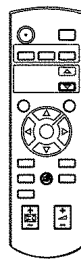
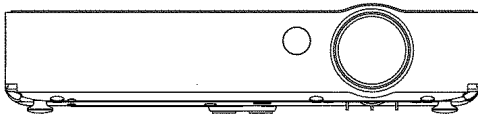


Service Manual

LCD Projector



PT-LB51NTU
PT-LB51NTE
PT-LB51NTEA
PT-LB51U
PT-LB51E
PT-LB51EA
PT-LB51SU
PT-LB51SEA



Please file and use this manual together with the service manual for Model No. PT-LB50NTU/E/EA, PT-LB50U/E/EA, PT-LB50SU/E/EA Order No. VED0603369C0.

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Specifications

Power supply: 100 V - 240 V AC, 50 Hz / 60 Hz

Power consumption:

240 W [During standby (when fan is stopped):
Approx. 4 W]

Amps: 2.8 A - 1.3 A

LCD panel:

Panel size (diagonal): 0.6 type (15.24 mm)
Aspect ratio: 4:3
Micro lens array: Available
Display method: 3 transparent LCD panels (RGB)
Drive method: Active matrix method
Pixels:
PT-LB51NT**/LB51**: 786 432 (1 024 × 768) × 3 panels
PT-LB51S**: 480 000 (800 × 600) × 3 panels

Lens:

Manual zoom (1-1.2x) / Manual focus
F 1.6 - 1.9, f 18.8 mm - 22.6 mm

Lamp: UHM lamp (165 W)

Luminosity:

2 000 lm

Scanning frequency (for RGB signals):

Horizontal scanning frequency: 15 kHz - 91 kHz
Vertical scanning frequency: 50 Hz - 85 Hz
Dot clock frequency: 100 MHz or less

COMPONENT (YPbPr) signals:

480i, 480p, 576i, 576p, 1 080/60i, 1 080/50i, 720/60p

Color system:

7 (NTSC / NTSC 4.43 / PAL / PAL-M / PAL-N / PAL60 / SECAM)

Projection size: 838.2 mm - 7 620 mm

Throw distance:

PT-LB51NT**/LB51**: 1.1 m - 11.1 m
PT-LB51S**: 1.1 m - 10.9 m

Optical axis shift: 6:1 (fixed)

Screen aspect ratio: 4:3

Installation:

FRONT / DESK, FRONT / CEILING, REAR / DESK,
REAR / CEILING (menu selection method)

Speaker: 4.0 cm × 2.0 cm oval × 1

Max. usable volume output: 1 W (monaural)

Wireless LAN (PT-LB51NT only):**

Compatible: IEEE802.11b/IEEE802.11g
(Wireless LAN standard protocol)

Wireless channel:

PT-LB51NTU:
IEEE802.11b/IEEE802.11g: 1-11 channels
PT-LB51NTE/EA:
IEEE802.11b/IEEE802.11g: 1-13 channels

Distance:

30 m Depends on the usage environment

Connectors:

COMPUTER 1 IN : Single-line, D-sub HD 15-pin (female)

During YPbPr signals input:

Y: 1.0 V [p-p] (Including sync), 75 Ω

PbPr: 0.7 V [p-p], 75 Ω

During RGB signals input:

RGB: 0.7 V [p-p], 75 Ω

G.SYNC: 1.0 V [p-p], 75 Ω

HD, VD: TTL high impedance, automatic positive/
negative polarity compatible

COMPUTER 2 IN / 1 OUT:

Single-line, D-sub HD 15-pin (female)

Selectable for input and output by menu operation.

During YPbPr signals input:

Y: 1.0 V [p-p] (Including sync), 75 Ω

PbPr: 0.7 V [p-p], 75 Ω

During RGB signals input/output:

RGB: 0.7 V [p-p], 75 Ω

G.SYNC: 1.0 V [p-p], 75 Ω

HD, VD: TTL high impedance, automatic positive/
negative polarity compatible

VIDEO IN: Single-line, RCA pin jack

1.0 V [p-p], 75 Ω

S-VIDEO IN: Single-line, Mini DIN 4-pin

Y 1.0 V [p-p], C 0.286 V [p-p], 75 Ω,

AUDIO IN: Single-Line, RCA pin jack × 2 (L-R)

0.5 V [rms]

COMPUTER AUDIO IN:

Single-Line, M3 jack (Stereo MINI)

0.5 V [rms]

VARIABLE AUDIO OUT:

Single-Line, M3 jack (Stereo MINI)

0.5 V [rms]

(Monitor output/stereo compatible)

0 V [rms] - 2.0 V [rms] (variable)

SERIAL: DIN 8-pin RS-232C compatible

Cabinet: Molded plastic (PC+ABS)

Dimensions:

Width: 297 mm

Height: 57 mm (Not including the projection parts)

Length: 210 mm

Weight:

PT-LB51NT**: 1.9 kg

PT-LB51**/LB51S**: 1.8 kg

Operating environment:

Temperature: 0° C - 40° C

(When the "HIGHLAND" is set to "ON" 0° C - 35° C)

Humidity: 20 % - 80 % (no condensation)

Certifications:

PT-LB51NTU, LB51U, LB51SU:

UL60950, C-UL, FCC Class B

PT-LB51NTE/EA, LB51E/EA, LB51SE/EA:

EN60950, EN55022, EN61000-3-2,

EN61000-3-3, EN55024

< Remote control unit >

Power supply: 3 V DC (AA battery × 2)

Operating range:

Approx. 15 m

(when operated directly in front of signal receptor)

Dimensions: Width: 48 mm

Height: 24.5 mm

Length: 163 mm

Weight: 117 g (including battery)

Accessories:

Remote control unit

PT-LB51NT** (N2QAYB000169): 1

PT-LB51**, LB51S** (N2QAYB000172): 1

AA batteries for remote control unit (x2): 1

Power cord:

PT-LB51NTU/LB51U/LB51SU: 1

TXFSX02QHRZ

PT-LB51NTE/LB51E/LB51SE: 1

TXFSX02QHUZ (continental)

PT-LB51NTEA/LB51EA/LB51SEA: 1

TXFSX02QHYZ (U.K)

TXFSX02QHUZ

RGB signal cable [K1HA15DA0002 (1.8 m)]: 1

CD-ROM (TQBH9009) (PT-LB51NT** only): 1

Carrying bag (TPEP018): 1

Options:

Ceiling bracket: ET-PKB50

Wireless remote control unit: ET-RM300

Serial adapter (DIN 8-pin/D-sub 9-pin): ET-ADSER

• Specifications are subject to change without notice.

• Weight and dimensions shown are approximate.

2 Points of difference between LB50NT**/LB50**/LB50S** and LB51NT**/LB51**/LB51S**

2.1. Replacement Parts List

2.1.1. PT-LB51NTU

Ref. No.	Part Name & Description	PT-LB50NTU (Base Model)		PT-LB51NTU		Remarks
		Part No.	Pcs	Part No.	Pcs	
[MECHANICAL PARTS]						
	FERRITE CORE	-		J0KG00000046	1	
12	REMOTE CONTROLLER	N2QAYA000001	1	N2QAYB000169	1	
13	LAN MODULE	N5HZZ0000042	1	-		△
18	LOGO BADGE	TBMA191	1	TBMA241	1	NT
	MODEL NAME PLATE	TBMG174-1	1	TBMG679	1	
	MODEL NO. LABEL	TBMG183	1	-		
19	CONTROLL BUTTON A	TBXA48901	1	TBXA48902	1	
33	REMOTE RECEIVER PLATE	TKKC5243	1	TKKC5253	1	
	SHIELD SHEET	TMKY028	1	-		
	PCB-A SHIELD	-		TMKY350	1	
61	CARTON	TPCB94302	1	TPCC26902A	1	
67	PASSWORD SHEET	TQBH7017	1	TQBH7032	1	
66	INSTRUCTION BOOK	TQBJ0192-2	1	TQBJ0228-1	1	△
	HIGH GROUND SHEET	-		TQBJ7008	1	
	GUARANTEE CARD (USA)	TQDJ18028	1	TQDJ18028-1	1	
68	INSTALL GUIDE	TQDJ19029-1	1	-		UK/SPAIN
69	CD-ROM	TXFQH01VKB9D	1	TXFQB02QEXZF	1	△
2-1	POWER CORD	K2CG3DR00006	1	-		△
	POWER CORD & FERRITE CORE	-		TXFSX02QHRZ	1	△
	POLY BAG	XZBT6532	1	XZBT6506	1	
57	UPPER COVER	TXFKF99QCBZ	1	TXFKF99QHRZ	1	
58	BOTTOM COVER	TXFKF98QCBZ	1	TXFKF98QHRZ	1	
[INTEGRATED CIRCUIT]						
IC1011	I.C	TVRP607-1	1	TVRP671	1	
IC1802	I.C	TVRN743-3	1	TVRP608	1	
[COILS]						
L1043	EMI FILTER	J0JJC0000022	1	-		
L1046	EMI FILTER	J0JJC0000022	1	J0JJC0000168	1	
FL1001	FILTER	J0HABB000014	1	J0HAYY000046	1	
FL1002	FILTER	J0HABB000014	1	J0HAYY000046	1	
FL1010	FILTER	-		J0HAAB000036	1	
FL1011	FILTER	-		J0HAAB000036	1	

