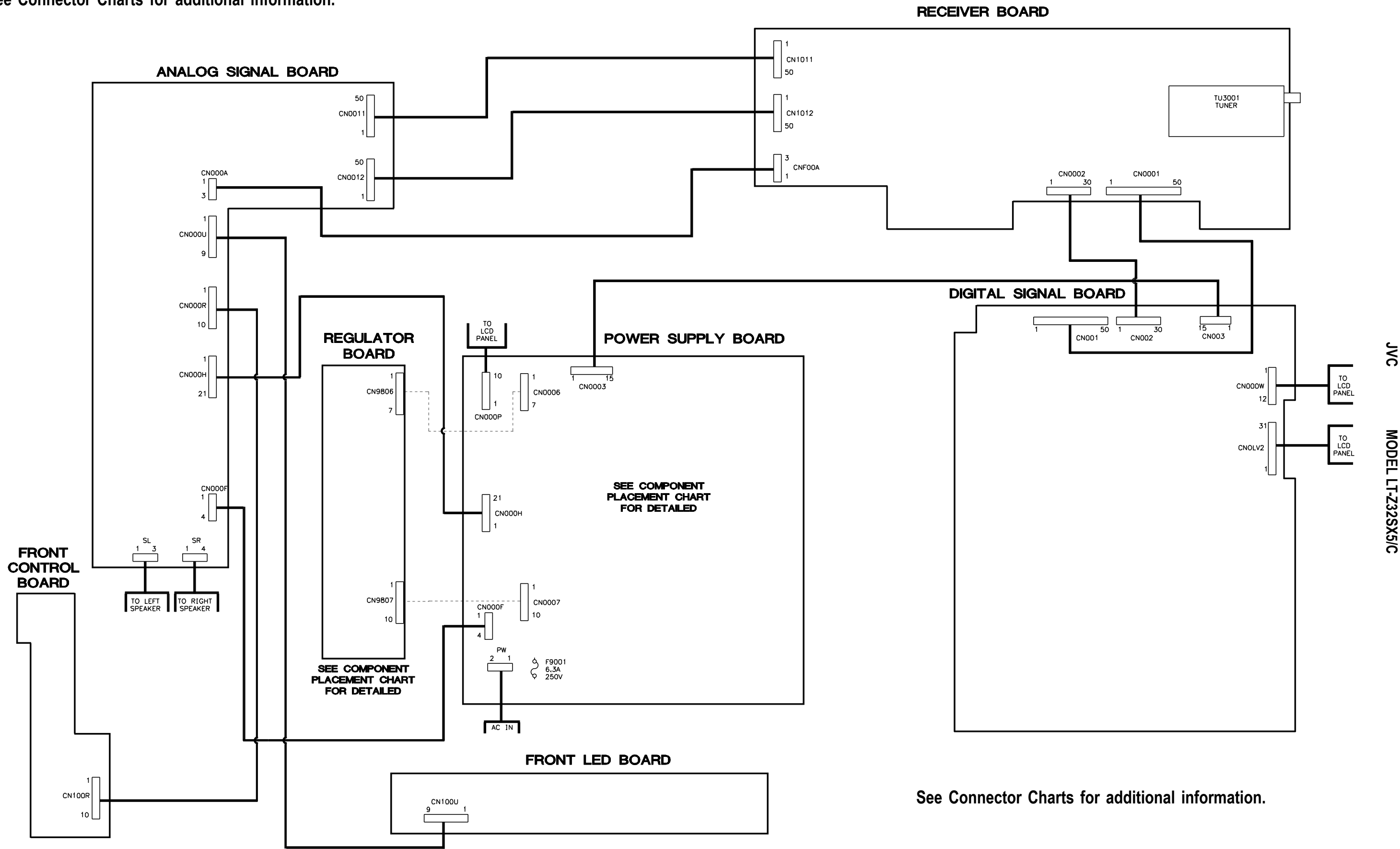
## SCHEMATIC NOTES

- # For SAFETY use only equivalent replacement part, see parts list.
- Circuitry not used in some versions.
- Circuitry used in some versions.
- ⊥ Ground
- ⏏ Chassis ground
- ▽ Common tie point
- △ Taken from common tie point
- 3 Schematic **CIRCUITRACE®** Voltage source tie point.
- A = Cabling; Heavy lines reduce use of multiple lines.

Waveforms and voltages are taken from ground, unless otherwise noted.  
Waveforms taken with triggered scope and colorbar signal. Waveform voltage is peak to peak. Timebase is per division. Waveforms shown at 10 divisions.  
Supply voltages maintained as seen at input.  
Voltages measured with digital meter and a 1000μV RF signal, with colorbar pattern applied to antenna terminal. Controls adjusted for normal operation.  
Capacitors are 50 volts or less, 5% or greater unless noted. Capacitor values are in microfarads unless noted.  
Electrolytic capacitors are 50 volts or less, 20% or greater unless noted.  
Resistors are less than 1W, 5% or greater unless noted. Value in ( ) used in some versions.  
Measurements with switching as shown unless noted. Rated voltage shown on zener diodes.

See Connector Charts for additional information.

BOARD PLACEMENT CHART



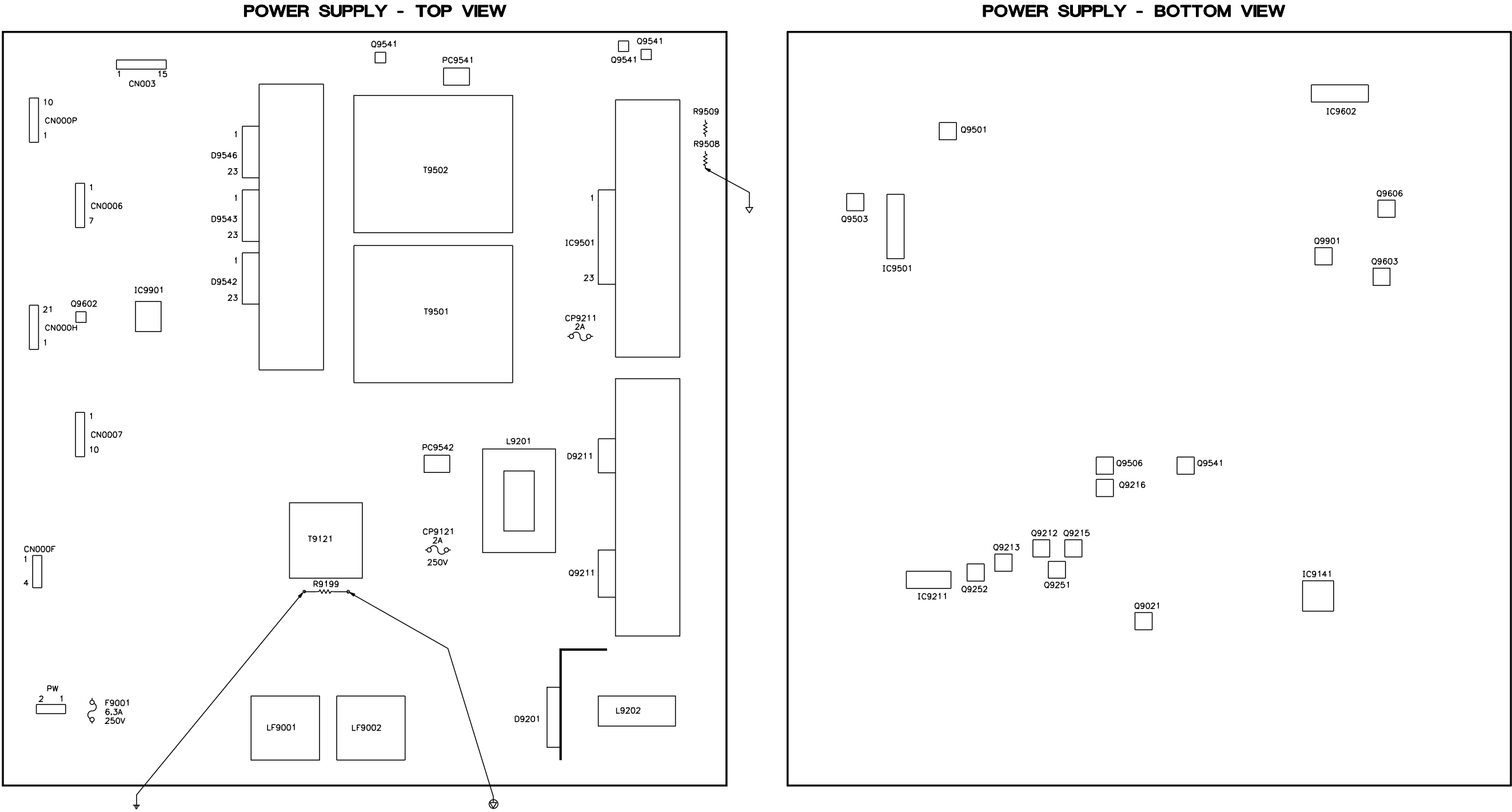
JVC

MODEL LT-Z32SX5/C

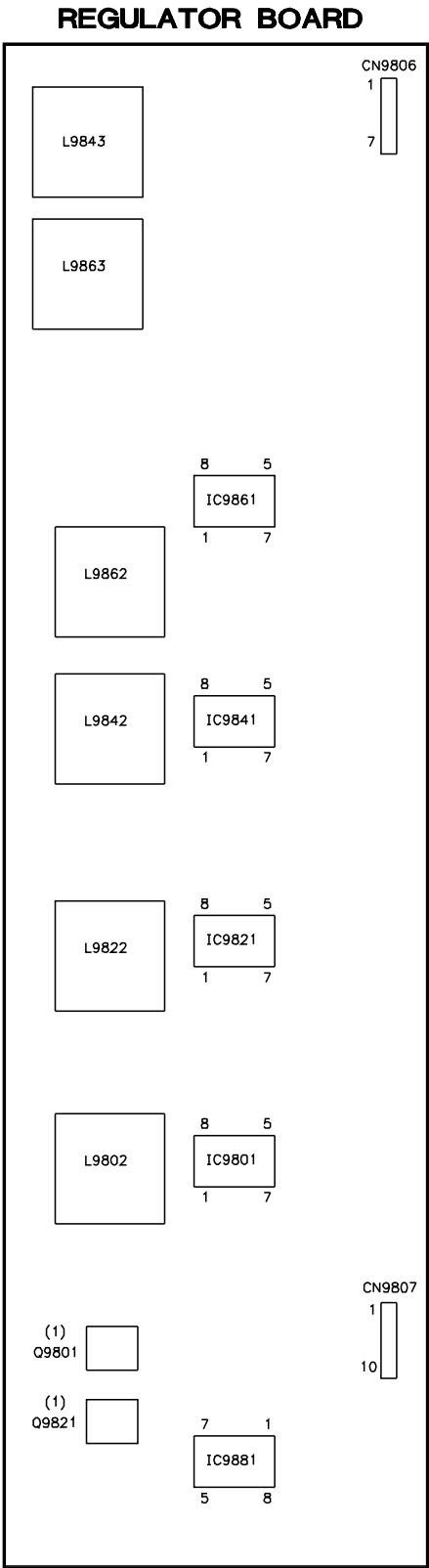


COMPONENT PLACEMENT CHART

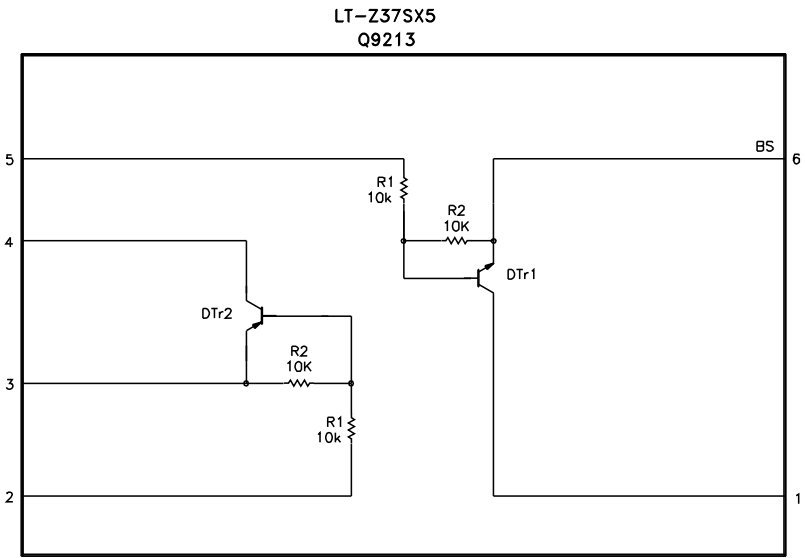
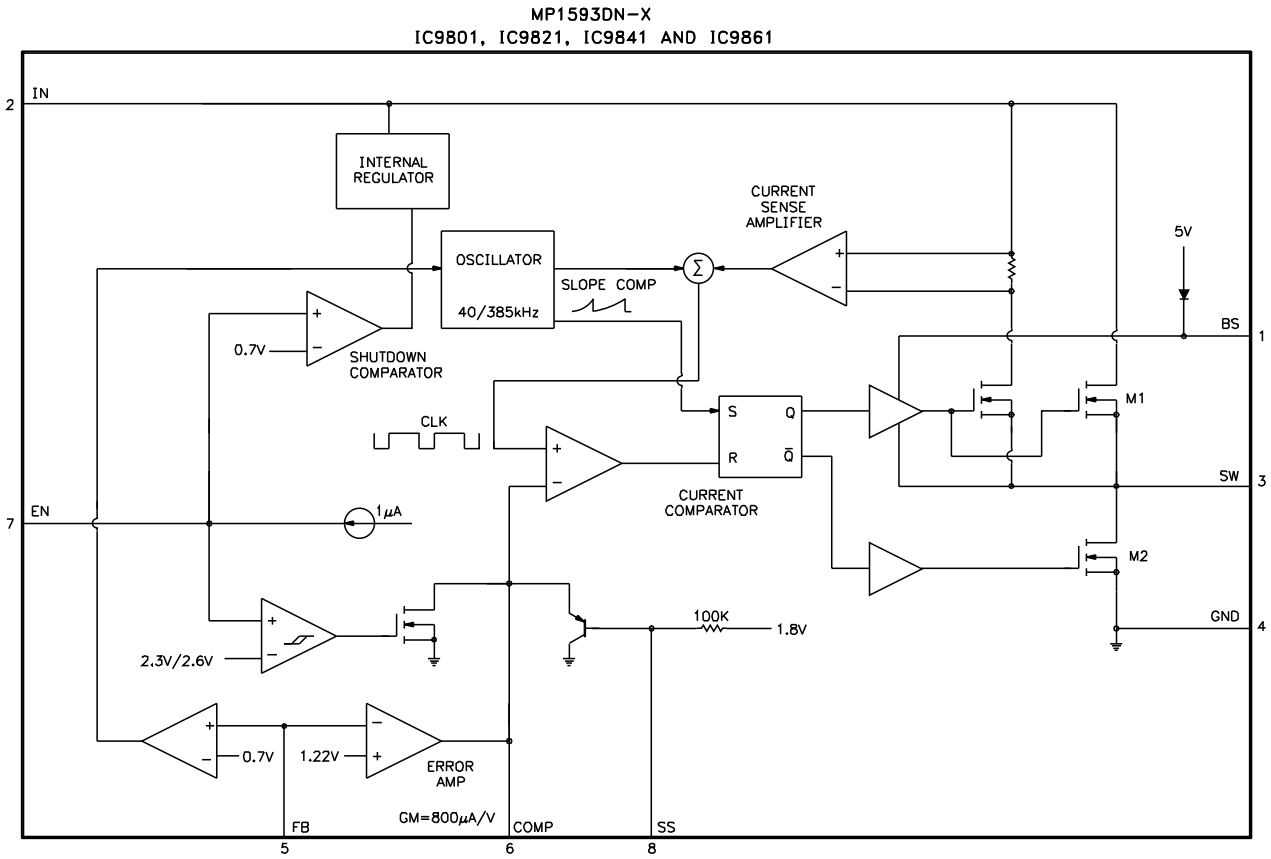
See Connector Charts for additional information.



JVC MODEL LT-Z32SX5/C



(1) LOCATED ON BOTTOM OF BOARD



See Connector Charts for additional information.

CONNECTOR VOLTAGE CHARTS

ANALOG SIGNAL BOARD										POWER SUPPLY BOARD									
CN011			CN000U			CN00SR			CN000F			CN0007			CN000P				
Do not measure			PIN	PIN ID	Voltage	PIN	PIN ID	Voltage	PIN	PIN ID	Voltage	PIN	PIN ID	Voltage	PIN	PIN ID	Voltage		
			1	5V	5.0V	1	R	0V	1	6V	6.0V	1	LB POW	2.0V	1	24V	24.0V		
CN012			2	POWER LED	3.2V	2	R GND	0V	2	GND	0V	2	LCD POW	5.0V	2	24V	24.0V		
Do not measure			3	GND	0V	3	-	-	3	GND	0V	3	BS POW	5.1V	3	24V	24.0V		
			4	DIMMED LED	3.3V	4	R GND	0V	4	GND	0V	4	GND	0V	4	24V	24.0V		
CN000H			5	STBY5V	5.0V							5	12/16V	24.0V	5	24V	24.0V		
PIN	PIN ID	Voltage	6	FUNC	0V	CN00SL			CN000H			6	12/16V	24.0V	6	GND	0V		
1	LB PRO5	0V	7	REC LED	0V	PIN	PIN ID	Voltage	PIN	PIN ID	Voltage	7	GND	0V	7	GND	0V		
2	SW5V	5.1V	8	EE CDS	0V	1	L	0V	1	LB PRO5	0V	8	5V	5.0V	8	GND	0V		
3	GND	0V	9	REMOCON	0V	2	L GND	0V	2	SW5V	5.1V	9	PROTECT	.04V	9	GND	0V		
4	GND	0V				3	L GND	0V	3	GND	0V	10	INV VCC	24.0V	10	GND	0V		
5	BS5V	5.0V							4	GND	0V	CN0006			CN0003				
6	BS5V	5.0V	PIN	PIN ID	Voltage	PIN	PIN ID	Voltage	5	BS5V	5.0V	PIN	PIN ID	Voltage	PIN	PIN ID	Voltage		
7	BS5V	5.0V	1	KEY 1	0V	1	BS ABT	32.0V	6	BS5V	5.0V	1	3.3V	3.3V	1	BT32	32.0V		
8	BS9V	9.0V	2	KEY 2	-	2	-	-	7	BS5V	5.0V	2	GND	0V	2	BS A0DU	0V		
9	BS9V	9.0V	3	MECA SW0	-	3	GND	0V	8	BS9V	9.0V	3	2.5V	2.5V	3	GND	0V		
10	UK 12V	12.0V	4	GND	0V				9	BS9V	9.0V	4	GND	0V	4	9V	9.0V		
11	SW12V	12.0V	5	5.0V	5.0V	CN000F			10	UK 12V	12.0V	5	GND	0V	5	5V	5.0V		
12	STBY5V	5.0V	6	HP L	-	PIN	PIN ID	Voltage	11	SW12V	12.0V	6	LCD5V	5.0V	6	GND	0V		
13	BT	32.0V	7	HP GND	0V	1	AU +VCC	16.0V	12	STBY5V	5.0V	7	LCD5V	5.0V	7	3.3V	3.3V		
14	GND	0V	8	HP R	-	2	GND	0V	13	BT	32.0V	See placement chart for connector location.			8	2.5V	2.5V		
