DVD INTERFACE SCHEMATIC

SCHEMATIC NOTES
1. RESISTANCE VALUES ARE IN OHMS; K=X1000, Meg=X1,000,000.
   RESISTORS ARE 0.250W 5%, EXCEPT WHERE INDICATED.
   [ ] INDICATES FLAT MAXI-CHIP COMPONENT, 1/8W EXCEPT WHERE INDICATED.
   / \ INDICATES FLAT MINI-CHIP COMPONENT, 1/16W EXCEPT WHERE INDICATED.
2. CAPACITANCE VALUES 1.0 AND ABOVE ARE IN uF. VALUES BELOW 1.0 ARE IN Pu
   EXCEPT WHERE INDICATED. VOLTAGE RATING IS 50V EXCEPT WHERE INDICATED.
   [ ] INDICATES FLAT MAXI-CHIP COMPONENT.
   / \ INDICATES FLAT MINI-CHIP COMPONENT.
   \ / INDICATES FLAT MINI-CHIP COMPONENT.
3. ⏚ DENOTES CHASSIS GROUND. ⊗ INDICATES CONNECTION VIA POINT-TO-POINT WIRE.
   ⏚ DENOTES ISOLATED GROUND.
   ↷ INDICATES JUMPER WIRE.
   ⟷ INDICATES ZERO OHM CHIP COMPONENT.

ALL INTEGRATED CIRCUITS AND MANY OTHER SEMICONDUCTORS ARE ELECTROSTATICALLY SENSITIVE AND REQUIRE SPECIAL HANDLING TECHNIQUES DESCRIBED UNDER "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" IN THE SAFETY AND SERVICING PRECAUTIONS PUBLICATION.

PRODUCT SAFETY NOTE

COMPONENTS WITH A ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY. BEFORE REPLACING ANY OF THESE COMPONENTS READ CAREFULLY THE PRODUCT SAFETY NOTICE IN THIS SERVICE DATA. DO NOT DEGRADE THE SAFETY OF THE SET THROUGH IMPROPER SERVICING.

SIGNAL PCB / AC INPUT PCB

BP611: 1 LED_R; 2 LED G/PWR SW; 3 IR; 4 +5V_STBY; 5 GND; 6 KEYB_A; 7 PF_17; 8 NC — NC; 9 +5V
TO HK001 ON DVD KEYBOARD
+5VsDVD <20-J>
RP603 3.4V LED; RP602 1.7V SOFT SW; 4.9V IR; +5V UP; GND; 0V KEYBOARD; +3.3V UP
PART OF BP601
SEE BR001 (PAGE 9-6)
RP610 39K; CP610 0.22 100V; TP610 AMP; RP614 1Meg; RP612 12K; RP611 2200; TP611 BUFFER; RP613 2200; RP601 220; DP601
+5VsDVD <20-J>; +3.3VsDVD <20-J>
BP612: 1 IIC4_CLK; 2 IIC4_DAT
TO ON DVD KEYBOARD
RP622 JP621 RP621; RP625 JP622 RP624
BP502 BP004: 6 GND; 5 RESTART 5.0V; 4 EXT ON 5.0V; 3 IIC_CLK_4 5.0V; 2 IIC_DAT_4 5.0V; 1 GND
JR046 0; JR041 0
IIC_CLK_4 <140-I>; IIC_DAT_4 <140-I>
JP601
TP605 SWITCH; TP606 SWITCH; RP608 680; CP621 0.1 100V; RP606 4700; RP605 10K; RP607 100
+5VsDVD <20-J>; +5VsDVD <20-J>
BP605 BR005: 6 DVD ON 5.0V; 5 +3.3V; 4 IRDA ON 3.4V; 3 GND; 2 IRDA OUT 3.4V; 1 +5V
+3.3VsSI <60-K>; +5V_VSI <60-G>
RR163 4700; RR161 47K; RR187 4700
+3.3VsUP_SI <60-K>; +3.3VsUP_SI <60-K>; +5VsUP_SI <60-I>
CR162 39; CR161 39; CR187 0.047 16V; RR183 47K; CR183 100; CR184 100; RR184 47K
+5VsUP_SI <60-I>; +5VsUP_SI <60-I>
PART OF RR323 100; PART OF RR323 100; PART OF RR325 100; PART OF RR323 100; PART OF RR321 100
3.4V 92 SDOUT; 3.4V 91 SIRIN; 5.0V 101 GPIO(23); 0V 84 GPIO(10); 5.0V 79 GPIO07
PART OF IR001 GEMCAM MICROPROCESSOR (SEE BLOCK DIAGRAM PAGE 9-26)

AC INPUT PCB | SIGNAL PCB

DVD INTERFACE PCB

Page 9-49