



数字相框

底板: SVJ1
WCA3

型号: 800P
(LP08PSMSB/EN)
1000P
(LP10PSMSB/EN)

维 修

手 册

数字相框



800P / 1000P

内容

1. 注意事项
2. 产品规格
3. 拆卸和重新组装
4. 故障排除
5. 分解图和零件清单
6. 接线图

如欲了解详细内容，请参照 GSPN 中的维修手册（见封底）。

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GSPN（全球服务合作伙伴网）

国家	网站
北美	http://service.samsungportal.com
拉美	http://latin.samsungportal.com
独联体	http://cis.samsungportal.com
欧洲	http://europe.samsungportal.com
中国	http://china.samsungportal.com
亚洲	http://asia.samsungportal.com
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3. 拆卸和重新组装

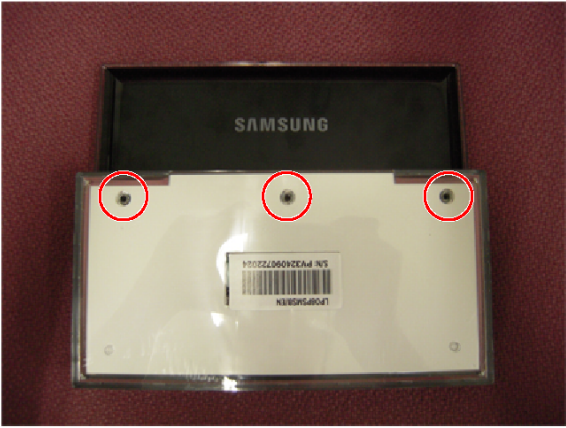
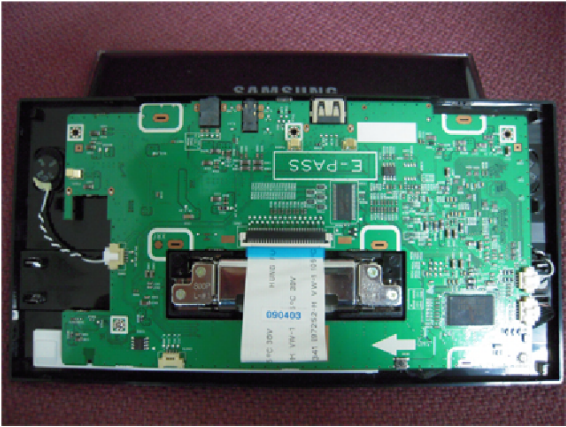
本章节叙述拆卸和重新组装步骤。

⚠ 警告：本显示器含有静电敏感器件。当处理这些器件时要小心。

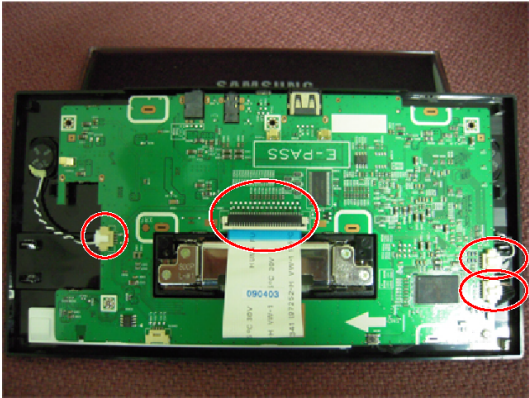
3-1. 拆卸

- ⚠ 小心：
- 1. 检查清洁水平桌面。
 - 2. 颠倒相框，准备一块干净的布以防划伤。
 - 3. 在拆卸前断开显示器电源。
 - 4. 检查 SD/MMC 卡或 USB。（SD/MMC，USB 保护插口）
 - 5. 在更换 LCD 屏板时，以防灰尘进入。

3-2. 拆卸和重新组装

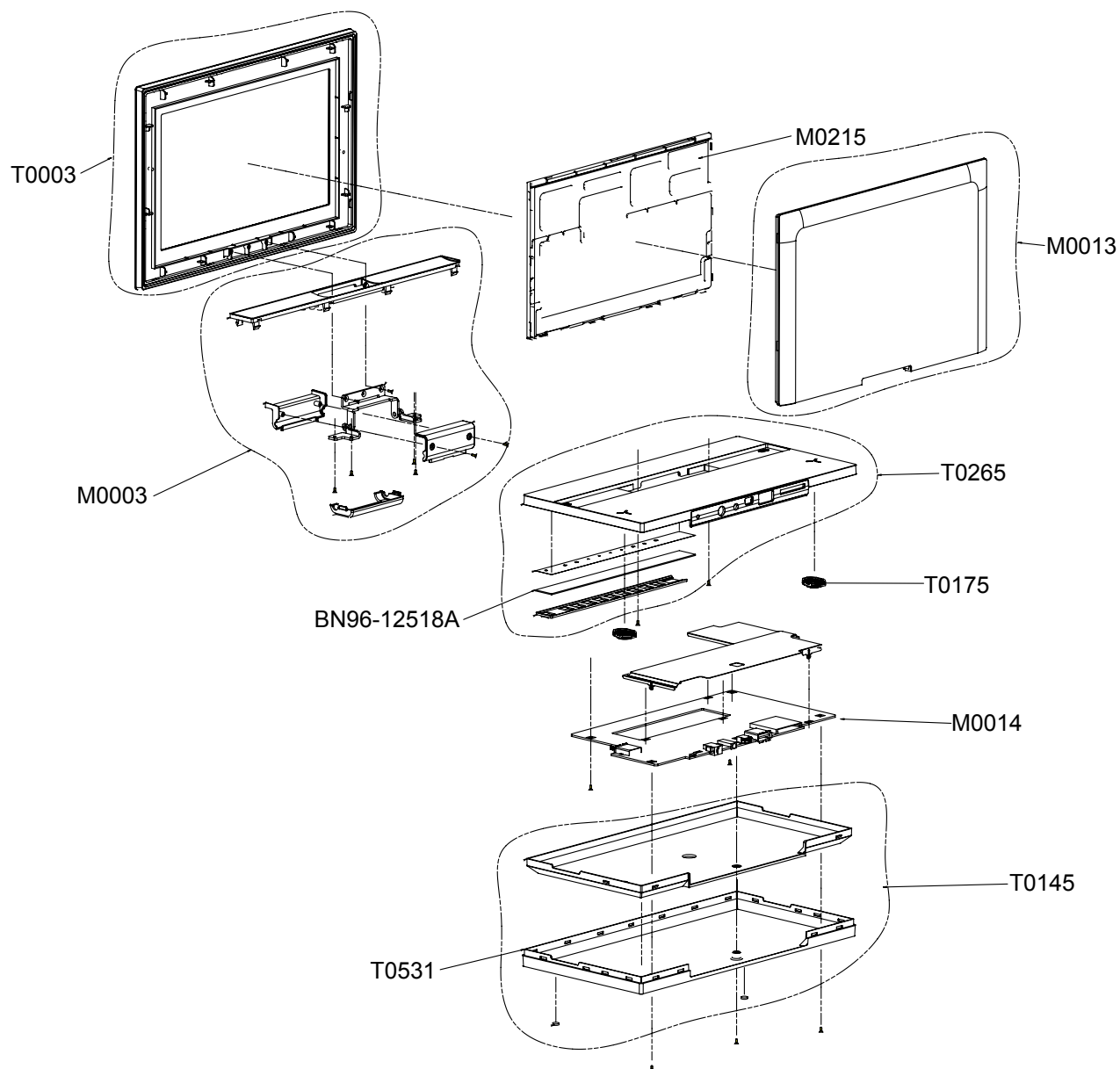
说明	说明相片	螺钉
1. 将一块干净的布垫在相框下方。		
2. 拆除底盖。		

3. 拆卸和重新组装

说明	说明相片	螺钉
3. 拆卸接线（扬声器 X2，触摸键，显示板 FPC） 拆卸主板侧部的 2 个螺钉。		
4. 从顶盖处将主板卸下。		
5. 拆卸拆卸银色合页处的 2 个螺钉。		
6. 拆卸后盖并卸下显示屏。		

5. Exploded View & Part List

5-1. LP08PSMSB/XF - Exploded View (800P)



5-1-1. Part List

Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
M0003	BN96-12120A	ASSY STAND P;SWAN 8",ABS,NI	1	SA	
M0013	BN96-12121A	ASSY COVER P-REAR;SWAN 8",ABS,HB,BK23	1	SA	
M0014	BN94-03171A	ASSY PCB MAIN-OTZ,W/W;LP08PSMSB/EN,W/W	1	SA	
M0215	BN07-00761A	LCD-PANEL;AT080TN03,IN080038,6Bit Hi-FRC	1	SA	
T0003	BN96-12119A	ASSY COVER P-FRONT;SWAN 8",ABS+PMMA,BLAC	1	SA	
T0145	BN96-12124A	ASSY COVER P-BOTTOM;SWAN 8",PC CLEAR	1	SA	
T0175	BN96-12068A	ASSY SPEAKER P;8ohm,2pin,0.7W,50mm,Unit	2	SA	
T0265	BN96-12359A	ASSY COVER P-TOP;800P,ABS+PMMA,BK27	1	SA	
T0531	BN63-06179A	COVER-BOTTOM;SWAN 8",PC CLEAR,TTP01	1	SA	
	BN96-12518A	ASSY BOARD P-KEY FUNCTION;P-PROJECT,1299	1	SA	

5-2. LP08PSMSB/XF - Part List (800P)

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.1		BN90-02345A	ASSY COVER FRONT;LP08PS,800P	1	SNA	
..2	T0003	BN96-12119A	ASSY COVER P-FRONT;SWAN 8",ABS+PMMA,BLAC	1	SA	
...3	CCM1	BN63-02183K	COVER-SHEET;Rhcm,PE Vinyl,T 0.04,250MM,2	0.4	SNA	
...3	M0112	BN63-06171A	COVER-FRONT;SWAN 8",PMMA, ABS+PMMA(BK23)	1	SNA	
0.1	M0002	BN90-02346A	ASSY COVER REAR;LP08PS,800P	1	SNA	
..2	M0013	BN96-12121A	ASSY COVER P-REAR;SWAN 8",ABS,HB,BK23	1	SA	
...3	CCM1	BN63-02183K	COVER-SHEET;Rhcm,PE Vinyl,T 0.04,250MM,2	0.2	SNA	
...3	M0006	BN63-06174A	COVER-REAR;SWAN 8",ABS,HB,BK23	1	SNA	
0.1		BN91-04350T	ASSY LCD-OTZ;V2OIP	1	SNA	
..2	M0215	BN07-00761A	LCD-PANEL;AT080TN03,IN080038,6Bit Hi-FRC	1	SA	
0.1	M0017	BN91-04468P	ASSY CHASSIS-OTZ,W/W;LP08PSMSB/EN	1	SNA	
..2	M0014	BN94-03171A	ASSY PCB MAIN-OTZ,W/W;LP08PSMSB/EN,W/W	1	SA	
...3		0202-001463	SOLDER-WIRE;LFC2-W3.0,-,D3,99.79Sn/0.2Cu	0.938	SNA	
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.025	SNA	
...3		0204-002420	SOLVENT;1M-1000,C3H7OH,96	3.52	SNA	
...3		0204-002607	FLUX;DF-234U,13%,14KG,Gravity 0.82	2.287	SNA	
...3	T0174	BN97-03664R	ASSY SMD;LP08PSMSB/EN,BN41-01298A	1	SNA	
....4		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	4.518	SNA	
....4	D1	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	4	SA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	SA	
....4	MZD1	0403-001411	DIODE-ZENER;5.49-5.73V,200mW,SOD-323,TP	6	SA	
....4		0406-001181	DIODE-TVS;NUP4201MR6,6/-V,500W,TSOP-6	2	SA	
....4	Q409	0505-002234	FET-SILICON;PMV65XP,P,-20V,-3.9A,0.076oh	2	SA	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	1	SA	
....4		1105-002030	IC-DDR SDRAM;NT5DS32M16CS-5T,DDR SDRAM,5	1	SA	
....4	T0087	1203-002302	IC-POSIFIXED REG.;78RM33D,D-PAK,3P,-,PL	1	SA	
....4	T0087	1203-002842	IC-POSIFIXED REG.;AP1117D-33,TO-252,3P,	2	SA	
....4	T0087	1203-002974	IC-POSIFIXED REG.;AP1117D-25A,TO-252,3P	1	SA	
....4	T0087	1203-003696	IC-POSIFIXED REG.;NCP1117DT18T5G,DPAK,3	1	SA	
....4		1203-005279	IC-DC/DC CONVERTER;MP2372DN,SOP,8P,4.9x3	1	SA	
....4	IC120	1205-002412	IC-TRANSMITTER;DTC34LM85A,TSSOP,56P,14x6	1	SA	
....4	P803T	1404-001470	THERMISTOR-PTC;0.15/0.75ohm,15V,100A,1.0	1	SA	
....4		1405-001232	VARIATOR;5.6Vdc,30A,1.6x0.8x0.8mm,TP	8	SNA	
....4	JP19	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	2	SNA	
....4	DR1	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	3	SA	
....4	PR4	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	2	SNA	
....4	KAR13	2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	5	SNA	
....4	ND51C2	2007-000066	R-CHIP;20Kohm,1%,1/10W,TP,1608	1	SNA	
....4	KAR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	49	SNA	
....4	CER02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	10	SNA	
....4	AR164	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA	
....4	FMR4	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	3	SNA	
....4	CER04	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	11	SA	
....4	MROP1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	23	SA	
....4	MR13	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	3	SA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	KAR9	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SNA	
....4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	2	SNA	
....4	DR10	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	14	SNA	
....4	KAR11	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	3	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	24	SNA	
....4	R1035	2007-000287	R-CHIP;100ohm,1%,1/10W,TP,1608	1	SNA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	1	SA	
....4		2007-000606	R-CHIP;240ohm,1%,1/10W,TP,1608	1	SA	
....4	AR61	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	1	SNA	
....4	R1	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	18	SNA	
....4	DAR09	2011-001262	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2.	10	SA	
....4	AC14	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	64	SNA	
....4	C134	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	4	SA	
....4	C212	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	4	SA	
....4	ZC14	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	9	SNA	
....4	ZC165	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	2	SA	
....4	AAC14	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608	1	SA	
....4	AC124	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	SNA	
....4	UC12	2203-001083	C-CER,CHIP;0.0050nF,0.1pF,50V,NP0,1608	2	SA	
....4	AC28	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	4	SA	
....4	EC14	2203-001724	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,TP,321	1	SNA	
....4	DC108	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	18	SC	
....4	C410	2203-005384	C-CER,CHIP;4700nF,+80-20%,10V,Y5V,TP,201	2	SNA	
....4	AD480	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	SNA	
....4	AD480	2203-005809	C-CER,CHIP;1000nF,10%,16V,X7R,TP,2012	4	SC	
....4	EC9	2203-005834	C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216	6	SA	
....4	AD480	2203-006024	C-CER,CHIP;2200nF,10%,10V,X7R,2012	2	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	4	SNA	
....4	AD480	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	27	SNA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	3	SA	
....4	AD480	2203-007233	C-CER,CHIP;22000nF,10%,16V,X5R,TP,3216	1	SA	
....4		2409-001168	C-EDL;200000uF,3.3V,0.01mA,TP,D6.8x11.3mm	1	SA	
....4	X202	2801-000258	CRYSTAL-SMD;0.032768MHz,20ppm,SMD,12.5pF	1	SA	
....4	XD01	2801-004164	CRYSTAL-SMD;12MHZ,50PPM,28-ACI,7PF,100OH	1	SA	
....4	X202	2801-004355	CRYSTAL-SMD;13.5MHz,30ppm,28-AAN,20,40oh	1	SA	
....4	L2011	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	2	SNA	
....4	T0568	3301-001393	BEAD-SMD;60ohm,3216,1500mA,TP,41ohm/40MH	15	SNA	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	6	SA	
....4	T0568	3301-001407	BEAD-SMD;30ohm,1608,300mA,TP,,,0.4ohm	4	SNA	
....4	T0568	3301-001594	BEAD-SMD;90ohm,2.0*1.2*1.3mm,TP,-,-	7	SNA	
....4		3601-001376	FUSE-SURFACE MOUNT;32V,3A,FAST-ACTING,Hi	1	SA	
....4	AC510	3708-001150	CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y	1	SA	
....4		3709-001579	CONNECTOR-CARD EDGE;14,2.5mm,SMD-A,Au,SD	1	SA	
....4		3711-005509	HEADER-BOARD TO CABLE;BOX,4P,1R,1.25mm,S	2	SA	
....4		3711-005743	HEADER-BOARD TO CABLE;BOX,5P,1R,1.25mm,A	1	SA	
....4		3722-002528	JACK-USB;5P,AU30U,BLK,SMD-A,MINI USB B	1	SA	
....4		3722-002894	JACK-USB;4P,Au 30/ Ni 80,BLK,SMD-A,A-TYP	1	SA	
....4		3722-002895	JACK-DC POWER;2P,4.4PI,nickel,black	1	SA	
....4	T0010	BN27-00007A	COIL CHOKE-SMD;DHB0504-100,RB15/17NS,10u	1	SA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	T0077	BN41-01270A	PCB MAIN;P,FR-4,4,1.2,191X128mm,1	1	SNA	
....4		BN97-03853C	ASSY MICOM-MAIN(2G),OTZ,W/W;LP08PSMSB/*,	1	SNA	
.....5		1107-001864	IC-NAND FLASH;K9GAG08U0D-PCB0,2GByte,2Gx	1	SA	
....4		BN97-03853D	ASSY MICOM-SUB,OTZ,W/W;LP08PSMSB/*,BN41-	1	SNA	
.....5	IC520	0903-001624	IC-MICROCONTROLLER;WT6703F,SSOP,24P,8.7x	1	SA	
....4	J914	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SC	
....4		4202-001511	ANTENNA-CHIP;2400~2500,2450MHz,3dB,less	1	SNA	
....4		4709-001810	BLUETOOTH MODULE;26MHz,Bluetooth Module,	1	SA	
....4	D0254	0609-001367	MODULE REMOCON;SMD-V,1.35mm,TP	1	SNA	
....4	IC520	0903-001612	IC-MICROCONTROLLER;SK8855BBPVC,LQFP,256P	1	SA	
....4		1204-003099	IC-MODULATOR;451M-16,SOIC,8P,5x6.2x1.75m	1	SA	
....4		1205-003860	IC-CODEC;ALC5626-GR,QFN,32P,5x5x0.85mm,3	1	SA	
....4		3722-002969	JACK-EAR PHONE;5P,AU,BLK,SMD-A	1	SA	
....4	IC105	0909-001032	IC-REAL TIME CLOCK;PCF8563,SOP,8P,4.9x3.	1	SA	
....4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	1	SA	
....4	Q613	0501-000465	TR-SMALL SIGNAL;MMBT3904,NPN,350mW,SOT-2	1	SA	
....4	HR12	2007-000591	R-CHIP;22ohm,1%,1/10W,TP,1608	2	SNA	
....4		2007-000736	R-CHIP;30Kohm,1%,1/10W,TP,1608	1	SA	
....4	ER19	2007-002899	R-CHIP;10ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007229	R-CHIP;360ohm,1%,1/10W,TP,1608	1	SA	
....4	AD480	2203-002668	C-CER,CHIP;0.0005nF,0.1pF,50V,NP0,TP,100	1	SA	
....4	T0052	2703-001737	INDUCTOR-SMD;2.7nH,0.3nH,1005	1	SNA	
....4	T0052	2703-001747	INDUCTOR-SMD;4.7nH,0.3nH,1005	1	SA	
....4	T0052	2703-002365	INDUCTOR-SMD;1.2nH,0.3nH,1005	1	SA	
....4		BN97-03927V	ASSY MICOM-EPROM_W/W;P,BN41-*	1	SNA	
.....5	IC112	1103-001223	IC-EEPROM;24C16,16Kbit,2Kx8,SOP,8P,5x4mm	1	SA	
0.1		BN91-04551A	ASSY SHIELD;LP08PS,800P	1	SNA	
..2	M0081	6003-001438	SCREW-TAPTYPE;BH,+,B,M2,L6,ZPC(BLK)	5	SA	
..2	T0175	BN96-12068A	ASSY SPEAKER P;8ohm,2pin,0.7W,50mm,Unit	2	SA	
..2	T0145	BN96-12124A	ASSY COVER P-BOTTOM;SWAN 8",PC CLEAR	1	SA	
...3	T0531	BN63-06179A	COVER-BOTTOM;SWAN 8",PC CLEAR,TTP01	1	SA	
...3	T0069	BN63-06180A	COVER-MIDDLE;SWAN 8",ABS,HB,WH13	1	SNA	
...3	AS501	AH61-02950A	STAND-FOOT;ht-sb1,rubber,2.0,5,5,white	2	SNA	
...3	CCM1	BN63-02183K	COVER-SHEET;Rhcm,PE Vinyl,T 0.04,250MM,2	0.2	SNA	
...3	M0126	BN73-00170C	RUBBER-FOOT;943BW,2043BW,RUBBER,8*8,3.0,	1	SNA	
..2	T0265	BN96-12359A	ASSY COVER P-TOP;800P,ABS+PMMA,BK27	1	SA	
...3		BN61-05862A	GUIDE-PCB;SWAN 8",ABS,WH13	1	SNA	
...3	AC310	BN63-06176A	COVER-TOP;SWAN 8",ABS+PMMA,BK27	1	SNA	
...3	AS078	BN63-06182A	SHEET-FUNCTION;SWAN 8",PC SHEET,0.1T,BLA	1	SNA	
...3		BN96-12518A	ASSY BOARD P-KEY FUNCTION;P-PROJECT,1299	1	SA	
...3	CCM1	BN63-05199D	COVER-SHEET;AMBER,PE,T0.08,W75mm,200M,CL	0.25	SNA	
..2		0203-005051	TAPE-CONDUCTIVE;EMTS-20-0.2-65,Polyester	2	SA	
..2	M0003	BN96-12120A	ASSY STAND P;SWAN 8",ABS,NI	1	SA	
...3	T0056	BN63-06170A	COVER-DECORATION;SWAN 8",ABS,HB,NI	1	SNA	
...3		BN63-06172A	COVER-DECORATION SUB;SWAN 8",ABS,HB,NI	1	SNA	
...3		BN63-06173A	COVER HINGE-FRONT;SWAN 8",ABS,HB,BN63-06	1	SNA	
...3		BN63-06175A	COVER HINGE-REAR;SWAN 8",ABS,HB,SILVER S	1	SNA	
...3	T0054	BN96-12122A	ASSY HINGE P;SWAN 8",SK-5	1	SNA	
...3	M0230	BN96-12447A	ASSY CABLE P-FFC;P-Project,FFC,255mm,30P	1	SA	
...3	S0F0122	6003-001446	SCREW-TAPTYPE;BH,+,M2,L5,NI PLT,SWRCH18A	6	SNA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2		BN63-06411A	SHEET-PANEL W;800P,PORON,0.3T,3,188,blac	2	SNA	
..2		BN63-06412A	SHEET-PANEL L;800P,PORON,0.3T,3,114,blac	2	SNA	
..2		BN63-06556A	SHEET-PROTECTOR;800P,PET,0.1,224,147	1	SNA	
..2	S0F0122	6003-001446	SCREW-TAPTYPE;BH,+,M2,L5,NI PLT,SWRCH18A	5	SNA	
..2	CCM1	BN63-02183K	COVER-SHEET;Rhcm,PE Vinyl,T 0.04,250MM,2	0.2	SNA	
..2	T0073	AA63-01110C	GASKET-EMI;42D5,1.0,10,22,45Kg/m2,Fabric	1	SNA	
..2	CIS1	BN74-00021A	TAPE-FILAMENT;Filament tape,clear,#8915,	0.06	SNA	
0.1		BN92-02839V	ASSY LABEL;LP08CPLSS/EDC	1	SNA	
..2	CCM1	BN68-01316A	LABEL RATING;WW,SS,PET POLYESTER,0.05,60	1	SNA	
0.1		BN92-05368K	ASSY P/MATERIAL;LP08PSMSB/EN	1	SNA	
..2		6902-000061	BAG AIR;LDPE,T0.2,W500,L1000,TRP,370.000	1	SNA	
..2		6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,1260.0	1	SNA	
..2		6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	0.14	SNA	
..2		6902-000609	BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,30.0	0.01	SNA	
..2	T0527	BH68-40364A	LABEL-SUMMARY;G52,G72,ART,100G,WHT,BLK,W	1	SNA	
..2	T0527	BN68-00129A	LABEL SHIPPING-00;LABEL SHIPPING,ART-PAP	1	SNA	
..2		BN68-02398A	LABEL-01,SEALING;E5(E-BOOK),art paper,w5	1	SNA	
..2		BN69-00391Y	PAD-ANGLE;CB,T5,W2100,L50,YEL,403g	1	SNA	
..2		BN69-04231A	CUSHION-BLISTER-BOT;800P,PS	1	SNA	
..2	T0214	0203-001269	TAPE-OPP MASKING;#301,T0.06,W75,L50000,N	0.14	SNA	
..2		BN69-04342A	CUSHION-BLISTER TOP;800P,PET,0.5	1	SNA	
..2		AA69-03219H	PAD-PLATE;CB SW-2,1040,900	1	SNA	
..2		BH69-00457D	PACKING-PAD;CY15PO,T3.0,0g	1	SNA	
..2		BN69-01058E	PALLET-PACKING;LS19VIP,WOOD-WoodEN,1040,	1	SNA	
..2	T0524	6902-000389	BAG PE;HDPE/NITRON/HDPE,T0.015/T0.5/T0.0	1	SNA	
0.1		BN92-05391K	ASSY BOX;LP08PSMSB/EN	1	SNA	
..2		BH68-20015B	LABEL BAR CODE-00;ALL MODEL,MOJO 90G,90,	1	SNA	
..2	T0527	BN68-00134L	LABEL-BOX,01;ALL MODEL,MOJO 90G,120X90,W	1	SNA	
..2		BN69-04227A	BOX-02,SET;800P,CB,NON-STANDARD,W828.5,D	1	SNA	
..2		BN69-04228A	BOX-01,MASTER;800P,CB,A-01,W522,D437,H23	1	SNA	
0.1	M0045	BN92-05471U	ASSY ACCESSORY;LP08PSMSB/XF	1	SNA	
..2	T0268	3903-000381	CBF-POWER CORD;DT,CHINA,LSG-21,250/250V,	1	SA	
..2	T0527	AA68-00764A	LABEL-PASSING;SAMSUNG ALL,ART PAPER,CLR,	1	SNA	
..2	M0158	BN44-00133C	ADAPTOR;SAD1212,IPANEMA/SWAN,110/230V,50	1	SA	
..2		BN59-00970A	S/W DRIVER-02,IB;800P,1000P,22Lang,Samsu	1	SNA	
..2	T0074	BN59-00980A	REMOCON;TM920,20PIN,15,ALBUM	1	SA	
..2	M9889	BN63-02368B	CLOTH-CLEAN;cloth,120,160,sea blue,ToC	1	SNA	
..2		BN68-01789A	MANUAL FLYER-WARRANTY CARD;Chinese,Art 1	1	SNA	
..2		BN68-02186A	MANUAL FLYER-TOC GUIDE;COMM,SAMSUNG,10 L	1	SNA	
..2		BN68-02399B	MANUAL FLYER-QSG;800P,1000P,Samsung,5 La	1	SNA	
..2	T0725	GK39-00013B	CBF INTERFACE-USB;MYGENIE(DMB 10"),4P/5P	1	SC	

1. Precautions

1-1. Safety Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1-1. Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC power jack before servicing.

1-1-2. Servicing the LCD Monitor

1. When servicing the LCD Monitor, Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3. Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor/capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):

WARNING : Do not use an isolation transformer during this test.

Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

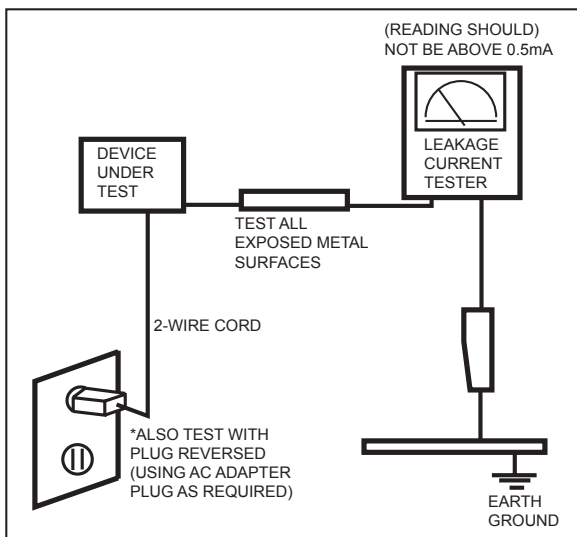


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4. Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by  on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2. Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
(a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug. The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3. Static Electricity Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4. Installation Precautions

1. For safety reasons, more than two people are required for carrying the product.
2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.
3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.
4. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.
5. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the highvoltage cable or the antenna falling over may cause fire or electric shock.
6. When installing the product, leave enough space (10cm (3.937 inch)) between the product and the wall for ventilation purposes.
A rise in temperature within the product may cause fire.

Memo

2. Product specifications

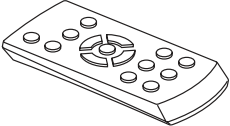
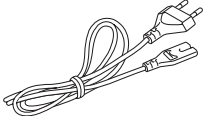
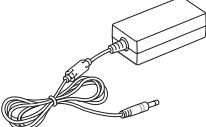
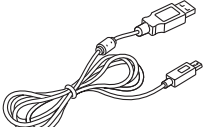
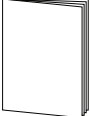
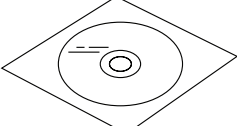
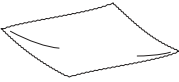
2-1. Feature & Specifications

Model		800P / 1000P	
Feature			
▶ Display JPEG and BMP format pictures. ▶ PLAY MP3 format music files. ▶ PLAY MPEG1,4,M-JPEG format video files. ▶ Support various slideshow effect with adjustable time interval. ▶ Stylish design. ▶ Supports various types of memory cards. (SD and USB memory device) ▶ Provides date and time display. ▶ Easy user interface (remote controller, touch key)			
Specifications			
Model		800P	1000P
Panel	Type	8" TFT LCD / Innolux	10" TFT LCD / Hannstar
	Resolution	800 x 480	1024 x 600
	Brightness	230cd/m ²	230cd/m ²
	Contrast Ratio	300:1	500:1
	Viewing Angle	45/65/65/65 (U/D/L/R)	50/60/70/70 (U/D/L/R)
	Interface	Digital LVDS	
	Response Time	35 msec (Tr+Tf)	25 msec (Tr+Tf)
Contents Format		Picture : BMP, JPEG support to Progressive JPEG , except CMYK support to under 8000X8000 resolution file Music : MP3(resolution: 8~48KHz,Bit Rates : 8~320KBps) Video : MPEG1 (resolution: 720 X 480, Bit Rates : 2 Mbps) MPEG4 (resolution: 720 X 480, Bit Rates : 2 Mbps) M-JPEG (resolution: 640 X 480, Bit Rates : 15 Mbps)	
Storage	Flash Memory	100MB (Code) + 1900 MB (User)	
	Main Memory	64MB SDRAM	
USB		Host (USB2.0), Slave (USB2.0)	
Media		SD,USB	
Browse Contents		Slideshow (Transition, Speed, Mode, Order..etc), View Mode, Aspect Ratio, Display Photo Info	
Control	I/O Device	Remote Control, Touch Key (10 buttons)	
	File Management	Copy, Delete	
Dimensions (W x D x H)		228.0 x 193.4 x 27.0 mm (SET) 228 x 224 x 82 mm (Package)	272.0 x 223.6 x 27.0 mm (SET) 302 x 254 x 82 mm (Package)
Weight		500g	600g

