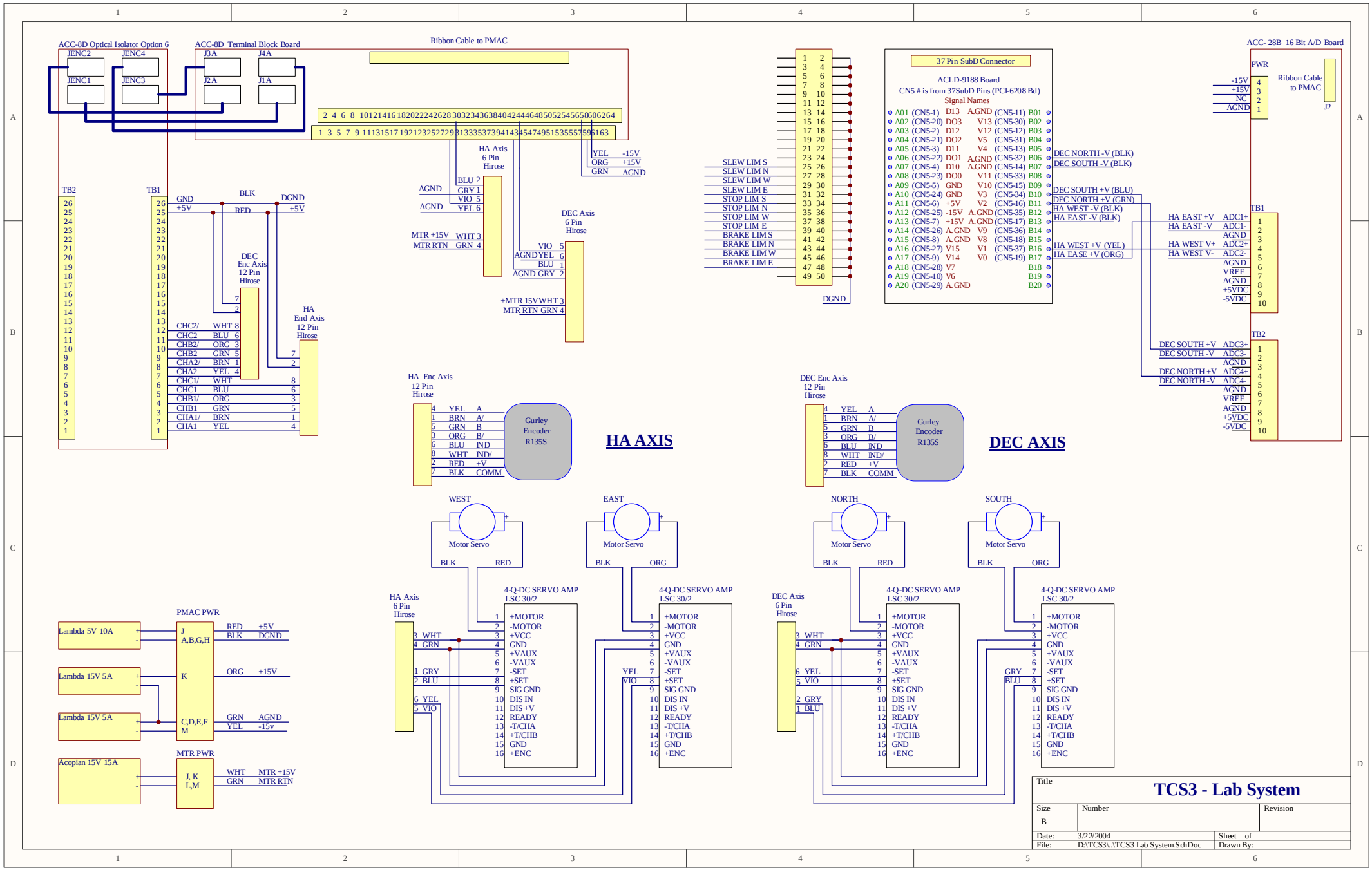
ACC-8D Optical Isolator Option 6
JENC2
JENC4
JENC1
JENC3
ACC-8D Terminal Block Board
J3A
J4A
J2A
J1A
Ribbon Cable to PMAC
TB2
TB1
GND
+5V
BLK
RED
DGND
+5V
DEC Enc Axis 12 Pin Hirose
HA End Axis 12 Pin Hirose
CHC2/ WHT
CHC2 BLU
CHB2/ ORG
CHB2 GRN
CHA2/ BRN
CHA2 YEL
CHC1/ WHT
CHC1 BLU
CHB1/ ORG
CHB1 GRN
CHA1/ BRN
CHA1 YEL
HA Axis 6 Pin Hirose
AGND
BLU
GRY
VIO
AGND
YEL
MTR +15V WHT
MTR RTN GRN
YEL -15V
ORG +15V
GRN AGND
DEC Axis 6 Pin Hirose
VIO
AGND YEL
BLU
AGND GRY
+MTR 15V WHT
MTR RTN GRN
SLEW LIM S
SLEW LIM N
SLEW LIM W
SLEW LIM E
STOP LIM S
STOP LIM N
STOP LIM W
STOP LIM E
BRAKE LIM S
BRAKE LIM N
BRAKE LIM W
BRAKE LIM E
DGND
37 Pin SubD Connector
ACLD-9188 Board
CN5 # is from 37SubD Pins (PCI-6208 Bd)
Signal Names
A01 (CN5-1) D13 A.GND (CN5-11) B01
A02 (CN5-20) DO3 V13 (CN5-30) B02
A03 (CN5-2) D12 V12 (CN5-12) B03
A04 (CN5-21) DO2 V5 (CN5-31) B04
A05 (CN5-3) D11 V4 (CN5-13) B05
A06 (CN5-22) DO1 A.GND (CN5-32) B06
A07 (CN5-4) D10 A.GND (CN5-14) B07
A08 (CN5-23) DO0 V11 (CN5-33) B08
A09 (CN5-5) GND V10 (CN5-15) B09
A10 (CN5-24) GND V3 (CN5-34) B10
A11 (CN5-6) +5V V2 (CN5-16) B11
A12 (CN5-25) -15V A.GND (CN5-35) B12
A13 (CN5-7) +15V A.GND (CN5-17) B13
A14 (CN5-26) A.GND V9 (CN5-36) B14
A15 (CN5-8) A.GND V8 (CN5-18) B15
A16 (CN5-27) V15 V1 (CN5-37) B16
A17 (CN5-9) V14 V0 (CN5-19) B17
A18 (CN5-28) V7 B18
