SIGNAL SCHEMATIC (8 OF 18)

441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460

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

BT008
DDC_SCL
DDC_SDA
+5VsSI <60-H>
CT661 39P0
CT660 39P0
LT661 240R0
LT660 240R0
RT661 68R0
RT660 68R0
+5V_DVI <443-G>
DT604 ZMM6.8
RT603 4K7
+3.3V_DVI <455-I>
IC620
M24C02-WMN6
VCC WC SCL SDA E0 E1 E2 VSS
RT613 4K7
CT604 100N0 16V
RT602 100R0
RT601 100R0
DT603 ZMM6.8
DT602 ZMM6.8
BT600
RX2-
RX2+
SCL
SDA
RX1-
RX1+
+5V
HTPLUG
RX0-
RX0+
TXC+
TXC-
TT602 PMBF170
TT601 PMBF170
+3.3V_DVI <455-I>
RT605 100R0
RT606 100R0
RT604 33K0
VOLTAGE CHART
IT600
SII907B
RESERVED 38
SCLS 15
SDAS 14
RT607 10R0
RT608 10R0
RX2- 49
RX2+ 48
RX1+ 51
RX1- 52
RX0+ 2
RX0- 3
RXC+ 5
RXC- 6
IT607 NSAD500H
IT608 NSAD500H
RT610 33K0
RT609 33K0
PD_DAC 20
PD 11
RT611 301R0 1%
EXT_RES 8
AVCC_1 1
AVCC_2 7
AGND_1 4
AGND_2 50
AGND_3 47
PVCC_1 9
PGND_1 10
VCC_1 13
VCC_2 22
VCC_3 46
GND_1 12
GND_2 21
GND_3 45
OVCC_1 17
OVCC_2 41
OGND_1 16
OGND_2 43
LT601 330N0
CT602 100N0 16V
+5V_DVI SOURCE
LT611 330N0
CT611 10U0 16V
CT612 100N0 16V
CT613 100P0
CT614 100P0
LT612 330N0
CT615 10U0 16V
CT616 100N0 16V
CT617 100P0
LT613 330N0
CT618 10U0 16V
CT619 100N0 16V
CT620 100P0
CT621 100P0
CT622 100P0
LT614 330N0
CT623 10U0 16V
CT624 100N0 16V
CT625 100P0
CT626 100P0
BT100
L
R
CT101 220P0
RT101 100K0
CT103 330P0
RT103 4K7
RT104 4K7
RT102 100K0
CT102 220P0
CT104 330P0
DVL_R_IN
DVL_L_IN
DVI_HSYNC
DVI_VSYNC
DVI_R
DVI_B
DVI_G
IIC_DA_4
IIC_CL_4
INFO_P6
BT009
DVI_DETECT
IIC_CL_4
IIC_DA_4
IIC_CL_3
IIC_DA_3
Y/CVBS_FACTORY
IIC_CL_2
IIC_DA_2
IIC_CL_1
IIC_DA_1
RT230 68R0
IT230 NSAD500H
RT231 68R0
RT232 0
IT231 NSAD500H
BT230
Y/CVBS
GND
IIC_CL_4
IIC_DA_4
IIC_CL_3
IIC_DA_3
IIC_CL_2
IIC_DA_2
IIC_CL_1
IIC_DA_1
SDAM 36
SCLM 34
SCDT 40
HSYNC 18
VSYNC 19
RT621 3K3
RT622 470R0
RT623 470R0
IOR 23
IOG 26
IOB 31
LT621 680N0
LT622 680N0
LT623 680N0
RT626 75R0
RT627 75R0
RT628 75R0
CT631 22P0
CT632 22P0
CT633 22P0
CT634 22P0
CT636 22P0
CT635 22P0
RESETN 39
ODCK 42
DE 44
COMP 30
DACVCC 37
RESET 29
DACGND 35
DACVCCR 24
DACGNDR 25
DACVCCG 27
DACGNDG 28
DACVCCB 32
DACGNDB 33
RT632 300R0
RT631 300R0
TT631 BC846B
TT632 BC856B
RT633 300R0
RT634 470R0
RT635 100K0
RT636 1M0
CT642 47U0 16V
CT643 10N0
CT644 10U0 16V
RT637 143R0 1%
CT645 100P0
CT646 100N0 16V
CT647 10U0 16V
CT648 100P0
CT649 100N0 16V
CT650 10U0 16V
CT651 100P0
CT652 100N0 16V
CT653 10U0 16V
CT654 100P0
CT655 100N0 16V
CT656 10U0 16V
LT641 330N0
LT642 330N0
LT643 330N0
LT644 330N0

SCHEMATIC NOTES
1. RESISTANCE VALUES ARE IN OHMS; K=X1000, Meg=X1,000,000.
RESISTORS ARE 0.25W 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 µ
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

SENSE_3V3
DT601 LL4148
IT630 LD1117DT33
+3.3V_DVI SOURCE
CT691 470U0 10V
CT692 220N0
OUT IN GND
6V
CT693 220N0
+6VrSI <60-F>

SILICON Image SII907 (topview)
1 7 8 46 47 21 20 34 33

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.

SCALE .18=.3
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