15	SDA	4.8V	9	HP DET	5.0V	3	GND	0V	14	GND	0V				9	GND	0V		
16	GND	0V	10	-	-	4	AU -VCC	-16.5V	15	SDA	4.8V				10	19/12V	24.0V		
17	SCL	4.8V							16	GND	0V				11	LCD5V	5.0V		
18	GND	0V							17	SCL	4.8V				12	LCD5V	5.0V		
19	MAIN POW	3.2V							18	GND	0V				13	LB POW	2.0V		
20	AC	0V							19	MAIN POW	3.2V				14	PFC POW/LB	0V		
21	POW GOOD	0V							20	AC	0V				15	GND	0V		
									21	POW GOOD	0V								
DIGITAL SIGNAL BOARD										RECEIVER BOARD									
CN003			CN001			CN002			CN1011			CNF00A			CN0001				
PIN	PIN ID	Voltage	Do not measure			Do not measure			Do not measure			PIN	PIN ID	Voltage	Do not measure				
1	BT32	32.0V	CN0LV2			CN000W			CN1012			1	32V	32.0V	CN0002				
2	BS A0DU	0V							Do not measure			2	-	-	Do not measure				
3	GND	0V										3	GND	0V					
4	9V	9.0V																	
5	5V	5.0V																	
6	GND	0V	FRONT CONTROL BOARD					FRONT LED BOARD					REGULATOR BOARD						
7	3.3V	3.3V	PIN	PIN ID	Voltage	PIN	PIN ID	Voltage	PIN	PIN ID	Voltage	PIN	PIN ID	Voltage	PIN	PIN ID	Voltage		
8	2.5V	2.5V	1	KEY 1	0V	1	5V	5.0V	1	3.3V	3.3V	1	LB POW	2.0V	6	12/16V	24.0V		
9	GND	0V	2	KEY 2	-	2	POWER LED	3.2V	2	GND	0V	2	LCD POW	5.0V	7	GND	0V		
10	19/12V	24.0V	3	MECA SW0	-	3	GND	0V	3	2.5V	2.5V	3	BS POW	5.1V	8	5V	5.0V		
11	LCD5V	5.0V	4	GND	0V	4	DIMMED LED	3.3V	4	GND	0V	4	GND	0V	9	PROTECT	.04V		
12	LCD5V	5.0V	5	5.0V	5.0V	5	STBY5V	5.0V	5	GND	0V	5	12/16V	24.0V	10	INV VCC	24.0V		
13	LB POW	2.0V	6	HP L	-	6	FUNC	0V	6	LCD5V	5.0V								
14	PFC POW/LB	0V	7	HP GND	0V	7	REC LED	0V	7	LCD5V	5.0V								
15	GND	0V	8	HP R	-	8	EE CDS	0V											
			9	HP DET	5.0V	9	REMOCON	0V											
			10	-	-														
										Important Parts Information									
										■ Parts not listed in the parts list are commonly available at your local electronics parts retailer.									

