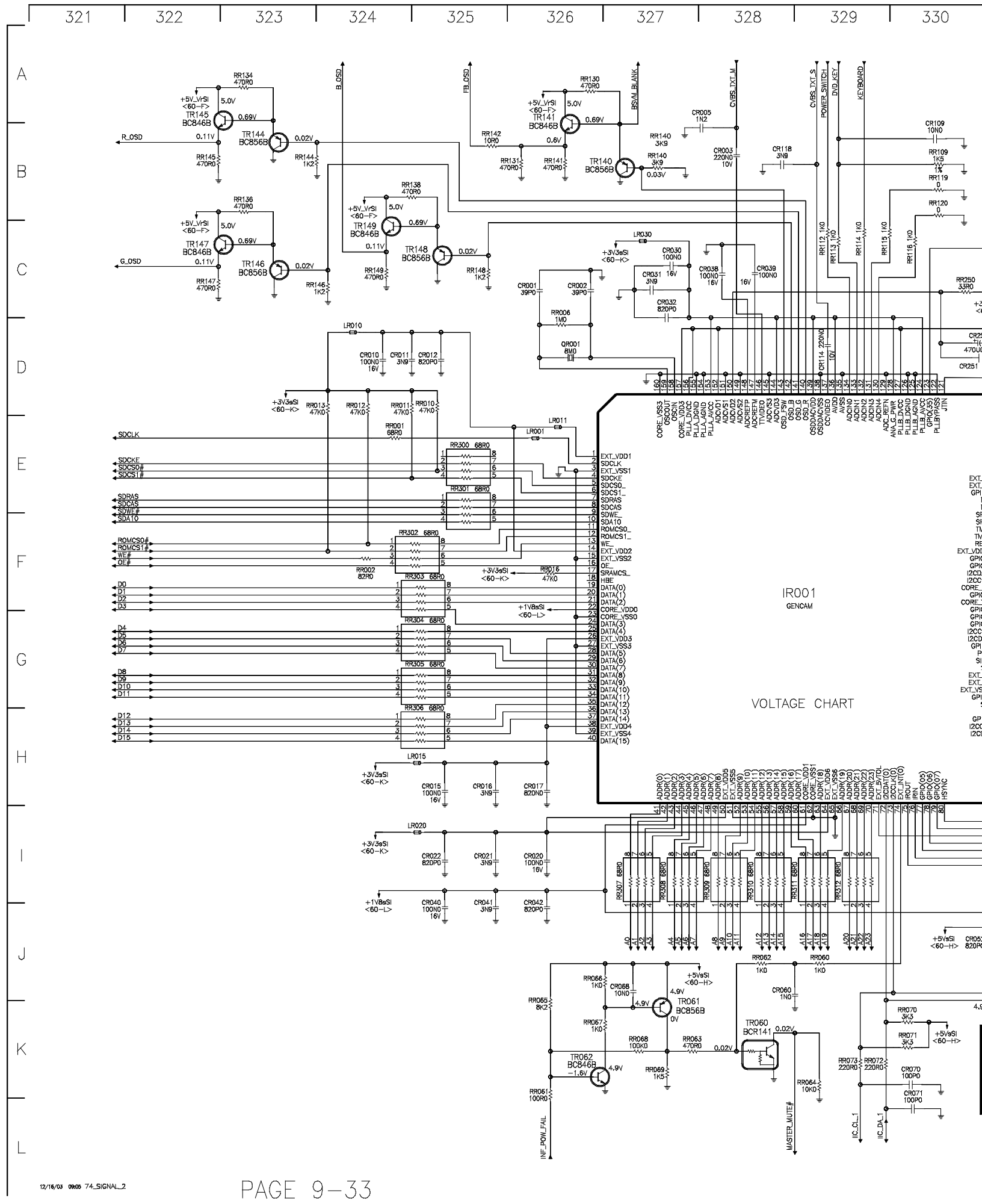
SIGNAL SCHE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A
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K
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R_OSD
G_OSD
B_OSD
FB_OSD
BSM_BLANK
CVBS_TXT_S
CVBS_TXT_M
POWER_SWITCH
DVD_KEY
KEYBOARD
TR145 BC846B
TR144 BC856B
TR147 BC846B
TR146 BC856B
TR149 BC846B
TR148 BC856B
TR141 BC846B
TR140 BC856B
TR061 BC856B
TR062 BC846B
TR060 BCR141
IR001
GENCAM
VOLTAGE CHART
SDCLK
SDCKE
SDCS0#
SDCS1#
SDRAS
SDCAS
SDWE#
SDA10
ROMCS0#
ROMCS1#
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D0
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D15
INF_POW_FAIL
MASTER_MUTE#
IIC_CL_1
IIC_DA_1

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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 µF, VALUES BELOW 1.0 ARE IN Pp 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.