Ref. No.	Part Name & Description	PT-LB50NTU (Base Model)		PT-LB51NTU		Remarks
		Part No.	Pcs	Part No.	Pcs	
FL1012	FILTER	-		J0HAAB000036	1	
FL1013	FILTER	-		J0HAAB000036	1	
FL1014	FILTER	-		J0HAAB000036	1	
FL1015	FILTER	-		J0HAAB000036	1	
FL1016	FILTER	-		J0JYD0000020	1	
FL1017	FILTER	-		F1J1E1040022	1	
FL1018	FILTER	-		J0JYD0000020	1	
[RESISTORS]						
R1042	M 56 OHM, J, 1/16W	ERJ3GEYJ560	1	-		
R1042	M 10 OHM, J, 1/16W	-		ERJ3GEYJ100	1	
R1043	M 56 OHM, J, 1/16W	ERJ3GEYJ560	1	-		
R1043	M 10 OHM, J, 1/16W	-		ERJ3GEYJ100	1	
R1272	M 1K OHM, 0.063W	ERJ2GEJ102	1	-		
R1340	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1357	M 10 OHM, J, 1/10W	ERJ6GEYJ100	1	-		
R1360	M 10 OHM, J, 1/10W	ERJ6GEYJ100	1	-		
R1390	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1391	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1392	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1402	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1403	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1404	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1405	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1578	M 56 OHM, 0.063W	ERJ2GEJ560	1	-		
R1578	M 75 OHM, 0.063W	-		ERJ2GEJ750	1	
R1667	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1674	M 10 OHM, J, 1/10W	ERJ6GEYJ100	1	-		
R1712	RESISTOR	EXB2HV220JV	1	-		
R1713	RESISTOR	EXB2HV220JV	1	-		
R1714	RESISTOR ARRAY	EXB28V220J	1	-		
R1715	RESISTOR	EXB2HV220JV	1	-		
R1716	RESISTOR ARRAY	EXB28V220J	1	-		
R1717	RESISTOR	EXB2HV220JV	1	-		
R1718	M 22 OHM, 0.063W	ERJ2GEJ220	1	-		
R1719	RESISTOR ARRAY	EXB28V220J	1	-		
R1720	RESISTOR	EXB2HV220JV	1	-		
[CAPACITORS]						
C1169	C 1000PF, 50V	-		ECJOEB1H102K	1	
C1174	C 1000PF, 50V	-		ECJOEB1H102K	1	
C1180	C 1000PF, 50V	-		ECJOEB1H102K	1	
C1181	C 1000PF, 50V	-		ECJOEB1H102K	1	
[OTHERS]						
RTL	CIRCUIT BOARD WL	TNPA4323AB	1	TNPA4323	1	△
RTL	CIRCUIT BOARD G	TNPA4329	1	TNPA4329AB	1	△
RTL	CIRCUIT BOARD A	TXANP01QCCZ	1	TXANP01QHRZ	1	△
	BALLAST UNIT ASSY	TXANP04VKB9	1	TXANPBQQHRZ	1	△

2.1.2. PT-LB51NTE

Ref. No.	Part Name & Description	PT-LB50NTE (Base Model)		PT-LB51NTE		Remarks
		Part No.	Pcs	Part No.	Pcs	
[MECHANICAL PARTS]						
	FERRITE CORE	-		J0KG00000046	1	
12	REMOTE CONTROLLER	N2QAYA000001	1	N2QAYB000169	1	
18	LOGO BADGE	TBMA191	1	TBMA241	1	NT
	MODEL NAME PLATE	TBMG175-1	1	TBMG680	1	
	MODEL NO. LABEL	TBMG184	1	-		
19	CONTROL BUTTON A	TBXA48901	1	TBXA48902	1	
33	REMOTE RECEIVER PLATE	TKKC5243	1	TKKC5253	1	
	SHIELD SHEET	TMKY028	1	-		
	PCB-A SHIELD	-		TMKY350	1	
61	CARTON	TPCB94303B	1	TPCC26903A	1	
67	PASSWORD SHEET	TQBH7017	1	TQBH7032	1	
66	INSTRUCTION BOOK	TQBJ0194	1	TQBJ0229-1	1	△

Ref. No.	Part Name & Description	PT-LB50NTE (Base Model)		PT-LB51NTE		Remarks
		Part No.	Pcs	Part No.	Pcs	
	VISTA SHEET	TQDH19025	1	-		JAPAN/ENGLISH
68	INSTALL GUIDE	TQDJ19030-1	1	-		GERMAN/ITALIAN
	INSTALL GUIDE	TQDJ19031-1	1	-		FRENCH/SPANISH
	INSTALL GUIDE	TQDJ19032-1	1	-		ENGLISH/KOREA
	VISTA SHEET	TQDJ19056	1	-		FRENCH/SPANISH
	VISTA SHEET	TQDJ19057	1	-		GERMAN/ITALIAN
	R+TTE SHEET	TQDJ19067	1	-		
	SHEET	TQDJ19069	1	-		
	NEW EMC SHEET	TQDJ19072	1	-		
	QUICK GUIDE (WIN)	-		TQDJ19079	1	ENG/KOREA
	QUICK GUIDE (WIN)	-		TQDJ19080	1	GER/ITA
	QUICK GUIDE (WIN)	-		TQDJ19081	1	FRA/SPA
	QUICK GUIDE (MAC)	-		TQDJ19083	1	ENG/KOREA
	QUICK GUIDE (MAC)	-		TQDJ19084	1	GER/ITA
	QUICK GUIDE (MAC)	-		TQDJ19085	1	FRA/SPA
69	CD-ROM ASSY	TXFQH01VKB9D	1	TXFQB02QEXZF	1	
2-2	POWER CORD	K2CM3DR00002	1	-		△
	POWER CORD & FERRITE CORE	-		TXFSX02QHUZ	1	△
	POLY BAG	XZBT6532	1	XZBT6506	1	
57	UPPER COVER	TXFKF99QCCZ	1	TXFKF99QHRZ	1	
58	BOTTOM COVER	TXFKF98QCCZ	1	TXFKF99QHUZ	1	
[INTEGRATED CIRCUIT]						
IC1011	I.C	TVRP607-1	1	TVRP671	1	
IC1802	I.C	TVRN743-3	1	TVRP608	1	
[OTHERS]						
RTL	CIRCUIT BOARD WL	TNPA4323AB	1	TNPA4323	1	△
RTL	CIRCUIT BOARD A	TXANP01VKB9A	1	TXANP01QHRZ	1	△
	BALLAST UNIT ASSY	TXANP04VKB9	1	TXANPBQHRZ	1	△

2.1.3. PT-LB51NTEA

Ref. No.	Part Name & Description	PT-LB50NTEA (Base Model)		PT-LB51NTEA		Remarks
		Part No.	Pcs	Part No.	Pcs	
[MECHANICAL PARTS]						
	FERRITE CORE	-		J0KG00000046	2	
12	REMOTE CONTROLLER	N2QAYA000001	1	N2QAYB000169	1	
18	LOGO BADGE	TBMA191	1	TBMA241	1	NT
	MODEL NAME PLATE	TBMG176-3	1	TBMG681	1	
	MODEL NO. LABEL	TBMG185	1	-		
19	CONTROL BUTTON A	TBXA48901	1	TBXA48902	1	
33	REMOTE RECEIVER PLATE	TKKC5243	1	TKKC5253	1	
	SHIELD SHEET	TMKY028	1	-		
	PCB-A SHIELD	-		TMKY350	1	
61	CARTON	TPCB94304A	1	TPCC26904A	1	
67	PASSWORD SHEET	TQBH7017	1	TQBH7032	1	
66	INSTRUCTION BOOK	TQBJ0196	1	TQBJ0230	1	△
	VISTA SHEET	TQDH19025	1	-		JAPAN/ENGLISH
	POWER CORE SHEET	-		TQDH19039	1	
68	INSTALL GUIDE	TQDJ19032-1	1	-		ENGLISH/KOREA
	VISTA SHEET	TQDJ19058	1	-		KOREAN/CHINESE
	VISTA SHEET	TQDJ19057	1	-		GERMAN/ITALIAN
	R+TTE SHEET	TQDJ19067	1	-		
	SHEET	TQDJ19069	1	-		
	NEW EMC SHEET	TQDJ19072	1	-		
	QUICK GUIDE (WIN)	-		TQDJ19079	1	ENG/KOREA
	QUICK GUIDE (MAC)	-		TQDJ19083	1	ENG/KOREA
69	CD-ROM ASSY	TXFQH01VKB9D	1	TXFQB02QEXZF	1	
2-2	POWER CORD (EUROPE)	K2CM3DR00002	1	-		△
2-3	POWER CORD (UK)	K2CT3DR00005	1	-		△
	POWER CORD & FERRITE CORE	-		TXFSX02QHUZ	1	△ EUROPE
	POWER CORD & FERRITE CORE	-		TXFSX02QHYZ	1	△ UK
	POLY BAG	XZBT6532	1	XZBT6506	1	
57	UPPER COVER	TXFKF99QCDZ	1	TXFKF99QHRZ	1	
58	BOTTOM COVER	TXFKF98QCDZ	1	TXFKF99QHYZ	1	
[INTEGRATED CIRCUIT]						

