SIGNAL SCHEMATIC (16 OF 18)

601 602 603 604 505 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620

A B C D E F G H I J K L

RA122 100K0 HEATSINK
–UA <604–H>
CA131 10N0 HEATSINK
CA132 1N0
GND

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 pF, VALUES BELOW 1.0 ARE IN Fo
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.

+5VArSI <60–F> RA419 22K0
DA402 LL4148
AUDIO_STBY_MUTE#

MASTER_MUTE#
HP_LEFT
HP_RIGHT
MAIN_LEFT
MAIN_RIGHT
L/R_MUTE#

RA211 470R0 RA212 470R0 CA203 22U0 63V GNDP
+UA <604–G>
RA209 120K0 RA208 4K7 DA203 ZMM12 GNDP 16.3V
CA202 100U0
RA210 10K0
DA202 LL4148
TA200 BC856B 0.01V
RA200 120MI0 +UA1
CA200 100U0 16V
RA201 5K6 DA200 LL4148
RA203 4K7 15.9V
RA204 5K6 GNDP
RA207 22K0 0V
TA202 BC846B 0.64V GNDP
TA201 BC846B 12.0V GNDP
RA205 22K0
RA206 2K2 GNDP
RA202 10K0
CA201 100U0 16V GNDP
DA131 LL4148

BA010 (S)
BA010 FROM BP130
CA174 220N0
CA173 220N0
+UA SOURCE
–UA SOURCE
GNDP

VOLTAGE CHART

DA130 LL4148
RA130 22K0
0.52V
TA130 BCR141 0V
RA133 33K0
RA135 150K0
GND
2.6V
TA131 BCR141
GND

CA163 4U7 25V
RA167 3K9
CA162 4U7 25V
RA166 3K9
RA174 150R0 2W
+UA <604–G>
DA170 ZMM5.1
CA175 470U0 25V GNDP
RA176 100K0
RA169 18K0 2.6V
2.6V
CA179 10U0 16V GND
GND
IA003 TS482D
5.2V
2.6V
RA175 100K0
GND
RA168 18K0 2.6V
CA176 100N0 16V GND
GNDP
GND
CA177 470U0 25V
CA123 1N0 GND
GNDP
RA173 10K0 GNDP
DA171 ESDA14V2L
RA171 4R7
LA171
LA170
BA002 (M)
BA002 TO/FROM BQ009
GNDP
CA178 470U0 25V
RA170 4K7
RA172 10K0 GNDP
DA172 ESDA14V2L
VOLTAGE CHART

–UA <604–H>
DA110 LL42
CA125 100N0 16V
CA124 470U0 25V
CA117 22U0 16V
GNDP GNDP GNDP GNDP GNDP
GND
RA111 4K7
RA115 1K0
–15V
CA113 4U7 25V
CA115 330P0
RA113 5K6
GND
IA002 TDA7269
RA134 68K0
CA130 220N0
RA117 560R0
RA119 22K0
RA118 22K0
RA116 560R0
CA116 22U0 16V
RA121 4R7
CA121 3N3
CA119 100N0 63V
RA120 4R7
CA120 3N3
CA118 100N0 63V
BA001 (M)
BA001 TO BA021
GNDP L
GNDP R
CA112 4U7 25V
RA110 4K7
CA114 330P0
RA114 1K0
RA112 5K6 11.7V
CA122 0
CA128 100N0 16V
CA127 470U0 25V
RA250 100K0
RA251 100K0

SAFETY_AP
+5VArSI <60–F>
DA250 LL4148
RA259 10K0
RA256 470R0
TA252 BC856B 5.1V
RA255 47K0
RA254 47K0
5.0V
CA251 10U0 16V GND
TA253 BC846B 5.1V
RA260 100R0 0V
RA257 390K0 0V
CA252 10U0 16V GND
RA258 100K0 GND
RA262 100R0 5.0V 0V GND
TA250 BC846B 5.0V
TA251 BC846B 0.03V
RA261 100R0 0.03V GND
+UA <604–G>
RA253 100K0
CA250 4U7 25V GND
RA252 100K0
RA263 8K2 GND
–UA <604–H>

SCALE 1=1.5
12/16/03 11:11 74_SIGNAL_16

PAGE 9–47