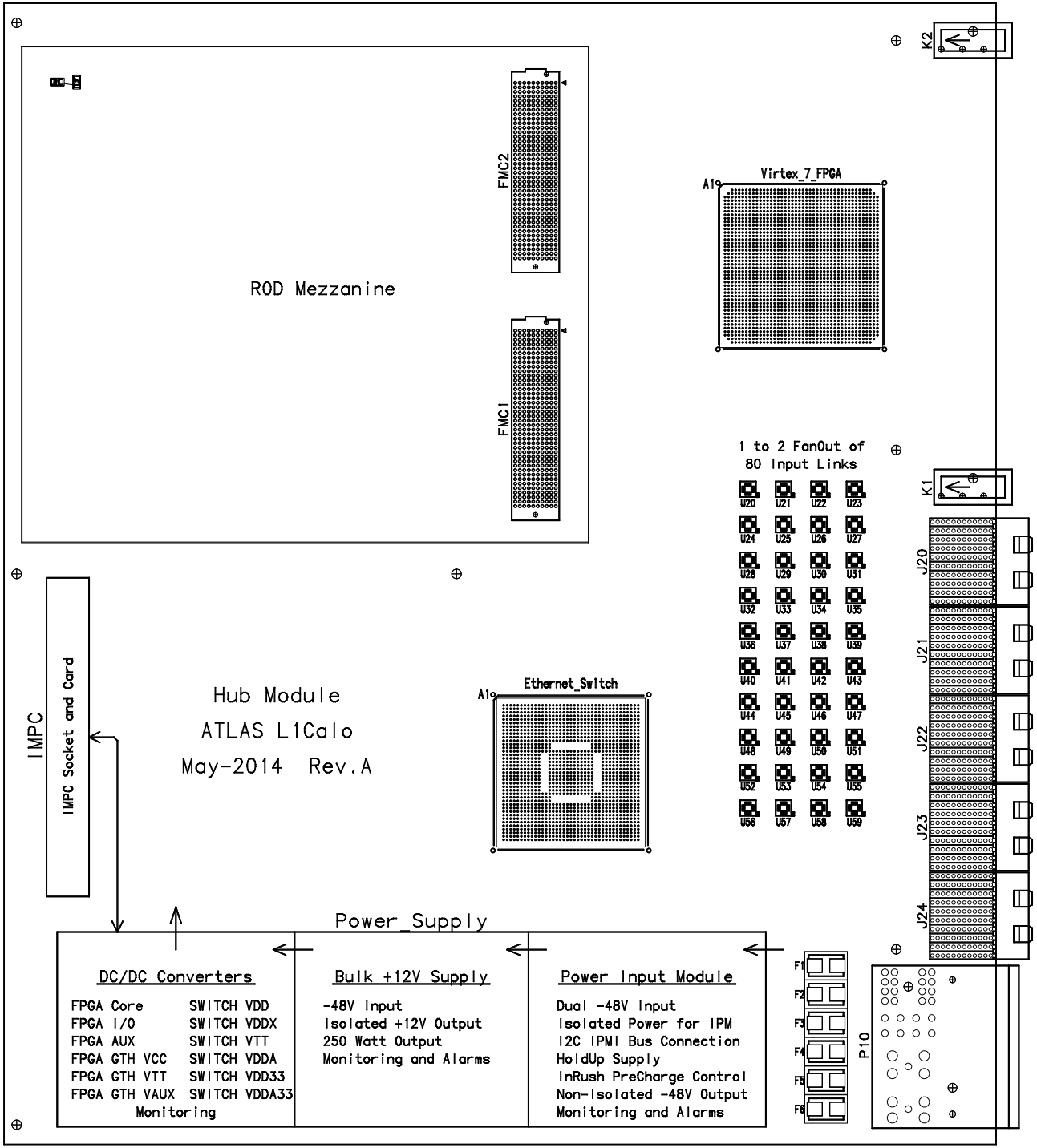
ROD Mezzanine
FMC2
FMC1
K2
Virtex_7_FPGA
A1
1 to 2 FanOut of
80 Input Links
U20 U21 U22 U23
U24 U25 U26 U27
U28 U29 U30 U31
U32 U33 U34 U35
U36 U37 U38 U39
U40 U41 U42 U43
U44 U45 U46 U47
U48 U49 U50 U51
U52 U53 U54 U55
U56 U57 U58 U59
K1
J20
J21
J22
J23
J24
IMPC
IMPC Socket and Card
Hub Module
ATLAS L1Calo
May-2014 Rev.A
Ethernet_Switch
A1
Power_Supply
DC/DC Converters
FPGA Core
FPGA I/O
FPGA AUX
FPGA GTH VCC
FPGA GTH VTT
FPGA GTH VAUX
SWITCH VDD
SWITCH VDDX
SWITCH VTT
SWITCH VDDA
SWITCH VDD33
SWITCH VDDA33
Monitoring
Bulk +12V Supply
-48V Input
Isolated +12V Output
250 Watt Output
Monitoring and Alarms
Power Input Module
Dual -48V Input
Isolated Power for IPM
I2C IPMI Bus Connection
HoldUp Supply
InRush PreCharge Control
Non-Isolated -48V Output
Monitoring and Alarms
F1
F2
F3
F4
F5
F6
P10