2-2. Spec Comparison to the Old Models

Model	800P / 1000P	IPANEMA (SPF-87H / SPF-107H)
Design		
Panel Type	8" TFT LCD / Innolux 10" TFT LCD / Hannstar	8" TFT LCD / Hannstar 10" TFT LCD / Hannstar
Resolution	8" 800 x 480 10" 1024 x 600	8" 800 x 480 10" 1024 x 600
Response Time	8" 35 msec 10" 25 msec	20 ms
Brightness	8" 230 cd/m2 10" 230cd/m2	200 cd/m2 (SPF-87H) 250 cd/m2 (SPF-107H)
Contrast Ratio	8" 300:1 10" 500:1	500:1
Viewing Angle	8" 45/65/65/65 (U/D/L/R) 10" 50/60/70/70 (U/D/L/R)	50 / 60 / 70 / 70 (U / D / L / R)
Color	Black	Black / Red
Support Contents Format	JPG, BMP, MP3, MPEG1, MPEG4, MJPG	JPG
Internal Memory	2GB	1GB

2-3. Accessories

Product	Description	Ccde. No	Remark
	Remote Control	BN59-00980A	Samsung Electronics Service center
	Power Cord	3903-000382	
	Adapter	BN44-00133C	
	USB Cable	GK39-00013B	
	Quick Start Guide and Warranty	BN68-00226R	
	CD-ROM (User Manual)	BN68-02399A	
	Cloth	BN63-02368B	

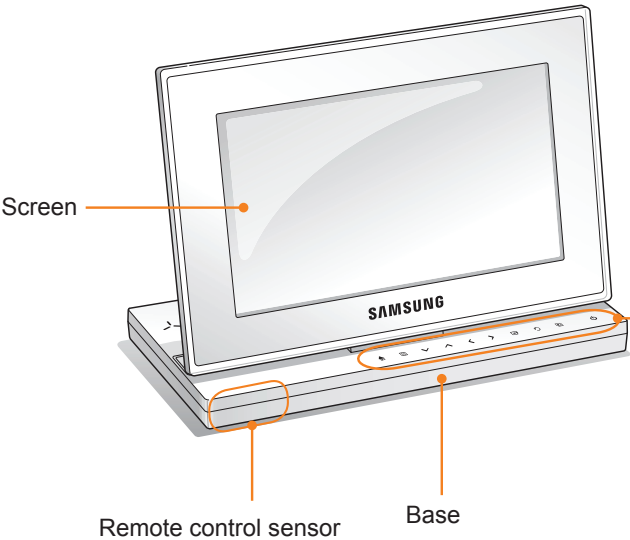
2-4. Accessories (Sold Separately)

Product	Description	Type Quantity
	SD	SD (Max 2G), microSD (Max 2GB), miniSD (Max 256MB), SDHC (Max 16GB), microSDHC (Max 8G)

2-5. The Control Panel and Its Functions

► Function Button Descriptions

The front of your frame

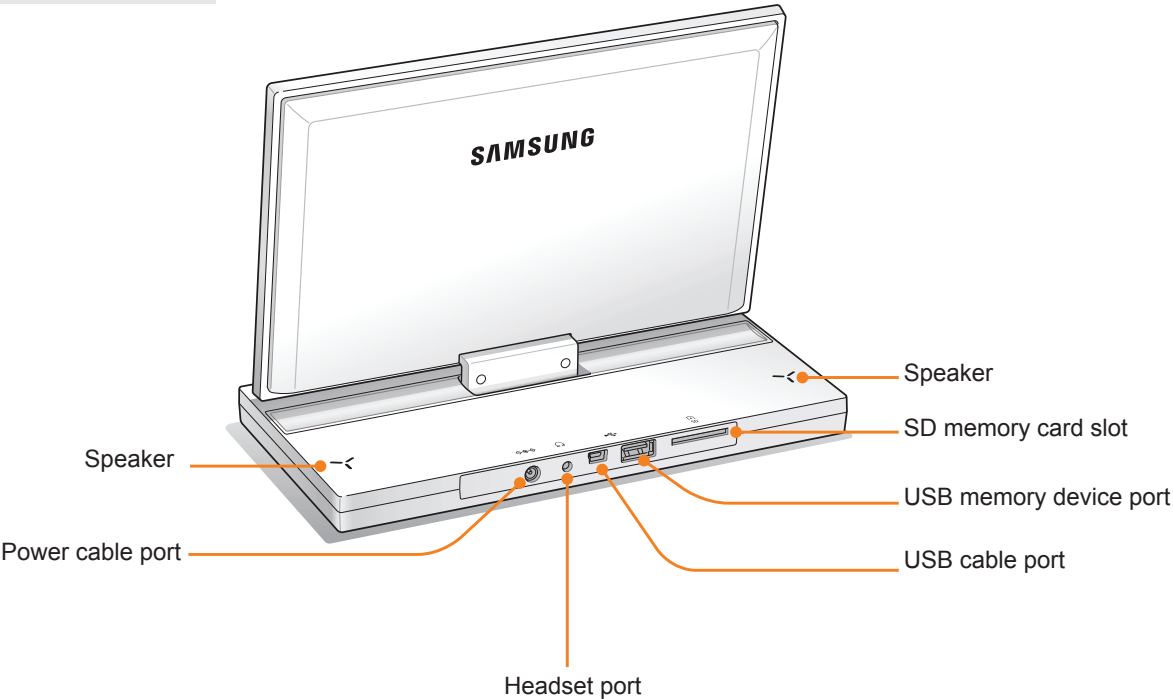


Touch button*	Description
	Turn the frame on; Turn the frame off (touch and hold)
	Access the Main menu
	Access menus
	Scroll through menus or items (up/down/left/right)
	Select menus or items; Perform selected functions
	Return to the previous level
	Play a slideshow in an any screen; Change the view mode during a slideshow

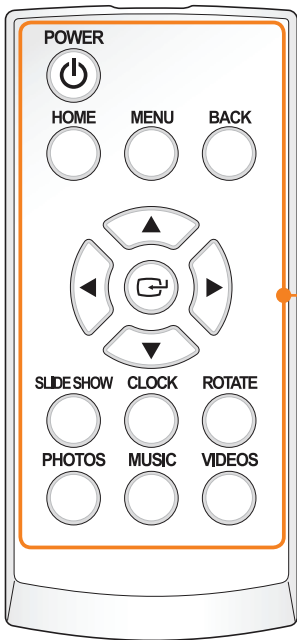
When using the touch buttons

- Operate the touch buttons only with your fingers. Make sure your hands are clean and dry when using the touch buttons.
- Lightly touch the button that corresponds to the desired function.
- The touch sensor may not work properly when wet or in humid places.

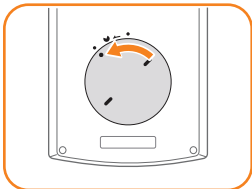
The rear of your frame



Remote control



Open the battery cover by turning to the left, replace the battery, and close the battery cover by turning to the right.



Button	Description
	Turn the frame on or off
	Access the Main menu
	Access menus
	Return to the previous level
	Scroll through menus or items (up/down/left/right)
	Select menus or items
	Play a slideshow in any screen; Change the view mode during a slideshow
	View the time and date
	Rotate a photo during a slideshow
	Access the photo list screen
	Access the music list screen
	Access the video list screen

2. Product specifications

► OSD Menu Structure

Use the buttons on the back of the product to set various functions to your preferences.

