SCT GROUNDING

POWER SUPPLY MODULE CASE IS TIED DIRECTLY TO SHIELD, AND ISOLATED FROM EARTH, EXCEPT FOR POSSIBLY A "SOFT" TIE.
ATLAS SCT POWER SUPPLY
PATCH PANEL 1 (PPB1)

ATTACHMENT PADS FOR ONE
POWER TAPE FROM PATCH PANEL 2.

P35 PAD
P34 PAD
P33 PAD
P32 PAD
P31 PAD
P30 PAD
P29 PAD
P28 PAD
P27 PAD
P26 PAD
P25 PAD
P24 PAD
P23 PAD
P22 PAD
P21 PAD
P20 PAD
P19 PAD

PINBIAS
ILED
ILEDX
RESET
SELECT
VDD
VDD.SENSE
DG
D.C.SENSE
TEMP1
TEMP2
VCC.SENSE
AC.SENSE
VCC
AC
BIAS
BIAS.RET

Heatspreader plate (system common)

Optional C15 0.022 uF
500V

C1 2.2 uF
C2 2.2 uF
C3 2.2 uF
C4 2.2 uF
C5 2.2 uF
C6 2.2 uF
C7 2.2 uF
C8 2.2 uF
C9 2.2 uF
C10 2.2 uF
C11 2.2 uF
C12 2.2 uF
C13 2.2 uF
C14 2.2 uF

12 POWER TAPES PER BOARD:
SIX TAPES WITH 100 uM ALUMINUM
SIX TAPES WITH 50 uM ALUMINUM

2.2uF CAPS ARE MURATA P/N GRM42-6X5R225K16
16V, 1206 PACKAGE, X5R DIELECTRIC.

CONNECTION TO HEAT SPREADER PLATE:
1) LOW INDUCTANCE
2) LOW RESISTANCE
3) CORROSION AND OXIDATION RESISTANT

THE HEAT SPREADER PLATE IS THE NODE
WERE ALL SUPPLIES ARE COMMONED.

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PPB1.1.SCH

SCIPP
Santa Cruz, CA 95064
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ATLAS SCT POWER SUPPLY
PATCH PANEL 1 (PPB1)