Sheet: Main

File: WinchBoard—Main.sch

Ten Mile Square Technologies
Sheet: /
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Title: Winch Termination Board
Size: USLetter | Date: 10—Sep—2018 | Rev: revA
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Load Cell

I2C Channel 3

I2C Channel 2

I2C Channel 1

Note: There are no I2C termination resistors on this board.
It is assumed that these are on the other end of the line.

Digital Input 1

Digital Input 2

Digital Output

+3.3V   +Vanalog
+3.3v   +Vanalog

Aout   GNDA

J1

TMDS_DATA2_P   Group A Twisted Pair
TMDS_DATA2_SHLD
TMDS_DATA2_N

GNDA

TMDS_DATA1_P   Group B Twisted Pair
TMDS_DATA1_SHLD
TMDS_DATA1_N

TMDS_DATA0_P   Group C Twisted Pair
TMDS_DATA0_SHLD
TMDS_DATA0_N

TMDS_CLOCK_P   Group D Twisted Pair
TMDS_CLOCK_SHLD
TMDS_CLOCK_N

RESERVED/CEC
HEC_DATA_N
DDC_SCL
DDC_SDA
DDC/CEC/HEC_GND
+5V
HP_DETECT/HEC_DATA_P

HDMI_A

GND   GND

GNDD

FID1   FID2   FID3
Fiducial_Top Fiducial_Top Fiducial_Top

H1   H2   H3   H4
HOLE_GNDD   HOLE_GNDD   HOLE_GNDD   HOLE_GNDD

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