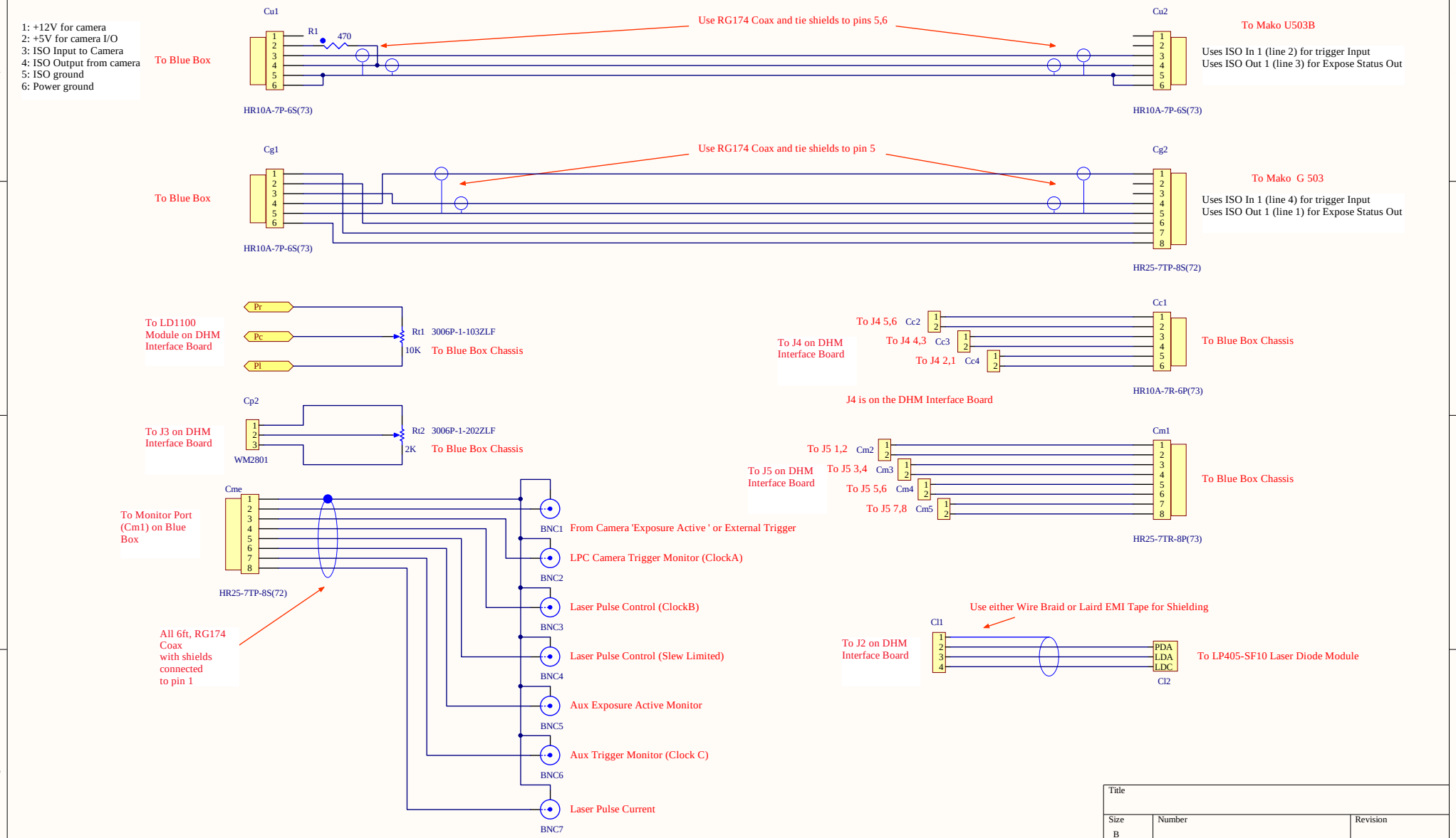
1: +12V for camera
2: +5V for camera I/O
3: ISO Input to Camera
4: ISO Output from camera
5: ISO ground
6: Power ground
To Blue Box
Cu1
R1
470
Use RG174 Coax and tie shields to pins 5,6
Cu2
To Mako U503B
Uses ISO In 1 (line 2) for trigger Input
Uses ISO Out 1 (line 3) for Expose Status Out
HR10A-7P-6S(73)
HR10A-7P-6S(73)
Cg1
Use RG174 Coax and tie shields to pin 5
Cg2
To Blue Box
To Mako G 503
Uses ISO In 1 (line 4) for trigger Input
Uses ISO Out 1 (line 1) for Expose Status Out
HR10A-7P-6S(73)
HR25-7TP-8S(72)
To LD1100 Module on DHM Interface Board
Pr
Pc
Pl
Rt1 3006P-1-103ZLF
10K
To Blue Box Chassis
Cc1
To J4 5,6 Cc2
To J4 4,3 Cc3
To J4 2,1 Cc4
To J4 on DHM Interface Board
To Blue Box Chassis
HR10A-7R-6P(73)
J4 is on the DHM Interface Board
Cp2
To J3 on DHM Interface Board
Rt2 3006P-1-202ZLF
2K
To Blue Box Chassis
WM2801
Cm1
To J5 1,2 Cm2
To J5 3,4 Cm3
To J5 5,6 Cm4
To J5 7,8 Cm5
To J5 on DHM Interface Board
To Blue Box Chassis
HR25-7TR-8P(73)
Cme
To Monitor Port (Cm1) on Blue Box
BNC1
From Camera 'Exposure Active ' or External Trigger
LPC Camera Trigger Monitor (ClockA)
BNC2
Laser Pulse Control (ClockB)
BNC3
Laser Pulse Control (Slew Limited)
BNC4
Aux Exposure Active Monitor
BNC5
Aux Trigger Monitor (Clock C)
BNC6
Laser Pulse Current
BNC7
HR25-7TP-8S(72)
All 6ft, RG174 Coax with shields connected to pin 1
Use either Wire Braid or Laird EMI Tape for Shielding
Cl1
To J2 on DHM Interface Board
PDA
LDA
LDC
Cl2
To LP405-SF10 Laser Diode Module
Title
Size
B
Number
Revision
Date: 4/2/2019
Sheet of
File: C:\Altium Projects\...\DHM External and Internal Cables.SchDoc
Drawn By: