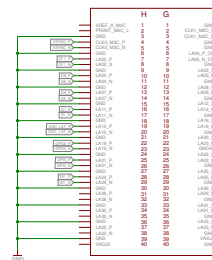


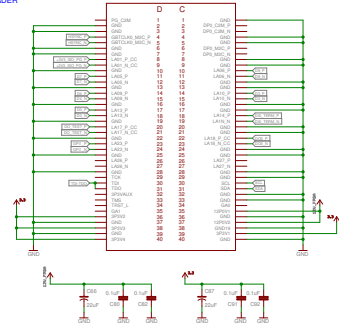
INPUT PROTECTION BIAS VOLTAGE -4.6V

DESIGNED BY:
JON NEUMAN, JACK ZHANG
TITLE: PCIe HOST BOARD
License:
CC-BY-SA-4.0
Date: 2/13/18 6:46 PM
Rev:
1.1
Sheet: 1/1

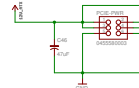
Seed 4 layer stackup:
1.4 mil trace
6 mil prepreg
0.7 mil trace
XX mil FR4 core
0.7 mil trace
6 mil prepreg
1.4 mil trace



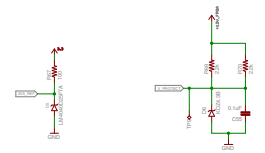
FMC HEADER



POWER INPUT



IMMEDIATE INPUT
OVERVOLTAGE PROTECTION

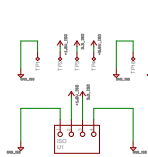


PCI ADD IN CARD



AQ. BOARD SIDE
HEADSTAGE SIDE

ISOLATED TEST POINTS



UEI15 Choices:
1.2V S4SE1002 w/ Rthm = Inf
5.5V UEI15-090-012P-C w/ Rthm = 9.53k resistor

Parity error on high-speed forward
channel and pass will go low. This
should be provided by SPC connector

Power = 1.3A @ 1.8V = 2.34W

With 1.3A @ 1.8V = 2.34W

and 1.3A @ 1.8V = 2.34W

and 1.3A @ 1.8V = 2.34W

and 1.3A @ 1.8V = 2.34W

and 1.3A @ 1.8V = 2.34W

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and 1.3A @ 1.8V = 2.34W

and 1.3A @ 1.8V = 2.34W

and 1.3A @ 1.8V = 2.34W

L2 is the smallest package size I could
find that barely meets current saturation
requirements. An 800mA device that is
probably safer is the Bourns SRN8040TA
series.

NOTES:
-ISO7840 Zo for 3.3V is ~100 Ohm