SERVICE NOTICE

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.

IR040 NCP303LSN30T1
CR043 47N0 3.0V 16V
3.4V +3V3sSI <60-K> RR004 4K7 RESET#
RR044 4K7 RR045 4K7 RR046 4K7 +3V3sSI <60-K>
RR339 68R0 LR025 CR025 100N0 16V CR026 3N9 CR027 820P0
RR196 47K0 RR195 47K0 RR194 47K0
RR338 68R0 LED_TOPLIGHT RESET_DMU# AQR_ON (US) DVI_DETECT
RR190 1K0 CR192 1N0
RR185 4K7 +3V3sSI <60-K> RR111 12K0 +5V_VrSI <60-F>
RR337 68R0 5V_ON_CHECK ECO_STANDBY# RR189 100R0 (US) 480_ON
CR186 1N0 CR190 10N0 CR113 100N0 16V RR110 15K0 RR180 4K7 RR154 10K0 RR181 3K3 RR182 3K3 +5VsSI <60-H>
RR336 68R0 SAFETY_ENABLE AUDIO_STBY_MUTE# JR326 0 IIC_DA_4 IIC_CL_4
CR181 39P0 CR182 39P0
+5VsSI <60-H> RR198 10K0 RR199 100R0 PO_TR PO TR198 BC846B
RR172 47K0 RR161 47K0 RR163 4K7 RR170 1K8 RR171 1K8 RR157 4K7 +3V3sSI <60-K>
RR334 68R0 IIC_CL_3 IIC_DA_3 RR175 3K3 FW_ADJUST EFC IRDA_OUT IRDA_IN
RR333 68R0 UART_OUT
CR172 100P0 CR175 220N0 CR170 39P0 CR171 39P0
+3V3sSI <60-K> RR156 47K0 RR187 4K7 RR183 4K7 RR160 3K3 RR159 3K3 +5VsSI <60-H>
RR332 68R0 UART_IN EXT_ON# IIC_CL_2 IIC_DA_2 DC_DC_ON#
CR160 100P0 CR159 100P0
RR335 68R0
RR053 4K7 +3V3sSI <60-K> RR056 10K0 RR184 47K0 +5VsSI <60-H>
RR331 68R0 G2_ADJUST RESET_AUDIO# JR325 0 (US) LONG_POW_INTERP# VDFL HDFL
RR330 68R0 RESTART_LED JR184 0 SAFETY_INT RR078 12K0 INT_DMU IR_UC IR_OUT
CR052 820P0 CR051 3N9 CR050 100N0 16V RR079 18K0 CR053 1N0 CR079 10N0 RR055 100K0 CR055 470U0 10V

IR005 M24C64-WMN6
4.9V SDA SCL WC VCC VSS E3 E2 E1 E0 CR075 47N0 16V +5VsSI <60-H>

IR006 PCF8574TS
INT SCL NC SDA VDD A0 A1 NC A2 P0 P7 P6 NC P5 P4 VSS P3 NC P2 P1
IIC_CL_2 RR081 100R0 CR081 39P0 IIC_DA_2 RR080 100R0 CR082 39P0 RR082 10K0 CR083 47N0 16V
0.05V 4.9V 4.8V 0V 4.8V 4.9V 0.02V 0V 4.6V 0.54V
+5VsSI <60-H> RR107 4K7 RR104 10K0 RR106 4K7 CR106 100P0
RR341 68R0 DEGAUSS INFO_P6 (US) 3D_FRAME
RR340 68R0 SYNC_ENABLE PS_DF_ON TUBE_DETECTION MASTER_MUTE#
RR101 10K0 RR103 10K0 +5VsSI <60-H>