JVC

MODEL LT-Z32SX5/C

See placement chart for connector location.

See placement chart for connector location.

Important Parts Information

■ Parts not listed in the parts list are commonly available at your local electronics parts retailer.

■ The parts listed here are those not usually available from a well-stocked supply cabinet or bin.

■ On the parts lists, safety items are marked with a # to remind you that only exact replacements are recommended for these items.

■ When ordering parts, state the model number, part number, and description.

PARTS LIST

Item No.	Type No.	Mfr. Part No.	Notes
D9021	-	MA1111-X	-
D9111	-	S1WB/A/60-4101	BRIDGE
# D9201	-	D25XB60	BRIDGE
D9202	-	MA1111-X	-
D9205	-	MA3082/M/-X	-
D9211	-	YG972S6R	-
D9213, 14	-	MA1111-X	-
D9215	-	D1FL20U-X	-
D9251	-	MA3100/M/-X	-
D9252, 53	-	MA1111-X	-
D9254	-	D1FL20U-X	-
D9301, 02	-	FME-220A	-
D9501	-	MA8220/M/-X	-
D9502	-	MA8110/M/-X	-
D9503, 04	-	D1FL20U-X	-
D9505	-	MA8220/M/-X	-
D9507	-	D1FL20U-X	-
D9508	-	UDZS5.6B-X	-
D9509	-	SD883-04-X	-
D9512	-	D1FS4-X	-
D9514, 15	-	PTZ27B	-
D9542, 43	-	FCH20A10	-
D9546	-	FCH20A10	-
D9609	-	MA1111-X	-
D9802	-	EC30HA04-X	-
D9803	-	MA1111-X	-
D9805	-	PTZ6.8B-X	-
D9822	-	EC30HA04-X	-
D9823	-	PTZ6.8B-X	-
D9824	-	MA1111-X	-
D9825	-	EC30HA04-X	-
D9842	-	EC30HA04-X	-
D9843	-	PTZ3.9B-X	-
D9861	-	MA1111-X	-
D9862	-	EC30HA04-X	-
D9863	-	PTZ3.9B-X	-
D9864	-	EC30HA04-X	-
D9881	-	UDZS9.1B-X	-
D9882	-	MA1111-X	-
D9901	-	EC30HA04-X	-
D9902	-	MA1111-X	-
D9903	-	EC30HA04-X	-
D9905	-	D1FL20U-X	-
D9906	-	PTZ11B-X	-
D9907, 08	-	MTZJ16B-T2	-
D9909	-	D1FL20U-X	-
IC9141	-	BA50BC0FP-X	-
# IC9211	-	FA5500AN-W	-
IC9501	-	F9222L-F219	-
# IC9541	-	UTCTL431-T	-
IC9602	-	M62320FP-X	-
IC9801	-	MP1593DN-X	-
IC9821	-	MP1593DN-X	-
IC9841	-	MP1593DN-X	-
IC9861	-	MP1593DN-X	-
IC9881	-	LM393DR-X	-
IC9901	-	MP1593DN-X	-
# PC9541, 42	-	PS2581AL2/QW/-W	Photo Coupler
Q9021	-	2SC3928A/QR/-X	-
Q9211	-	2SK3522-01-F1	MOS-FET
Q9212	-	2SD601A/QR/-X	-
Q9213	-	IMD3A-W	Dual Digital Transistor
Q9215	-	2SD601A/QR/-X	-
Q9216	-	UN2212-X	Digital Transistor
Q9251	-	UN2213-X	Digital Transistor
Q9252	-	UN2212-X	Digital Transistor
Q9501	-	2SD601A/QR/-X	-
Q9502	-	2SK2865-X	MOS-FET
Q9503	-	2SD601A/QR/-X	-
Q9504	-	2SK2018-01S-W	MOS-FET
Q9506	-	UN2213-X	Digital Transistor
Q9541	-	UN2212-X	Digital Transistor
Q9602	-	2SB1188/QR/-W	-
Q9603	-	UN2212-X	Digital Transistor
Q9606	-	2SC3928A/QR/-X	-
Q9801	-	2SC3928A/QR/-X	-
Q9821	-	2SC3928A/QR/-X	-
Q9901	-	2SD601A/QR/-X	-

