

SYLVANIA

SERVICE MANUAL

This service manual shows only the differences between the model SSL2006 and the original model 6620LCT. All other information is described in the service manual of the model 6620LCT.

20" COLOR LCD TELEVISION SSL2006

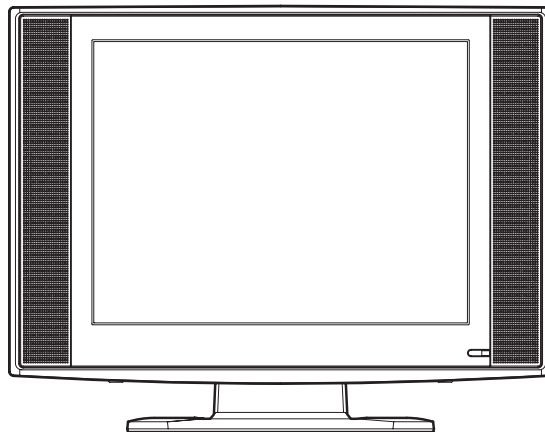
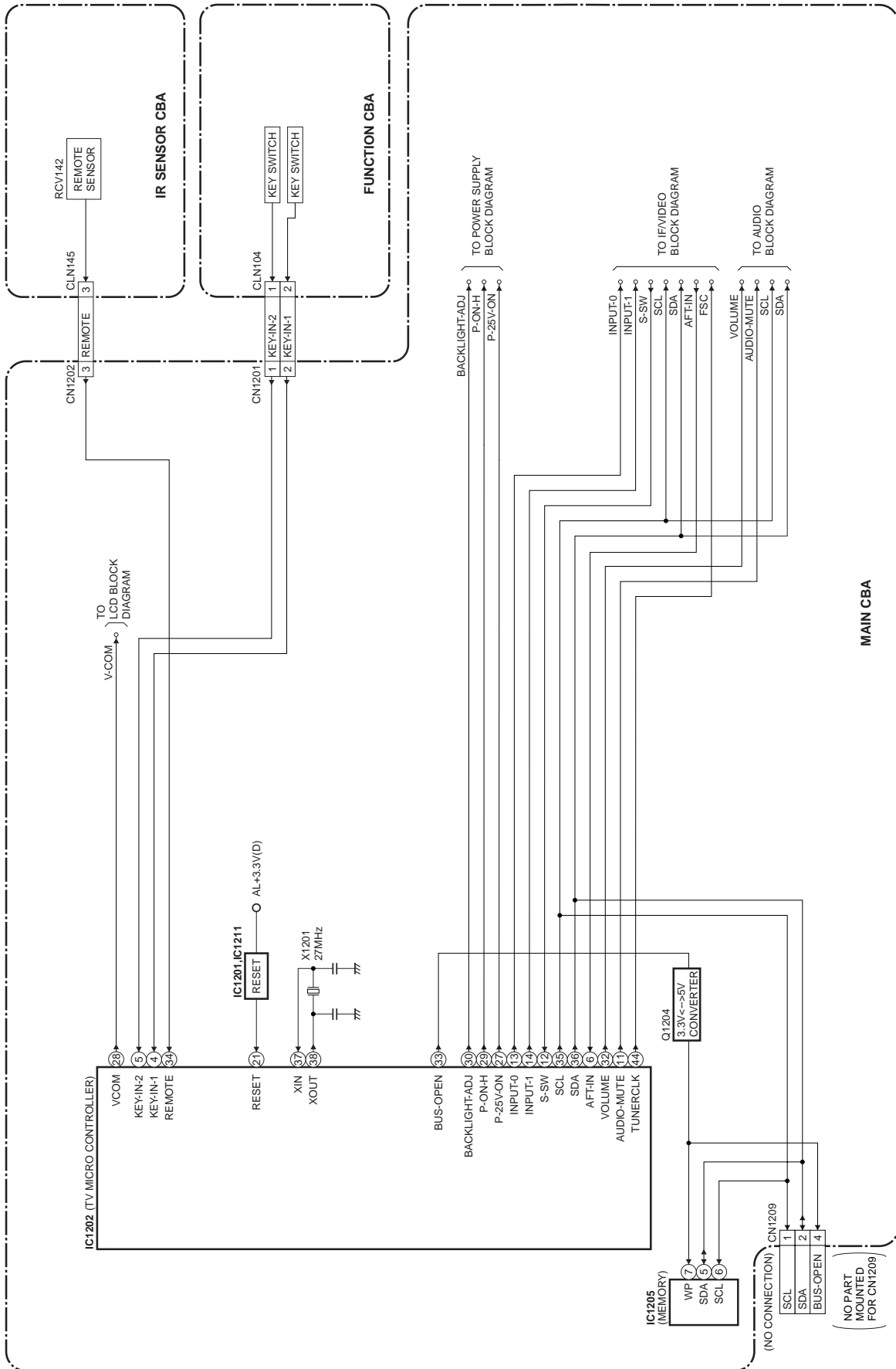


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BLOCK DIAGRAMS

System Control Block Diagram



SCHEMATIC DIAGRAMS / CBA'S AND TEST POINTS

Standard Notes

Many electrical and mechanical parts in this chassis have special characteristics. These characteristics often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the mark “▲” in the schematic diagram and the parts list. Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

Notes:

1. Do not use the part number shown on these drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since these drawings were prepared.
2. All resistance values are indicated in ohms ($K = 10^3$, $M = 10^6$).
3. Resistor wattages are 1/4W or 1/6W unless otherwise specified.
4. All capacitance values are indicated in μF ($P = 10^{-6} \mu F$).
5. All voltages are DC voltages unless otherwise specified.

Note of Capacitors:

ML --- Mylar Cap. PP --- Metallized Film Cap. SC --- Semiconductor Cap. L --- Low Leakage type

Temperature Characteristics of Capacitors are noted with the following:

B --- $\pm 10\%$ CH --- 0 ± 60 ppm/ $^{\circ}C$ CSL --- $+350 \sim 1000$ ppm/ $^{\circ}C$

Tolerance of Capacitors are noted with the following:

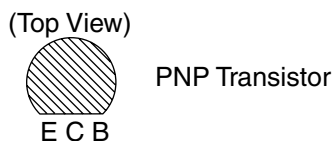
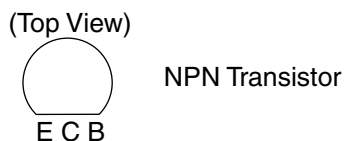
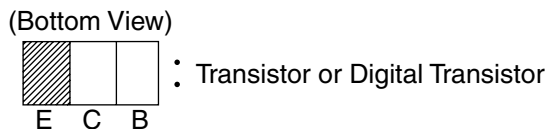
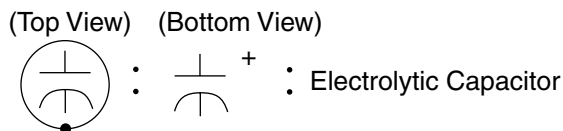
Z --- $+80 \sim 20\%$

Note of Resistors:

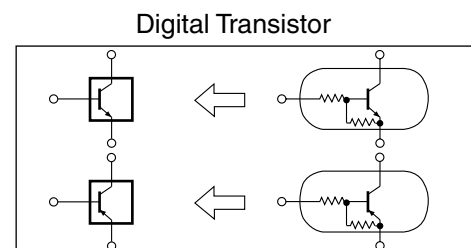
CEM --- Cement Res. MTL --- Metal Res. F --- Fuse Res.

Capacitors and transistors are represented by the following symbols.

CBA Symbols



Schematic Diagram Symbols



LIST OF CAUTION, NOTES, AND SYMBOLS USED IN THE SCHEMATIC DIAGRAMS ON THE FOLLOWING PAGES:

1. CAUTION:

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE_A,_V FUSE.

ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MÊME TYPE DE_A,_V.

2. CAUTION:

Fixed Voltage (or Auto voltage selectable) power supply circuit is used in this unit.

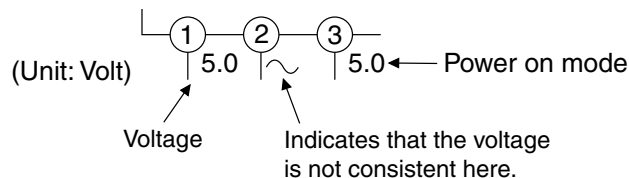
If Main Fuse (F601) is blown, first check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

3. Note:

- Do not use the part number shown on the drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since the drawings were prepared.
- To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

4. Voltage indications on the schematics are as shown below:

Plug the TV power cord into a standard AC outlet.:

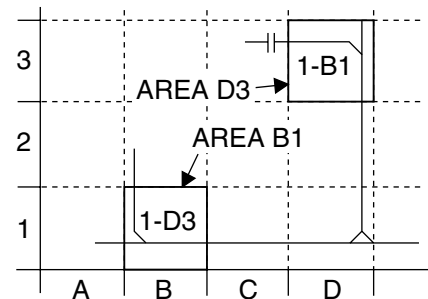


5. How to read converged lines

1-D3
 ↑ Distinction Area
 ↑ Line Number
 (1 to 3 digits)

Examples:

- "1-D3" means that line number "1" goes to the line number "1" of the area "D3".
- "1-B1" means that line number "1" goes to the line number "1" of the area "B1".



6. Test Point Information

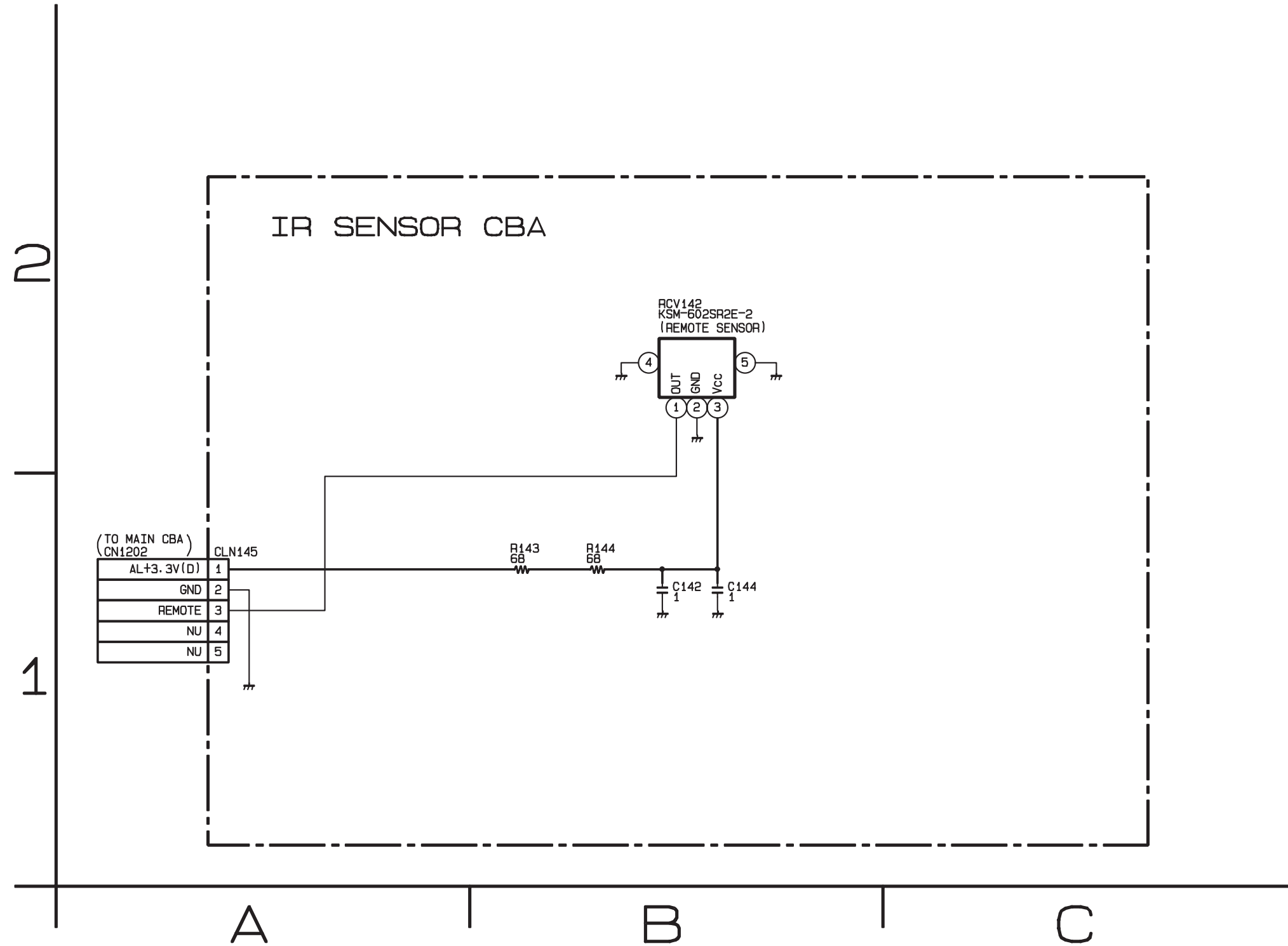
⊕ : Indicates a test point with a jumper wire across a hole in the PCB.

□→ : Used to indicate a test point with a component lead on foil side.

⊗ : Used to indicate a test point with no test pin.

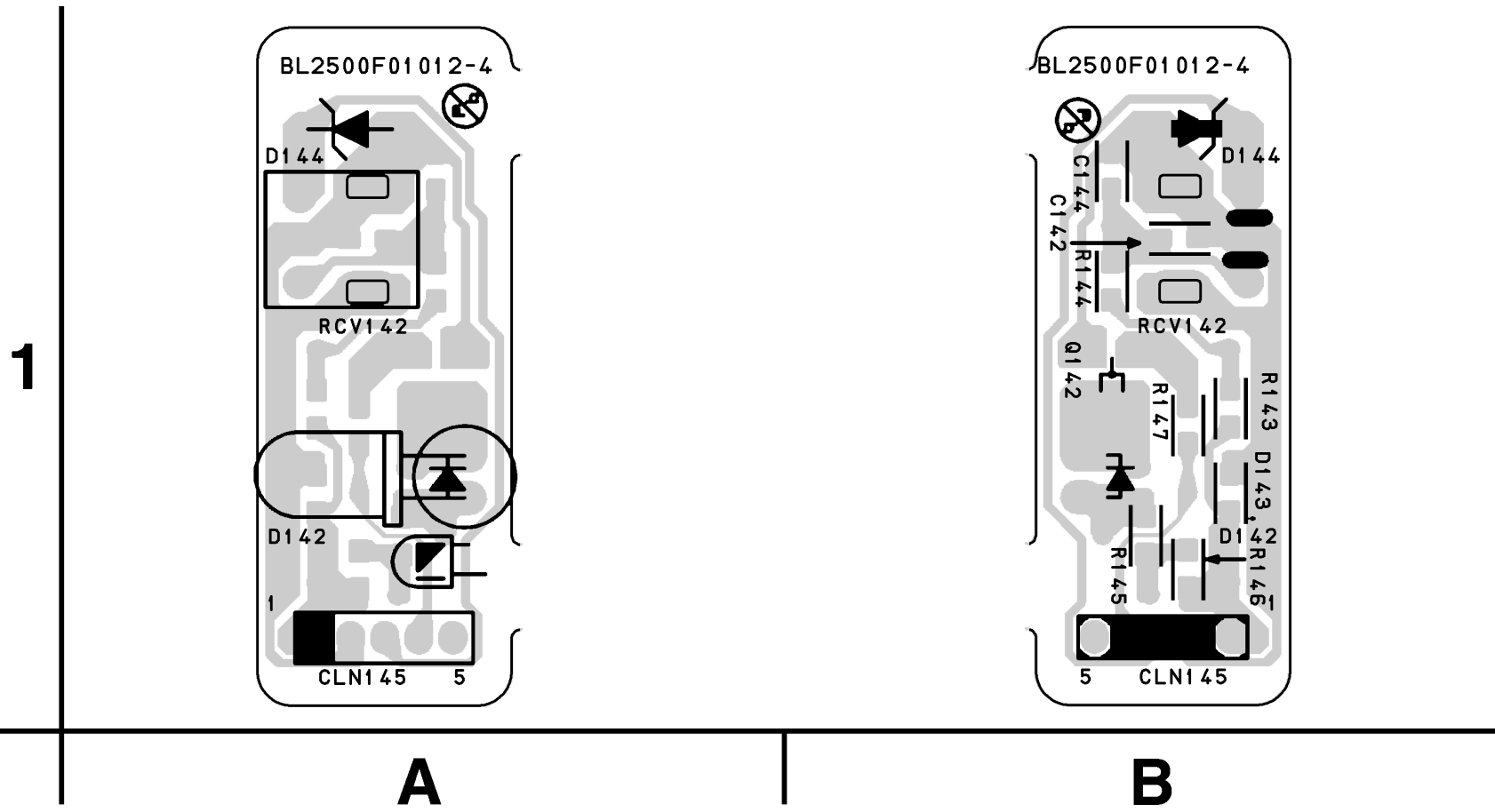
● : Used to indicate a test point with a test pin.

IR Sensor Schematic Diagram



IR Sensor CBA Top View

IR Sensor CBA Bottom View



BL2500F01012-4

Different parts from the original model (6620LCT)

Ref. No.	Description	Part No.
MECHANICAL PARTS		
A1	FRONT CABINET L2605UF	1EM021433
A6▲	RATING LABEL L2605UF	-----
A9-1	STAND COVER L2605UF	1EM221401
A18	Not Used	
B43	LED LENS L2605UF	1EM322135
S1	CARTON L2605UF	1EM423504
S2	STYROFOAM TOP L2605UF	1EM121658
S3	STYROFOAM BOTTOM L2605UF	1EM121659
X2▲	OWNERS MANUAL L2605UF	1EMN21887
X3	REMOTE CONTROL 170/ECNLC301/NE900UD	NE900UD
ELECTRICAL PARTS		
	MMA CBA	1ESA13398
	IR SENSOR CBA	-----
C102	Not Used	
C104	Not Used	
C142	CHIP CERAMIC CAP. B K 1 μ F/6.3V	CHD0KK30B105
C144	CHIP CERAMIC CAP. B K 1 μ F/6.3V	CHD0KK30B105
R123	Not Used	
R124	Not Used	
R143	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
R144	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
CLN105	Not Used	
CLN145	WIRE ASSEMBLY 5PIN SENSOR 5PIN/200MM	WX1L2600-008
RCV102	Not Used	
RCV142	REMOCON RECEIVE UNIT KSM-602SR2E-2	USESJRSKK045