Ref. No.	Part Name & Description	PT-LB50NTEA (Base Model)		PT-LB51NTEA		Remarks
		Part No.	Pcs	Part No.	Pcs	
IC1011	I.C	TVRP607-1	1	TVRP671	1	
IC1802	I.C	TVRN743-3	1	TVRP608	1	
[OTHERS]						
RTL	CIRCUIT BOARD WL	TNPA4323AB	1	TNPA4323	1	△
RTL	CIRCUIT BOARD A	TXANP01VKB9A	1	TXANP01QHRZ	1	△
	BALLAST UNIT ASSY	TXANP04VKB9	1	TXANPBQQHRZ	1	△

2.1.4. PT-LB51U

Ref. No.	Part Name & Description	PT-LB50U (Base Model)		PT-LB51U		Remarks
		Part No.	Pcs	Part No.	Pcs	
[MECHANICAL PARTS]						
	FERRITE CORE	-		J0KG00000046	1	
12	REMOTE CONTROLLER	N2QAYA000002	1	N2QAYB000172	1	
18	LOGO BADGE	TBMA192	1	TBMA242	1	XGA
	MODEL NAME PLATE	TBMG177	1	TBMG682	1	
	MODEL NO. LABEL	TBMG186	1	-		
19	CONTROLL BUTTON A	TBXA48901	1	TBXA48902	1	
33	REMOTE RECEIVER PLATE	TKKC5243	1	TKKC5253	1	
	SHIELD SHEET	TMKY028	1	-		
	PCB-A SHIELD	-		TMKY350	1	
61	CARTON	TPCB94305	1	TPCC26905A	1	
67	PASSWORD SHEET	TQBH7017	1	TQBH7032	1	
66	INSTRUCTION BOOK	TQBJ0192-2	1	TQBJ0228-1	1	△
	HIGH GROUND SHEET	-		TQBJ7008	1	
	POWER CORE SHEET	-		TQDH19039	1	
	GUARANTEE CARD (USA)	TQDJ18028	1	TQDJ18028-1	1	
2-1	POWER CORD	K2CG3DR00006	1	-		△
	POWER CORD & FERRITE CORE	-		TXFSX02QHRZ	1	△
	POLY BAG	XZBT6532	1	XZBT6506	1	
57	UPPER COVER	TXFKF99QCEZ	1	TXFKF99QNGZ	1	
58	BOTTOM COVER	TXFKF98QCEZ	1	TXFKF98QNGZ	1	
[INTEGRATED CIRCUIT]						
IC1011	I.C	TVRP607-1	1	TVRP671	1	
[COILS]						
L1043	EMI FILTER	J0JJC0000022	1	-		
L1046	EMI FILTER	J0JJC0000022	1	J0JCC0000168	1	
FL1001	FILTER	J0HABB000014	1	J0HAYY000046	1	
FL1002	FILTER	J0HABB000014	1	J0HAYY000046	1	
FL1010	FILTER	-		J0HAAB000036	1	
FL1011	FILTER	-		J0HAAB000036	1	
FL1012	FILTER	-		J0HAAB000036	1	
FL1013	FILTER	-		J0HAAB000036	1	
FL1014	FILTER	-		J0HAAB000036	1	
FL1015	FILTER	-		J0HAAB000036	1	
FL1016	FILTER	-		J0JYD0000020	1	
FL1017	FILTER	-		FLJ1E1040022	1	
FL1018	FILTER	-		J0JYD0000020	1	
[RESISTORS]						
R1042	M 56 OHM, J, 1/16W	ERJ3GEYJ560	1	-		
R1042	M 10 OHM, J, 1/16W	-		ERJ3GEYJ100	1	
R1043	M 56 OHM, J, 1/16W	ERJ3GEYJ560	1	-		
R1043	M 10 OHM, J, 1/16W	-		ERJ3GEYJ100	1	
R1272	M 1K OHM, 0.063W	ERJ2GEJ102	1	-		
R1340	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1357	M 10 OHM, J, 1/10W	ERJ6GEYJ100	1	-		
R1360	M 10 OHM, J, 1/10W	ERJ6GEYJ100	1	-		
R1390	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1391	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1392	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1402	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		

