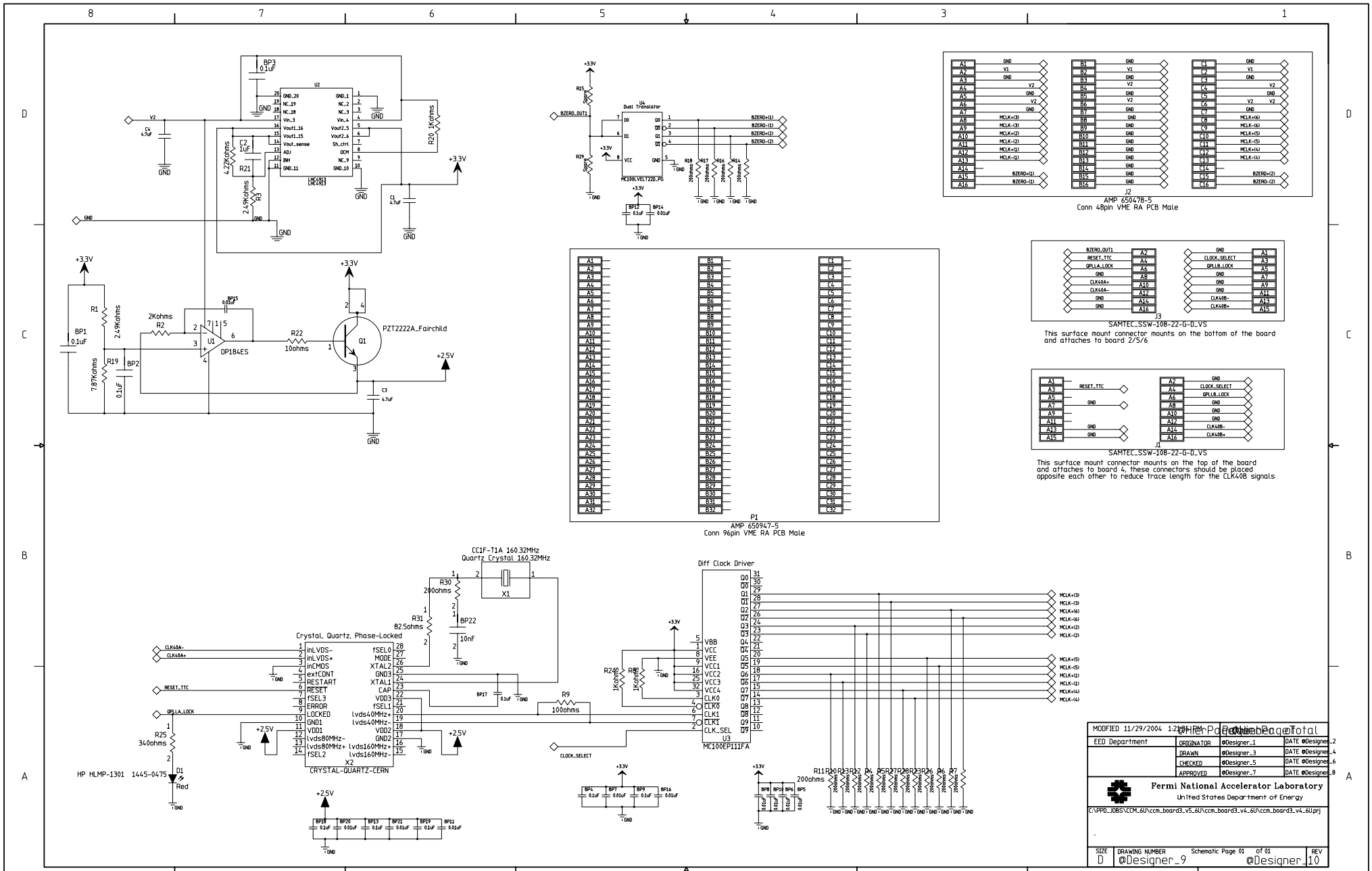

U2
LHC4913
LHC4913
BP3 0.1uF
C4 4.7uF
C2 1uF
R21 4.22Kohms
R3 2.49Kohms
R20 1Kohms
C1 4.7uF
+3.3V
GND
R1 2.49Kohms
BP1 0.1uF
R19 7.87Kohms
BP2 0.1uF
2Kohms R2
BP15 0.01uF
U1 OP184ES
R22 10ohms
Q1 PZT2222A_Fairchild
+2.5V
C3 4.7uF
U4 Dual Translator
MC100LVELT22D_PG
R15 Span
R29 Span
BZERO_OUT1
BZERO+(1)
BZERO-(1)
BZERO+(2)
BZERO-(2)
R18 200ohms
R17 200ohms
R16 200ohms
R14 200ohms
BP12 0.1uF
BP14 0.01uF
J2
AMP 650478-5
Conn 48pin VME RA PCB Male
J3
SAMTEC_SSW-108-22-G-D_VS
This surface mount connector mounts on the bottom of the board and attaches to board 2/5/6
J1
SAMTEC_SSW-108-22-G-D_VS
This surface mount connector mounts on the top of the board and attaches to board 4, these connectors should be placed opposite each other to reduce trace length for the CLK40B signals
P1
AMP 650947-5
Conn 96pin VME RA PCB Male
CC1F-T1A 160.32MHz
Quartz Crystal 160.32MHz
X1
R30 200ohms
R31 82.5ohms
BP22 10nF
Crystal, Quartz, Phase-Locked
X2
CRYSTAL-QUARTZ-CERN
R9 100ohms
R25 340ohms
HP HLMP-1301 1445-0475
D1 Red
Diff Clock Driver
U3
MC100EP111FA
R24 1Kohms
R8 1Kohms
CLOCK_SELECT
R11 200ohms
R20 200ohms
R23 200ohms
R22 200ohms
R4 200ohms
R5 200ohms
R27 200ohms
R28 200ohms
R23 200ohms
R26 200ohms
R6 200ohms
R7 200ohms
MODIFIED 11/29/2004 1:21:16 PM
EED Department
Fermi National Accelerator Laboratory
United States Department of Energy
C:\PPD_JOBS\CCM_6U\ccm_board3_v5_6U\ccm_board3_v4_6U\ccm_board3_v4_6U.prj
SIZE D
DRAWING NUMBER @Designer_9
Schematic Page 01 of 01
REV @Designer_10
H=8ND; V=4LA