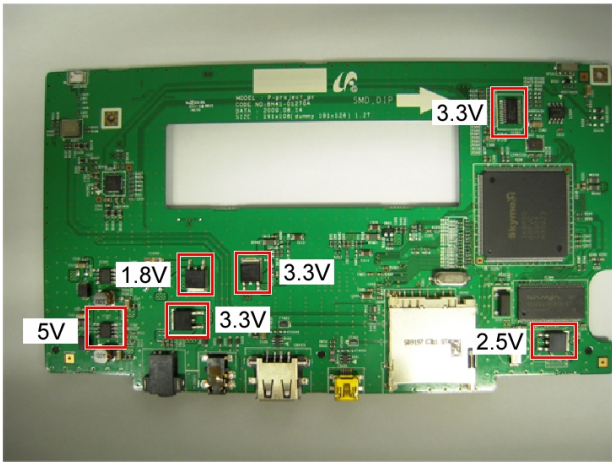
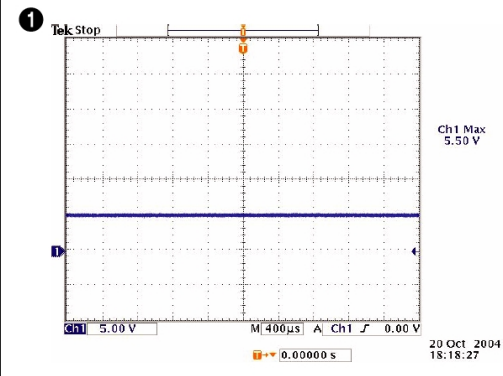
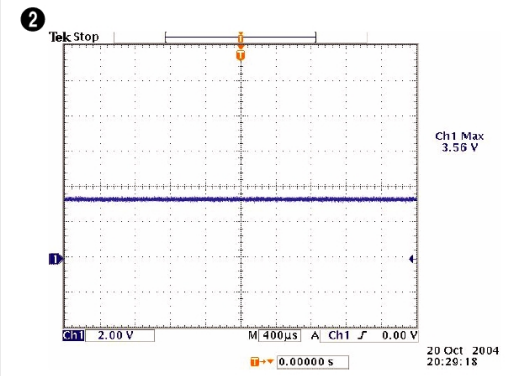
Photo	Browse photos stored in the internal memory or on an external memory device and change options		
	Home	Moves to the main screen	
	Copy	If an external memory device (SD memory card/ USB memory device) is connected to the product, • Copies pictures in an external memory device to the internal memory • Copies pictures in the internal memory to an external memory device	
	Delete	Deletes pictures in the internal memory or an external memory device	
	Select Multiple Files	Selects multiple files to run functions like slide show, copy, delete, etc.	
	Select Storage Device	If an external memory device (SD memory card/USB memory device) is connected to the product , • Select the internal memory or an external memory device (SD memory card/USB memory device)	
	Settings		
Music	Listen to music stored in the internal memory or on an external memory device and change options		
Videos	View videos stored in the internal memory or on an external memory device and change options		
Bluetooth	Use the Bluetooth wireless feature to connect to other wireless devices		
	Photo List	Access the photo list of the paired device	
	Rename	Rename the paired device	
	Delete	Delete one of the paired devices	
	Delete All	Delete all of the paired devices	
	Settings	Access the Settings menu	
Clock	View the current time and date		
	Clock Set	Set the current time and date	
	Date Format	Select how dates display (YYYY. MM. DD, MM. DD. YYYY, DD. MM. YYYY)	
	Time Format	Select how time displays (12 Hours, 24 Hours)	
	View Mode	Select the clock type (Clock Only, Clock + Calendar)	
Mini Monitor	Use the frame as a supplementary monitor for your PC Read the Frame Manager User Manual to install the program properly. Use the USB cable provided with the frame.		
Settings	General Settings	Simple Settings	Easy settings for frequently used functions (Viewing Mode, Slide Show Effect, Time Setting Mode and Start Mode)
		Language	Selects the OSD (on-screen display) language
		Brightness	Adjusts the screen brightness
		Auto Screen On/Off Setting	Sets the screen to automatically turn on and off at certain times
		Start Mode	Selects the screen to be displayed when the digital frame is switched on • Home / Last Used Mode / Slide Show
		Copy Internal Memory	• Original Copy Size: Copies an original file as is • Optimal Size: Matches the screen's optimal resolution by reducing the file size and then copies.
	Customer Support	USB Connection	Selects the recognition mode to be used when the digital frame is connected to a PC with a USB cable Use as a removable disk or mini monitor Use as a digital photo frame
		Software Upgrade	Updates the firmware
		Reset Settings	Resets user-customized menu options to default (Time setting and screen language setting excluded)
		Product Introduction	Product functions guide
	Product Information	Displays product model name, firmware version, internal memory and copyrights	

4. 故障排除

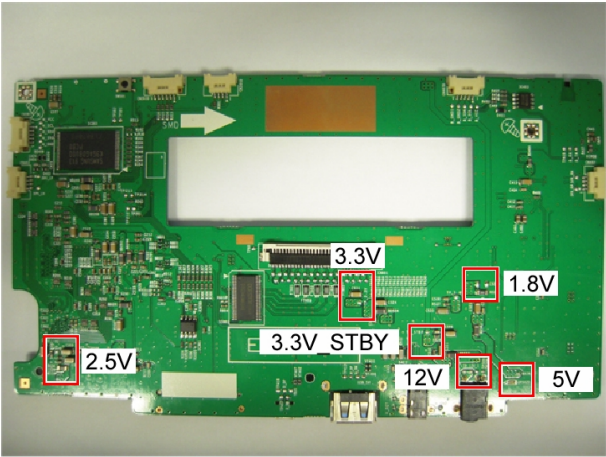
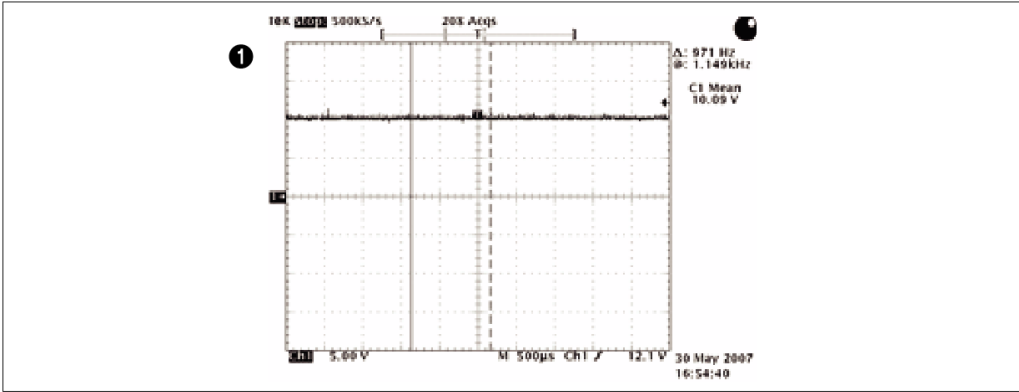
4-1. 故障排除第一个检查表

1. 首先检查各接线连接情况。
 - 检查是否有烧坏或损坏的接线。
 - 检查是否有断开的接线连接或连接太松。
 - 检查是否依据接线图连接接线。
2. 检查是否在主板端子上测量 12V、5V、3.3V 和 1.8V。

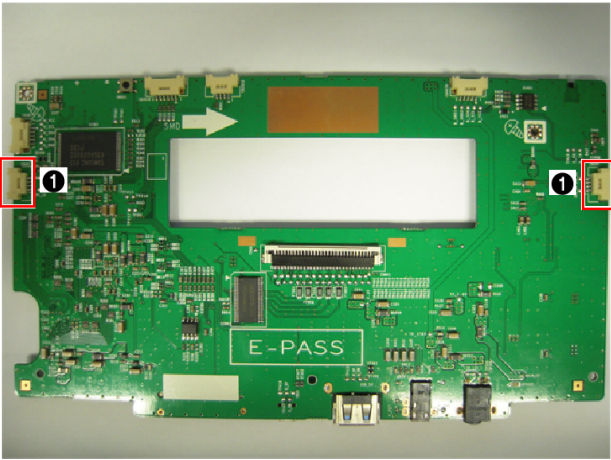
4-2. 未通电

征兆	未通电
故障排除步骤	 测试 12V TP 上出现 12V 吗？ 否 检查适配器 是 测试 5V TP 上出现 5V 吗？ 否 检查相关 IC502 电路 是 测试 3.3V TP 上出现 3.3V 吗？ 否 检查相关 IC501/IC503/IC505 电路 是 测试 2.5V TP 上出现 2.5V 吗？ 否 检查相关 IC507 电路 是 测试 1.8V TP 上出现 1.8V 吗？ 否 检查相关 IC508 电路
波形	1  2 

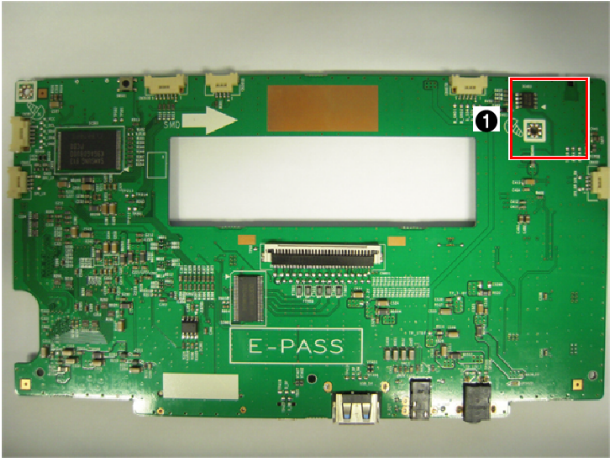
4-3. 无显示

征兆	屏面未开启
故障排除步骤	 流程图： <pre>graph TD; A[CN601 上出现 5V 吗?] -- 否 --> B[检查管脚 8 是否为 8V, 检查管脚 5、6 是否为 10V?]; A -- 是 --> C[是否从主板至显示屏正确连接接线?]; C -- 否 --> D[纠正接线连接]; C -- 是 --> E[更换主板];</pre>
波形	

4-4. 无声音

征兆	声音未开启
故障排除步骤	 检查 CN402 和 CN403 的连接器 否 纠正接线连接 是 检查 IC401 上是否为 SYS3.3V 和 5V 否 (BD404_5V,BD401~BD403 _SYS_3.3V) 是 更换主板

4-5. 蓝牙故障

征兆	蓝牙故障
故障排除步骤	 <pre>graph TD; A[M401 检查 M401 上的电压是否为 3.3V] -- 否 --> B[检查 TP BT_3.3V]; A -- 是 --> C[设置->蓝牙->设备信息, 检查蓝牙地址]; C -- 否 --> D["(Ex>0012:FB:XX XXXX)"]; C -- 是 --> E[升级主板再次检查, 然后更换主板。];</pre>

4-4. 故障和矫正措施

征兆	原因和矫正措施
不能开启电源	保证电源接线被正确连接。
当通过 USB 连接器将数字相框和计算机相连接时，屏幕闪烁或电源断开。	连接数字相框的计算机 USB 端口可能发生故障。 通过连接到另一台计算机进行检查。
在时钟屏幕的边缘可以看到有光点产生的污点。	黑色的 LCD 屏幕可以看到这种效果，不是机身的缺陷。
设置时间不再正确。	一旦断开适配器或出现断电故障，必须再次设置时间。保持电源适配器的连接。
开启电源后，需要很长时间才会显示图片。 从一张图片切换到下一图片需要很长时间。	建议降低图片的分辨率。
在使用内置存储器时，尽管还有很大的容量，但是不能再复制任何文件进去。	如果内置存储器的 FAT 部分被损坏，可能导致文件不能复制进去。格式化内置存储器后再试下。
有时，在连续播放时缓慢显示照片。	如果照片容量太大。可能需要一些时间装载照片。
已连接到外置存储设备（USB 存储设备或 SD 存储卡），但不能运作。	• 要保证外置存储设备正确连接或尝试将其格式化。 • 要保证 JPEG 文件已存储到外置存储设备中。 • 图片文件异常(0字节，JPEG 损坏) 将不能在显示屏中显示。 • 不支持已连接的外存储涉笔，尝试其它的存储设备。
竖直图片水平显示。	• 被存储为 JPEG 文件或以 CMYK 颜色座标格式存储的 JPEG 图像 • 图片经过 JPEG 图片编辑器(Photoshop, Paintshop 等软件.)编辑后可能不被正常显示。在计算机上编辑图片，再转化为 JPEG 格式，保存，并在此尝试。
一些图片不能作为幻灯片显示。	本产品可容纳 10,000 张图片。超过此限度图片将不能被识别，并且将不能作为幻灯片显示。
转动时图片尺寸发生变化。	为了在屏幕上显示整个图片，图片尺寸会根据旋转的角度（90度，-90度）自动变化。
图片看起来被水平或竖直拉伸。	按下幻灯显示屏上的【菜单】，进入到<设置> - <图片> - <屏幕分辨率> 并更换设置为<变更为初始尺寸>并再次进行检查。
浏览过慢	浏览大尺寸图片和多媒体图片时可能会比较缓慢。
仅在存储卡中存储了一张图片以幻灯片效果显示或点击存储卡中的其它图片可停止幻灯片。	为保护显示屏，幻灯片效果将会自动显示。此不为故障。
以什么顺序排列存储在存储卡里的图片，是否显示？	按照文件名称排列，幻灯片显示顺序是由编号顺序，大写字母和小写字母决定。 请以 25 个字母备注文件名称，否则不可识别。

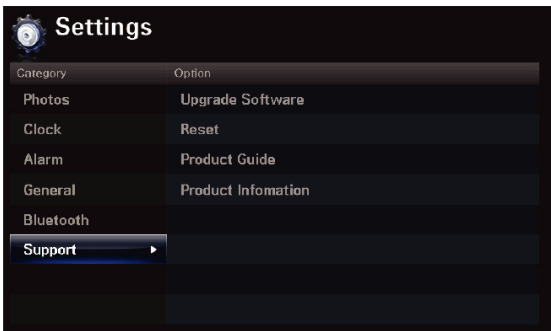
征兆	原因和矫正措施
幻灯显示不能自动开始。	保证在<设置> - <普通设置>中的<开始模式>被设置为<幻灯显示>。
已经设置了<自动屏幕开/关>但是屏幕不能自动切换。	• 保证当前时间设置正确。 • 当<自动屏幕开/关>被设置后，如果关闭数字相框的电源，屏幕将不能进行自动切换。只有在自动屏幕关闭时间时，电源被关闭，屏幕会自动开启。
从 USB 存储器或 SD 卡中复制的图片到内置存储器后，分辨率和文件尺寸发生变更。	当它们被拷贝到内置存储器时，本产品会高分辨率的文件尺寸会发生变更以达到屏幕的理想分辨率。

4-7. 升级

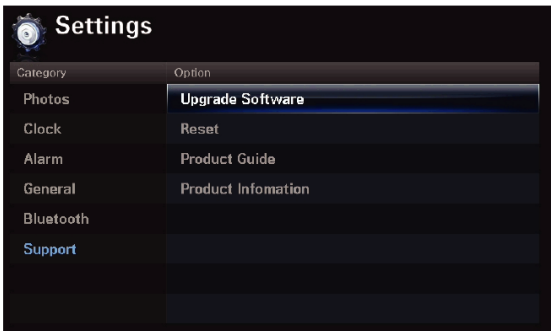
1. 将最新固件复制到 SD 或 USB 存储卡上。（可以从 www.samsung.com 下载最新固件升级程序。）
2. 将存储卡（SD、USB）插入数字相框的端口之一中。
3. 选择设置菜单。



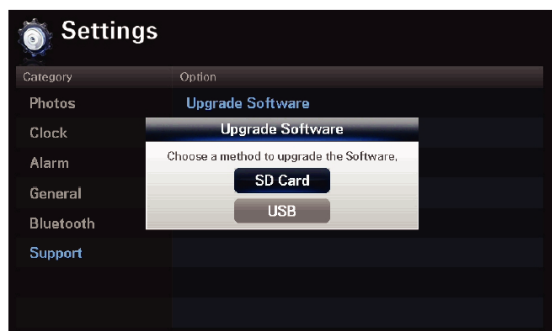
4. 选择支持。



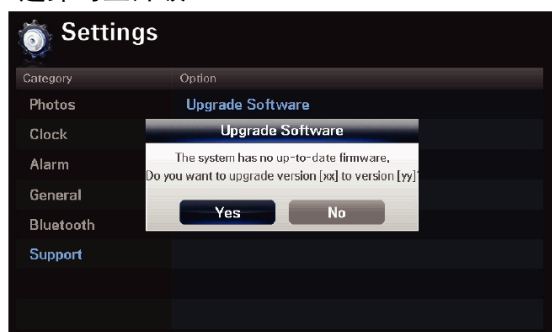
5. 选择升级软件。



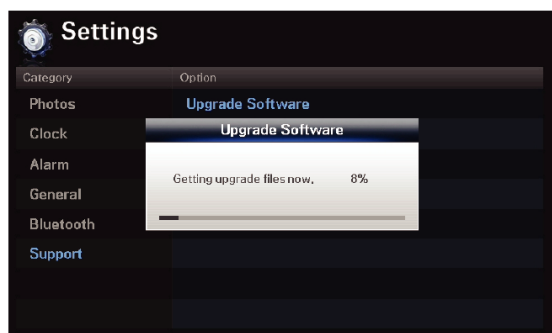
6. 选择含有复制的固件的存储卡。
(显示当前插入数字相框的所有存储卡的列表。)



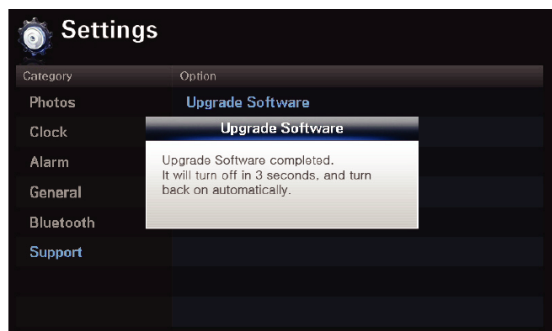
7. 选择马上升级。



8. 进度状态条显示在屏幕上，在升级过程中不要将存储卡卸下。



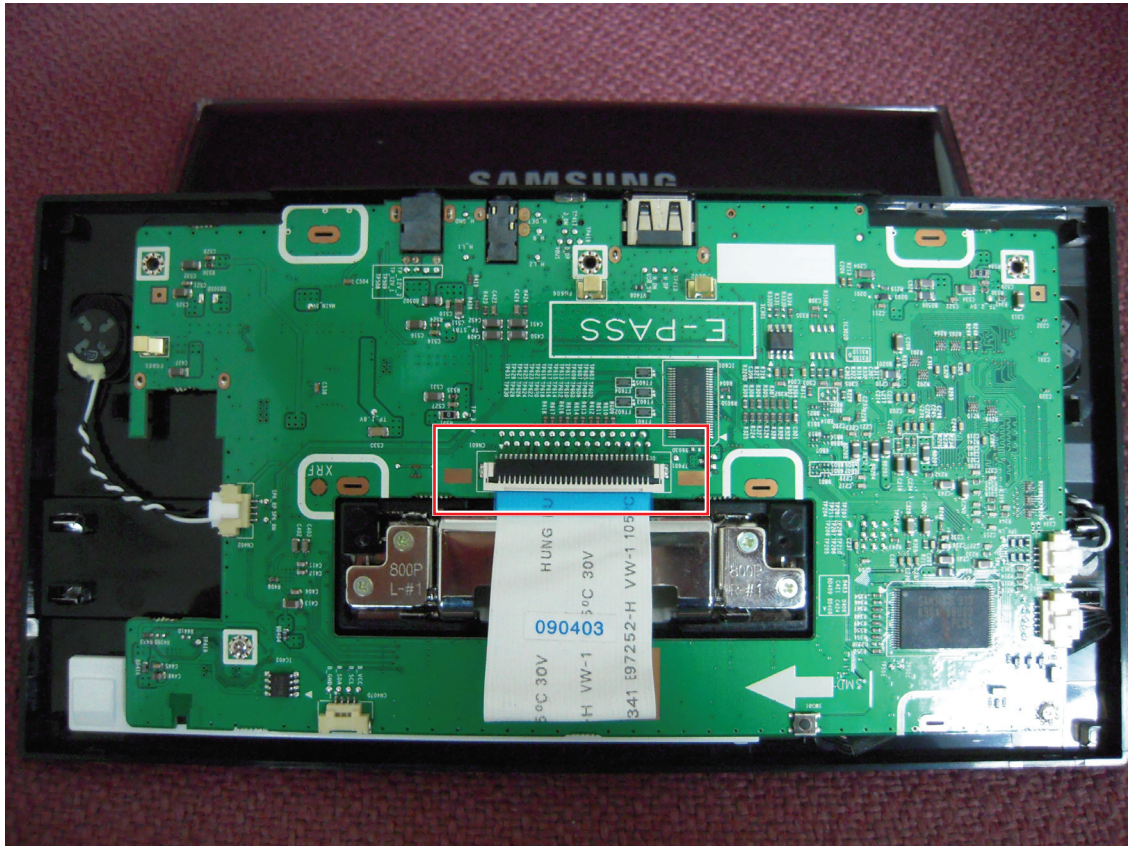
9. 当完成升级时，关闭并再次启动系统。



备忘录

6. Wiring Diagram

6-1. Wiring Diagram



6-2. Pin Assignment

■ 800P

LVDS Connector is used for the module electronics interface. The recommended model is MDF76KBW-30S-1H(58) manufactured by Hirose.

Pin No.	Signal	I/O	Description
1	VCC	P	Power voltage for digital circuit
2	VCC	P	Power voltage for digital circuit
3	VCC	P	Power voltage for digital circuit
4	U/D	I	Select up or down scanning direction
5	L/R	I	Select left to right scanning direction
6	VSS	P	Ground
7	VSS	P	Ground
8	Rin0-	I	- LVDS differential data input (R0-R5,G0)
9	Rin0+	I	+ LVDS differential data input (R0-R5,G0)
10	VSS	P	Ground
11	Rin1-	I	- LVDS differential data input (G1-G5,B0-B1)
12	Rin1+	I	+ LVDS differential data input (G1-G5,B0-B1)
13	VSS	P	Ground
14	Rin2-	I	- LVDS differential data input (B2-B5,HS,VS,DE)
15	Rin2+	I	+ LVDS differential data input (B2-B5,HS,VS,DE)
16	VSS	P	Ground
17	ClkIN-	I	-LVDS differential clock input
18	ClkIN+	I	+LVDS differential clock input
19	VSS	P	Ground
20	Rin3-	I	- LVDS differential data input (R6-R7,G6-G7,B6-B7)
21	Rin3+	I	+ LVDS differential data input (R6-R7,G6-G7,B6-B7)
22	VSS	P	Ground
23	VLED	P	Power voltage for LED circuit
24	VLED	P	Power voltage for LED circuit
25	GLED	P	Ground for LED circuit
26	GLED	P	Ground for LED circuit
27	NC	—	No Connection
28	NC	—	No Connection
29	ADJ	P	Adjust the Back Light brightness
30	DTH	P	Dithering function

■ 1000P

CN1 (Input signal): FI-XB30SSRL-HF16 (JAE or equivalent)

Pin No.	Signal	Description
1	GND	Ground
2	VDD	3.3V Power
3	VDD	3.3V Power
4	V_EDID	3.3V Power for EDID
5	ADJ	Adjust for LED brightness
6	CLK_EDID	EDID Clock Input
7	DATA_EDID	EDID Data Input
8	RXIN0-	LVDS Signal - channel0-
9	RXIN0+	LVDS Signal+ channel0+
10	GND	Ground
11	RXIN1-	Data Input channel1-
12	RXIN1+	Data Input channel1+
13	GND	Ground
14	RXIN2-	Data Input channel2-
15	RXIN2+	Data Input channel2+
16	GND	Ground
17	RXCLKIN-	Data Input CLK-
18	RXCLKIN+	Data Input CLK+
19	GND	Ground
20	NC	NC
21	NC	NC
22	GND	Ground
23	GND	Ground
24	VLED	LED Power +5V
25	VLED	LED Power +5V
26	VLED	LED Power +5V
27	NC	NC
28	NC	NC
29	NC	NC
30	NC	NC

■ Connector role

Loc. No.	Description
CN601	Connected to the panel and transmits video data.

Memo