Item No.	Function/Rating	Mfr. Part No.	Notes
# C9001, 02	1µF 250VAC	QFZ9072-105	-
# C9011, 13	.001 400VAC	QCZ9071-102	-
# C9101, 02, 03	.047 250VAC	QFZ9082-472Z	-
# C9197, 98	.001 400VAC	QCZ9071-102	-
# C9201, 03, 04, 05	.022 250VAC	QFZ9082-222Z	-
# CP9121	Fuse	QMFZ052-2R0-E	2AMP 250VAC
# CP9211	Fuse	QMFZ043-2R0Z-J1	2AMP 250VAC
# CP9301, 02	Fuse	QMFZ034-5R0Z-J1	5AMP 125V
# F9001	Fuse	QMF51D2-6R3-J1	6.3AMP 250VAC
IC7701	Receiver	GP1UM281QK	Remote
K9001	0 1/4W	QRN143J-0R0X	-
K9111	Ferrite Bead	NQR0499-001X	-
K9211, 12	Ferrite Bead	QQR0621-002Z	-
K9501 Thru			
K9505	Ferrite Bead	NQR0499-002X	-
K9508	0 1/10W	NRSA02J-0R0X	-
K9509	Ferrite Bead	NQR0499-002X	-
K9541	Ferrite Bead	NQR0499-001X	-
L9141	4.7µH	NQL52EN-4R7X	-
L9201	Coil	QQR1662-001	-
L9202	Coil	QQR1513-001	-
L9541	15µH	NQL71EM-150X	-
L9542	47µH	NQL52EM-470X	-
L9802	15µH	NQL98EM-150X	-
L9822	15µH	NQL71EM-150X	-
L9823	Coil	NQR0562-003X	-
L9842, 62	15µH	NQL98EM-150X	-
L9902, 03	Coil	NQR0562-003X	-
L9904	Coil	NQL63EM-470X	-
# LF9001	Line Filter	QQR1514-001	-
# LF9002	Line Filter	QQR1467-001	-
# LF9003	Line Filter	QQR1514-001	-
# P1	Power Cord	QMPR640-170-JC	-
# R9001	1M 10% 1/2W	QRZ9046-105Z	-
R9101	4.7 10% 7W	QRZ0216-4R7	-
# R9199	6.8M 10% 1/2W	QRZ9046-685Z	-
# R9201	8.2 10% 2W	QRZ9055-8R2	Fusible
R9218	18K .5% 1/16W	NRSA63D-183X	-
R9805	47K .5% 1/10W	NRVA02D-473X	-
R9220, 21	.22 5% 5W	QRM059J-R22	-
R9220	270K .5% 1/16W	NRSA63D-274X	-
R9301, 02	1.2 5% 3W	QRT03J-1R2X	-
R9501, 02	10K 5% 3W	QRL03EJ-103X	-
R9509	.27 5% 5W	QRM059J-R27	-
R9529	680 5% 3W	QRL039J-681	-
R9544	27K .5% 1/16W	NRSA63D-273X	-
R9545	6800 .5% 1/16W	NRSA63D-682X	-
R9548	3900 .5% 1/16W	NRSA63D-392X	-
R9806	120K .5% 1/16W	NRSA63D-124X	-
R9807	10K .5% 1/16W	NRSA63D-103X	-
R9825	47K .5% 1/10W	NRVA02D-473X	-
R9826	10K .5% 1/16W	NRSA63D-103X	-
R9827	120K .5% 1/16W	NRSA63D-124X	-
R9846	22K .5% 1/16W	NRSA63D-223X	-
R9848	10K .5% 1/16W	NRSA63D-103X	-
R9866	15K .5% 1/16W	NRSA63D-153X	-
R9867	10K .5% 1/16W	NRSA63D-103X	-
R9868	150K .5% 1/16W	NRSA63D-154X	-
R9882, 83	4700 .5% 1/16W	NRSA63D-472X	-
R9885	27K .5% 1/16W	NRSA63D-273X	-
R9886	4700 .5% 1/16W	NRSA63D-472X	-
R9902	100K .5% 1/16W	NRSA63D-104X	-
R9903	10K .5% 1/16W	NRSA63D-103X	-
R9904	180K .5% 1/16W	NRSA63D-184X	-
# RY9021	Relay	QSK0162-001	-
# RY9201	Relay	QSK0162-001	-
SP1, 2	Speaker	QAS0242-001	8 Ohms
# T9121	Power	QAL0425-002	-
# T9501, 02	Switching	QQS0347-002	-
# TU3001	Tuner	QAU0390-002	-
# VA9001	Varistor	QAF0060-621	620V
X3501	Crystal	QAX0773-001Z	18.432000MHz
	Panel	QLD0374-002	LCD
#	PC Board	LCA90537-02A	Analog Signal (SFL-1132A)
#	PC Board	LCA10557-82A	Digital Signal (SFL-0D332A)
#	PC Board	LCA90469-03A	Front Control (SFL-7112A)
#	PC Board	LCA90470-03B	Front LED (SFL-8133A)
#	PC Board	LQ0DDB5447	Inverter (4 Boards)
#	PC Board	LCA90463-11A	Power Supply (SFL-9027A)
#	PC Board	LCA90516-02A	Receiver (SFL-4131A)
#	PC Board	LCA90464-11A	Regulator (SFL-9127A)
	Transmitter	RM-C1830-IC	Remote

Use Lead Free Solder.  
# For SAFETY use only equivalent replacement part.

JVC

MODEL LT-Z32SX5JC