A19 (CN5-10) V6 B19
A20 (CN5-29) A.GND B20
DEC NORTH -V (BLK)
DEC SOUTH -V (BLK)
DEC SOUTH +V (BLU)
DEC NORTH +V (GRN)
HA WEST -V (BLK)
HA EAST -V (BLK)
HA WEST +V (YEL)
HA EASE +V (ORG)
ACC- 28B 16 Bit A/D Board
PWR
-15V
+15V
NC
AGND
Ribbon Cable to PMAC
J2
TB1
HA EAST +V ADC1+
HA EAST -V ADC1-
AGND
HA WEST V+ ADC2+
HA WEST V- ADC2-
AGND
VREF
AGND
+5VDC
-5VDC
TB2
DEC SOUTH +V ADC3+
DEC SOUTH -V ADC3-
AGND
DEC NORTH +V ADC4+
DEC NORTH -V ADC4-
AGND
VREF
AGND
+5VDC
-5VDC
HA Enc Axis 12 Pin Hirose
YEL A
BRN A/
GRN B
ORG B/
BLU IND
WHT IND/
RED +V
BLK COMM
Gurley Encoder R135S
HA AXIS
DEC Enc Axis 12 Pin Hirose
YEL A
BRN A/
GRN B
ORG B/
BLU IND
WHT IND/
RED +V
BLK COMM
Gurley Encoder R135S
DEC AXIS
WEST
Motor Servo
BLK RED
EAST
Motor Servo
BLK ORG
NORTH
Motor Servo
BLK RED
SOUTH
Motor Servo
BLK ORG
HA Axis 6 Pin Hirose
3 WHT
4 GRN
1 GRY
2 BLU
6 YEL
5 VIO
4-Q-DC SERVO AMP LSC 30/2
+MOTOR
-MOTOR
+VCC
GND
+VAUX
-VAUX
-SET
+SET
SIG GND
DIS IN
DIS +V
READY
-T/CHA
+T/CHB
GND
+ENC
YEL
VIO
DEC Axis 6 Pin Hirose
3 WHT
4 GRN
6 YEL
5 VIO
2 GRY
1 BLU
GRY
BLU
PMAC PWR
Lambda 5V 10A
J
A,B,G,H
RED +5V
BLK DGND
Lambda 15V 5A
K
ORG +15V
Lambda 15V 5A
C,D,E,F
M
GRN AGND
YEL -15v
MTR PWR
Acopian 15V 15A
J, K
L,M
WHT MTR +15V
GRN MTR RTN
Title
TCS3 - Lab System
Size
B
Number
Revision
Date: 3/22/2004
Sheet of
File: D:\TCS3\..\TCS3 Lab System.SchDoc
Drawn By: