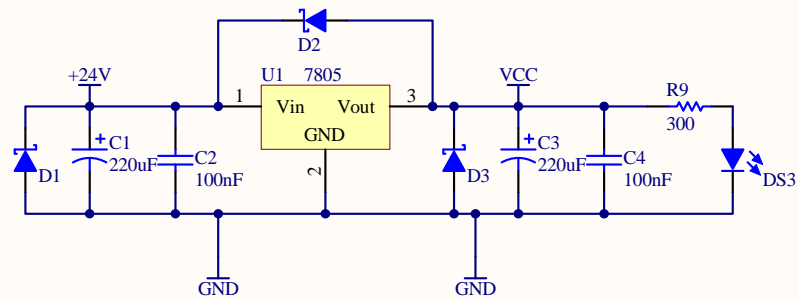


DB15/male

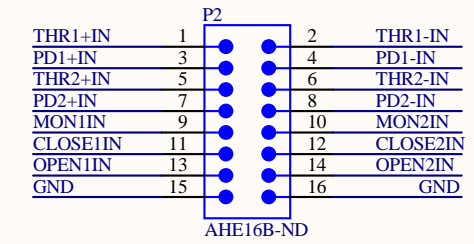
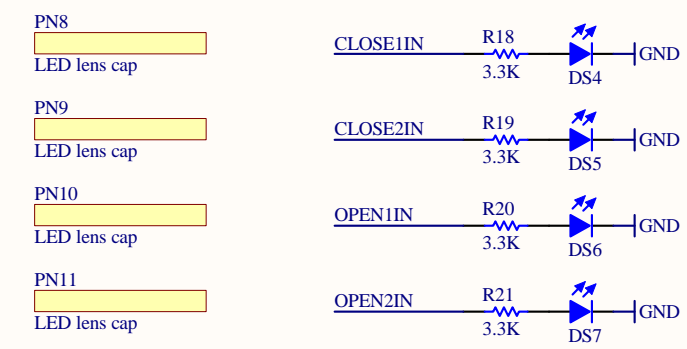
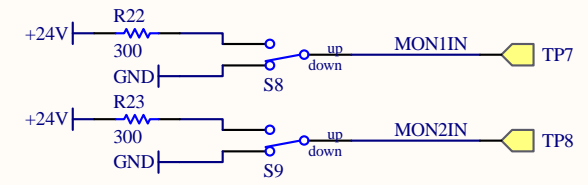
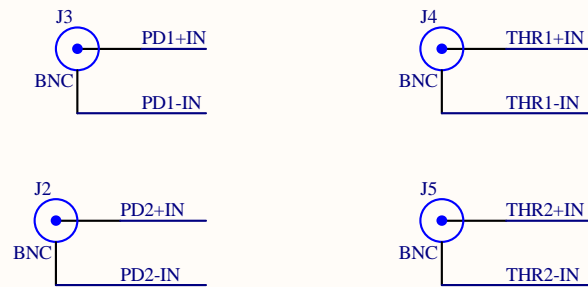


PN1 2-pin plug

PN4 #4 screw, 3/8"  
 PN5 #4 lock washer  
 PN6 #4 nut  
 U1\_B heatsink

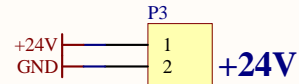
PN7 LED lens cap

Title		
<b>Shutter Controller Tester1</b>		
Size	Number	Revision
B	D1200449	1
Date:	4/16/2012	Sheet 1 of 3
File:	C:\Users\...\Shutter_Con_Tester1.SchDoc	Drawn By: Paul Schwinberg



DB15/female

Title		
<b>Shutter Controller Tester2</b>		
Size	Number	Revision
B	D1200449	1
Date:	4/16/2012	Sheet 2 of 3
File:	C:\Users\...\Shutter_Con_Tester2.SchDoc	Drawn By: Paul Schwinberg



PN13 connector  
Newark  
10B6044

H1	Handle, 3"	E1	BNC lock washer	E6	BNC nut	PN15	Front Panel
H2	Handle, 3"	E2	BNC lock washer	E7	BNC nut	LIGO	D1200541-v1
Mouser 534-9109		E3	BNC lock washer	E8	BNC nut	PN16	Rear Panel
H3	Ferrule	E4	BNC lock washer	E9	BNC nut	LIGO	D1200542-v1
H4	Ferrule	E5	BNC lock washer	E10	BNC nut	PN17	DA-15 cable
H5	Ferrule					H7MXH-1506G-ND	
H6	Ferrule					PN18	DA-15 cable
Mouser 534-9121						H7FXH-1506G-ND	
M1	#6-32 3/8" flat					PN19	IDC receptacle
M2	#6-32 3/8" flat					73K6221	
M3	#6-32 3/8" flat					PN20	IDC receptacle
M4	#6-32 3/8" flat					73K6221	
McMaster-Carr 91099A215						PN21	
						Knob	
						PN22	
						Knob	
H7	Standoff M-F	PN12	Banana jack	PN14	Banana jack	PN23	Jack screw
H8	Standoff M-F	Newark 39F1574		Newark 39F1575		PN24	Jack screw
H9	Standoff M-F						
H10	Standoff M-F						
H11	Standoff M-F						
H12	Standoff M-F						
H13	Standoff M-F	H19	Standoff F-F	M5	M4-8mm, flat	M11	M4-8mm, flat
H14	Standoff M-F	H20	Standoff F-F	M6	M4-8mm, flat	M12	M4-8mm, flat
H15	Standoff M-F	H21	Standoff F-F	M7	M4-8mm, flat	M13	M4-8mm, flat
H16	Standoff M-F	H22	Standoff F-F	M8	M4-8mm, flat	M14	M4-8mm, flat
H17	Standoff M-F	H23	Standoff F-F	M9	M4-8mm, flat	M15	M4-8mm, flat
H18	Standoff M-F	H24	Standoff F-F	M10	M4-8mm, flat	M16	M4-8mm, flat
Newark 56K3066		Newark 56K3039				McMaster-Carr 91420A218	

Title		
<b>Shutter Controller Tester3</b>		
Size B	Number D1200449	Revision 1
Date:	4/16/2012	Sheet 3 of 3
File:	C:\Users\...\Shutter_Con_Tester3.SchDoc	Drawn By: Paul Schwinberg