Ref. No.	Part Name & Description	PT-LB50U (Base Model)		PT-LB51U		Remarks
		Part No.	Pcs	Part No.	Pcs	
R1403	M 100 OHM, 0.063W	ERJ2GGEJ101X	1	-		
R1404	M 100 OHM, 0.063W	ERJ2GGEJ101X	1	-		
R1405	M 100 OHM, 0.063W	ERJ2GGEJ101X	1	-		
R1578	M 56 OHM, 0.063W	ERJ2GGEJ560	1	-		
R1578	M 75 OHM, 0.063W	-		ERJ2GGEJ750	1	
R1667	M 100 OHM, 0.063W	ERJ2GGEJ101X	1	-		
R1674	M 10 OHM, J, 1/10W	ERJ6GEYJ100	1	-		
R1712	RESISTOR	EXB2HV220JV	1	-		
R1713	RESISTOR	EXB2HV220JV	1	-		
R1714	RESISTOR ARRAY	EXB28V220J	1	-		
R1715	RESISTOR	EXB2HV220JV	1	-		
R1716	RESISTOR ARRAY	EXB28V220J	1	-		
R1717	RESISTOR	EXB2HV220JV	1	-		
R1718	M 22 OHM, 0.063W	ERJ2GGEJ220	1	-		
R1719	RESISTOR ARRAY	EXB28V220J	1	-		
R1720	RESISTOR	EXB2HV220JV	1	-		
[CAPACITORS]						
C1169	C 1000PF, 50V	-		ECJ0EB1H102K	1	
C1174	C 1000PF, 50V	-		ECJ0EB1H102K	1	
C1180	C 1000PF, 50V	-		ECJ0EB1H102K	1	
C1181	C 1000PF, 50V	-		ECJ0EB1H102K	1	
[OTHERS]						
RTL	CIRCUIT BOARD G	TNPA4329	1	-		△
RTL	CIRCUIT BOARD G	-		TNPA4329AB	1	△
RTL	CIRCUIT BOARD A	TXANP01QCFZ	1	TXANP01QNGZ	1	△
	BALLAST UNIT ASSY	TXANP04VKB9	1	TXANPBQQHRZ	1	△

2.1.5. PT-LB51E

Ref. No.	Part Name & Description	PT-LB50E (Base Model)		PT-LB51E		Remarks
		Part No.	Pcs	Part No.	Pcs	
[MECHANICAL PARTS]						
	FERRITE CORE	-		J0KG00000046	1	
12	REMOTE CONTROLLER	N2QAYA000002	1	N2QAYB000172	1	
18	LOGO BADGE	TBMA192	1	TBMA242	1	XGA
	MODEL NAME PLATE	TBMG178-1	1	TBMG807	1	
	MODEL NO. LABEL	TBMG187	1	-		
19	CONTROL BUTON A	TBXA48901	1	TBXA48902	1	
33	REMOTE RECEIVER PLATE	TKKC5243	1	TKKC5253	1	
	SHIELD SHEET	TMKY028	1	-		
	PCB-A SHIELD	-		TMKY350	1	
61	CARTON	TPCB94306A	1	TPCC26911	1	
67	PASSWORD SHEET	TQBH7017	1	TQBH7032	1	
66	INSTRUCTION BOOK	TQBJ0194	1	TQBJ0229-1	1	△
	NEW EMC SHEET	TQDJ19072	1	-		
2-2	POWER CORD	K2CM3DR00002	1	-		△
	POWER CORD & FERRITE CORE	-		TXFSX02QHUZ	1	△
	POLY BAG	XZBT6532	1	XZBT6506	1	
57	UPPER COVER	TXFKF99QCFZ	1	TXFKF99QNGZ	1	
58	BOTTOM COVER	TXFKF98QCFZ	1	TXFKF99QHVVZ	1	
[INTEGRATED CIRCUIT]						
IC1011	I.C	TVRP607-1	1	TVRP671	1	
[OTHERS]						
RTL	CIRCUIT BOARD A	TXANP01QCEZA	1	TXANP01QNGZ	1	△
	BALLAST UNIT ASSY	TXANP04VKB9	1	TXANPBQQHRZ	1	△

2.1.6. PT-LB51EA

Ref. No.	Part Name & Description	PT-LB50EA (Base Model)		PT-LB51EA		Remarks
		Part No.	Pcs	Part No.	Pcs	
[MECHANICAL PARTS]						
	FERRITE CORE	-		J0KG00000046	2	
12	REMOTE CONTROLLER	N2QAYA000002	1	N2QAYB000172	1	
18	LOGO BAFGE	TBMA192	1	TBMA242	1	XGA
	MODEL NAME PLATE	TBMG179-1	1	TBMG683	1	
	MODEL NO. LABEL	TBMG188	1	-		
19	CONTROL BUTTON A	TBXA48901	1	TBXA48902	1	
33	REMOTE RECEIVER PLATE	TKKC5243	1	TKKC5253	1	
	SHIELD SHEET	TMKY028	1	-		
	PCB-A SHIELD	-		TMKY350	1	
61	CARTON	TPCB94307	1	TPCC26906	1	
67	PASSWORD SHEET	TQBH7017	1	TQBH7032	1	
66	INSTRUCTION BOOK	TQBJ0196	1	TQBJ0230	1	△
	POWER CORE SHEET	-		TQDH19039	1	
	NEW EMC SHEET	TQDJ19072	1	-		
2-2	POWER CORD (EUROPE)	K2CM3DR00002	1	-		△
2-3	POWER CORD (UK)	K2CT3DR00005	1	-		△
	POWER CORD & FERRITE CORE	-		TXFSX02QHYZ	1	△ EUROPE
	POWER CORD & FERRITE CORE	-		TXFSX02QHYZ	1	△ UK
	POLY BAG	XZBT6532	1	XZBT6506	1	
57	UPPER COVER	TXFKF99QCGZ	1	TXFKF99QNGZ	1	
58	BOTTOM COVER	TXFKF98QCGZ	1	TXFKF99QHYZ	1	
[INTEGRATED CIRCUIT]						
IC1011	I.C	TVRP607-1	1	TVRP671	1	
[OTHERS]						
RTL	CIRCUIT BOARD A	TXANP01QCEZA	1	TXANP01QNGZ	1	△
	BALLAST UNIT ASSY	TXANP04VKB9	1	TXANPBQQHRZ	1	△

2.1.7. PT-LB51SU

Ref. No.	Part Name & Description	PT-LB50SU (Base Model)		PT-LB51SU		Remarks
		Part No.	Pcs	Part No.	Pcs	
[MECHANICAL PARTS]						
	FERRITE CORE	-		J0KG00000046	1	
12	REMOTE CONTROLLER	N2QAYA000002	1	N2QAYB000172	1	
18	LOGO BADGE	TBMA193	1	TBMA243	1	SVGA
	MODEL NAME PLATE	TBMG180	1	TBMG684	1	
	MODEL NO. LABEL	TBMG189	1	-		
19	CONTROL BUTTON A	TBXA48901	1	TBXA48902	1	
33	REMOTE RECEIVER PLATE	TKKC5243	1	TKKC5253	1	
	SHIELD SHEET	TMKY028	1	-		
	PCB-A SHIELD	-		TMKY350	1	
61	CARTON	TPCB94308	1	TPCC26907A	1	
67	PASSWORD SHEET	TQBH7017	1	TQBH7032	1	
66	INSTRUCTION BOOK	TQBJ0192-2	1	TQBJ0228-1	1	△
	HIGH GROUND SHEET	-		TQBJ7008	1	
	POWER CORE SHEET	-		TQDH19039	1	
	GUARANTEE CARD (USA)	TQDJ18028	1	TQDJ18028-1	1	
2-1	POWER CORD	K2CG3DR00006	1	-		△
	POWER CORD & FERRITE CORE	-		TXFSX02QHRZ	1	△
	POLY BAG	XZBT6532	1	XZBT6506	1	
57	UPPER COVER	TXFKF99QCHZ	1	TXFKF99QHTZ	1	
58	BOTTOM COVER	TXFKF98QCHZ	1	TXFKF98QHTZ	1	
[INTEGRATED CIRCUIT]						
IC1011	I.C	TVRP609-1	1	TVRP672	1	
[COILS]						
L1043	EMI FILTER	J0JJC0000022	1	-		

Ref. No.	Part Name & Description	PT-LB50SU (Base Model)		PT-LB51SU		Remarks
		Part No.	Pcs	Part No.	Pcs	
L1046	EMI FILTER	J0JCC0000022	1	J0JCC0000168	1	
FL1001	FILTER	J0HABB000014	1	J0HAYY000046	1	
FL1002	FILTER	J0HABB000014	1	J0HAYY000046	1	
FL1010	FILTER	-		J0HAAB000036	1	
FL1011	FILTER	-		J0HAAB000036	1	
FL1012	FILTER	-		J0HAAB000036	1	
FL1013	FILTER	-		J0HAAB000036	1	
FL1014	FILTER	-		J0HAAB000036	1	
FL1015	FILTER	-		J0HAAB000036	1	
FL1016	FILTER	-		J0JYD0000020	1	
FL1017	FILTER	-		FLJ1E1040022	1	
FL1018	FILTER	-		J0JYD0000020	1	
[RESISTORS]						
R1042	M 56 OHM, J, 1/16W	ERJ3GEYJ560	1	-		
R1042	M 10 OHM, J, 1/16W	-		ERJ3GEYJ100	1	
R1043	M 56 OHM, J, 1/16W	ERJ3GEYJ560	1	-		
R1043	M 10 OHM, J, 1/16W	-		ERJ3GEYJ100	1	
R1272	M 1K OHM, 0.063W	ERJ2GEJ102	1	-		
R1340	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1357	M 10 OHM, J, 1/10W	ERJ6GEYJ100	1	-		
R1360	M 10 OHM, J, 1/10W	ERJ6GEYJ100	1	-		
R1390	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1391	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1392	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1402	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1403	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1404	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1405	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1578	M 56 OHM, 0.063W	ERJ2GEJ560	1	-		
R1578	M 75 OHM, 0.063W	-		ERJ2GEJ750	1	
R1667	M 100 OHM, 0.063W	ERJ2GEJ101X	1	-		
R1674	M 10 OHM, J, 1/10W	ERJ6GEYJ100	1	-		
R1712	RESISTOR	EXB2HV220JV	1	-		
R1713	RESISTOR	EXB2HV220JV	1	-		
R1714	RESISTOR ARRAY	EXB28V220J	1	-		
R1715	RESISTOR	EXB2HV220JV	1	-		
R1716	RESISTOR ARRAY	EXB28V220J	1	-		
R1717	RESISTOR	EXB2HV220JV	1	-		
R1718	M 22 OHM, 0.063W	ERJ2GEJ220	1	-		
R1719	RESISTOR ARRAY	EXB28V220J	1	-		
R1720	RESISTOR	EXB2HV220JV	1	-		
[CAPACITORS]						
C1169	C 1000PF, 50V	-		ECJ0EB1H102K	1	
C1174	C 1000PF, 50V	-		ECJ0EB1H102K	1	
C1180	C 1000PF, 50V	-		ECJ0EB1H102K	1	
C1181	C 1000PF, 50V	-		ECJ0EB1H102K	1	
[OTHERS]						
RTL	CIRCUIT BOARD G	TNPA4329	1	-		△
RTL	CIRCUIT BOARD G	-		TNPA4329AB	1	△
RTL	CIRCUIT BOARD A	TXANP01QCJZ	1	TXANP01QHTZ	1	△
	BALLAST UNIT ASSY	TXANP04VKB9	1	TXANPBQQHRZ	1	△

2.1.8. PT-LB51SEA

Ref. No.	Part Name & Description	PT-LB50SEA (Base Model)		PT-LB51SEA		Remarks
		Part No.	Pcs	Part No.	Pcs	
[MECHANICAL PARTS]						
	FERRITE CORE	-		J0KG00000046	2	
12	REMOTE CONTROLLER	N2QAYA000002	1	N2QAYB000172	1	
18	LOGO BADGE	TBMA193	1	TBMA242	1	SVGA
	MODEL NAME PLATE	TBMG182-1	1	TBMG685	1	
	MODEL NO. LABEL	TBMG191	1	-		
19	CONTROL BUTTON A	TBXA48901	1	TBXA48902	1	
33	REMOTE RECEIVER PLATE	TKKC5243	1	TKKC5253	1	
	SHIELD SHEET	TMKY028	1	-		
	PCB-A SHIELD	-		TMKY350	1	
61	CARTON	TPCB94310	1	TPCC26908	1	
67	PASSWORD SHEET	TQBH7017	1	TQBH7032	1	
66	INSTRUCTION BOOK	TQBJ0196	1	TQBJ0230	1	△
	POWER CORE SHEET	-		TQDH19039	1	
	NEW EMC SHEET	TQDJ19072	1	-		
2-2	POWER CORD (EUROPE)	K2CM3DR00002	1	-		
2-3	POWER CORD (UK)	K2CT3DR00005	1	-		
	POWER CORD & FERRITE CORE	-		TXFSX02QHUZ	1	△ EUROPE
	POWER CORD & FERRITE CORE	-		TXFSX02QHYZ	1	△ UK
	POLY BAG	XZBT6532	1	XZBT6506	1	
57	UPPER COVER	TXFKF99QCKZ	1	TXFKF99QHTZ	1	
58	BOTTOM COVER	TXFKF98QCKZ	1	TXFKF99QHZZ	1	
[INTEGRATED CIRCUIT]						
IC1011	I.C	TVRP609-1	1	TVRP672	1	
[OTHERS]						
RTL	CIRCUIT BOARD A	TXANP01QCHZA	1	TXANP01QHTZ	1	△
	BALLAST UNIT ASSY	TXANP04VKB9	1	TXANPBQQHRZ	1	△