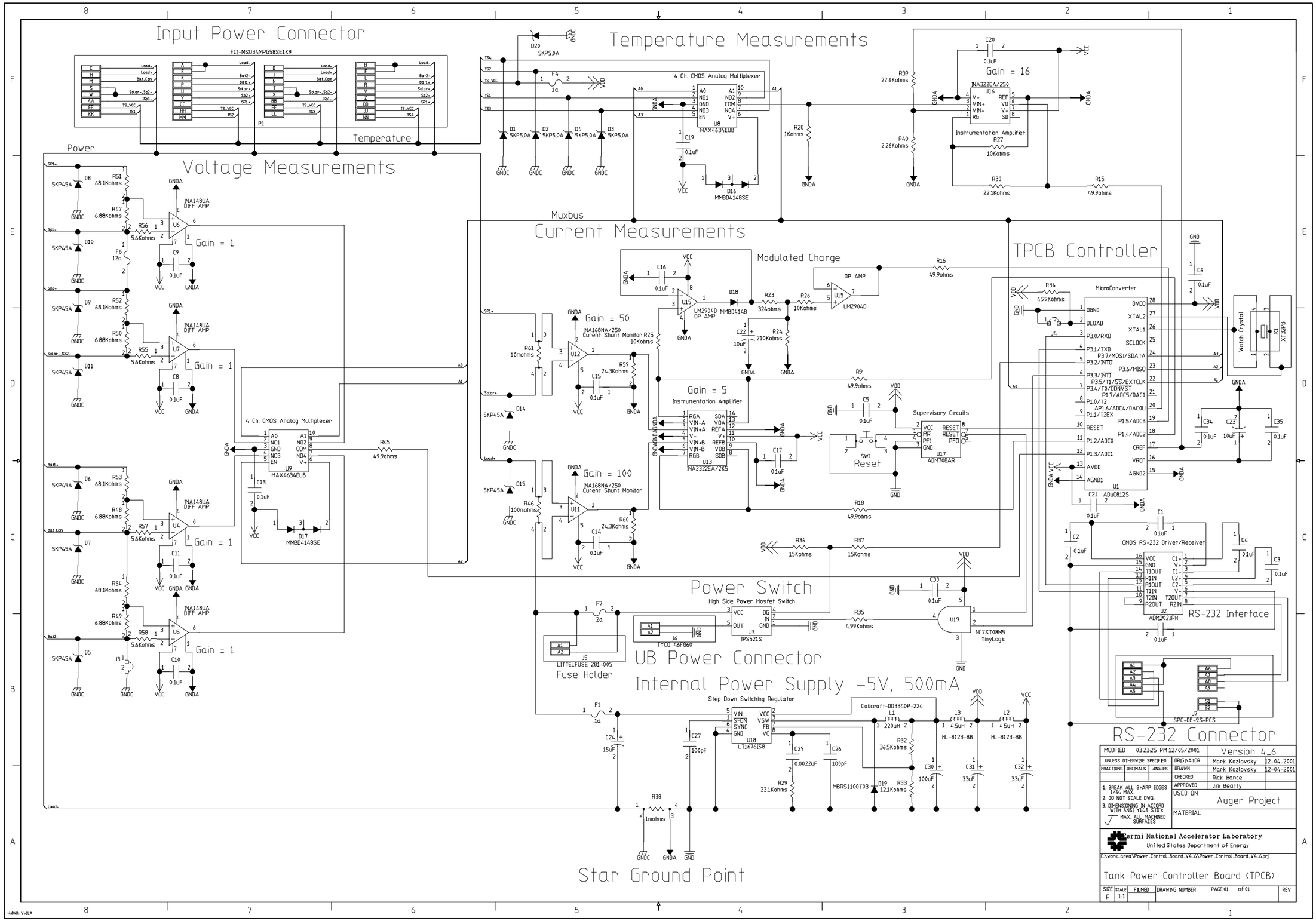
Input Power Connector
FCI-MS034MPG58SE1K9
P1
Temperature
Power
Temperature Measurements
4 Ch. CMOS Analog Multiplexer
U8
MAX4634EUB
Instrumentation Amplifier
U16
INA322EA/250
Gain = 16
Voltage Measurements
INA148UA DIFF AMP
Gain = 1
Muxbus
Current Measurements
Modulated Charge
OP AMP
LM2904D
Gain = 50
INA168NA/250 Curent Shunt Monitor
Gain = 100
Gain = 5
Instrumentation Amplifier
INA2322EA/2K5
Supervisory Circuits
ADM708AR
Reset
TPCB Controller
MicroComverter
ADuC812S
Watch Crystal
CMOS RS-232 Driver/Receiver
ADM202JRN
RS-232 Interface
Power Switch
High Side Power Mosfet Switch
IPS521S
NC7ST08M5
TinyLogic
UB Power Connector
TYCO 46F860
LITTELFUSE 281-005
Fuse Holder
Internal Power Supply +5V, 500mA
Step Down Switching Regulator
LT1676IS8
Coilcraft-D03340P-224
HL-8123-BB
MBRS1100T03
Star Ground Point
RS-232 Connector
SPC-DE-9S-PCS
MODIFIED 03:23:25 PM 12/05/2001
Version 4_6
UNLESS OTHERWISE SPECIFIED
FRACTIONS DECIMALS ANGLES
ORIGINATOR Mark Kozlovsky 12-04-2001
DRAWN Mark Kozlovsky 12-04-2001
CHECKED Rick Hance
APPROVED Jim Beatty
1. BREAK ALL SHARP EDGES 1/64 MAX.
2. DO NOT SCALE DWG.
3. DIMENSIONING IN ACCORD WITH ANSI Y14.5 STD's.
MAX. ALL MACHINED SURFACES
USED ON
Auger Project
MATERIAL
Fermi National Accelerator Laboratory
United States Department of Energy
C:\work_area\Power_Control_Board_V4_6\Power_Control_Board_V4_6.prj
Tank Power Controller Board (TPCB)
SIZE F
SCALE 1:1
FILMED
DRAWING NUMBER
PAGE 01 of 01
REV