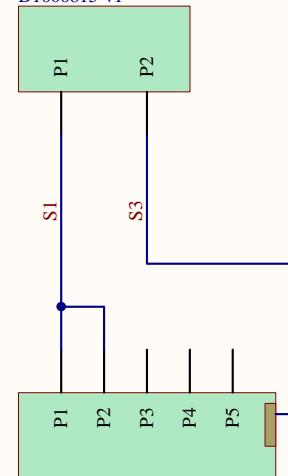


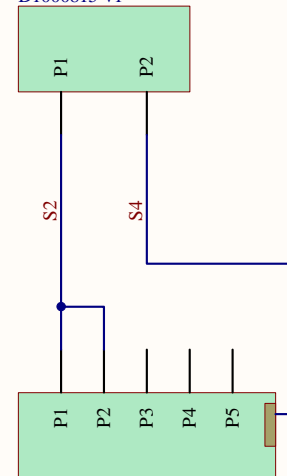
U1  
Power Distribution Board  
LIGO  
D1000815-v1



U2  
Low Dropout Power  
LIGO  
D1000324-A

**15V version**

U3  
Power Distribution Board  
LIGO  
D1000815-v1



U4  
Low Dropout Power  
LIGO  
D1000324-A

**12V version**

H1 Handle, 1.25"	H7 Rubber feet	E1 #4-40 3/16" flat	E25 #6-32 1/4" flat	E37 1" standoff, #4	H19 #4-40 pan, locker, 1/4"
H2 Handle, 1.25"	H8 Rubber feet	E2 #4-40 3/16" flat	E26 #6-32 1/4" flat	E38 1" standoff, #4	H20 #4-40 pan, locker, 1/4"
Newark 98H1241	H9 Rubber feet	E3 #4-40 3/16" flat	E27 #6-32 1/4" flat	E39 1" standoff, #4	H21 #4-40 pan, locker, 1/4"
H3 Ferrule	H10 Rubber feet	E4 #4-40 3/16" flat	E28 #6-32 1/4" flat	E40 1" standoff, #4	H22 #4-40 pan, locker, 1/4"
H4 Ferrule	Digi-Key 720K-ND	E5 #4-40 3/16" flat	E29 #6-32 1/4" flat	Digi-Key 2205K-ND	H23 #4-40 pan, locker, 1/4"
H5 Ferrule	H11 #4 washer	E6 #4-40 3/16" flat	E30 #6-32 1/4" flat	E41 1/4" standoff, #4	H24 #4-40 pan, locker, 1/4"
H6 Ferrule	H12 #4 washer	E7 #4-40 3/16" flat	E31 #6-32 1/4" flat	E42 1/4" standoff, #4	H25 #4-40 pan, locker, 1/4"
Mouser 534-9121	H13 #4 washer	E8 #4-40 3/16" flat	E32 #6-32 1/4" flat	E43 1/4" standoff, #4	H26 #4-40 pan, locker, 1/4"
M1 #6-32 1/4" flat	H14 #4 washer	E9 #4-40 3/16" flat	E33 #6-32 1/4" flat	E44 1/4" standoff, #4	McMaster-Carr 96909A406
M2 #6-32 1/4" flat	McMaster-Carr 90945A710	E10 #4-40 3/16" flat	E34 #6-32 1/4" flat	Digi-Key 8714K-ND	
M3 #6-32 1/4" flat	H15 #4 screw, 1/4"	E11 #4-40 3/16" flat	E35 #6-32 1/4" flat		
M4 #6-32 1/4" flat	H16 #4 screw, 1/4"	E12 #4-40 3/16" flat	E36 #6-32 1/4" flat		
M5 #6-32 1/4" flat	H17 #4 screw, 1/4"	E13 #4-40 3/16" flat			
M6 #6-32 1/4" flat	H18 #4 screw, 1/4"	E14 #4-40 3/16" flat			
McMaster-Carr 91099A205	McMaster-Carr 90272A106	E15 #4-40 3/16" flat			
M7 #6-32 3/8" flat		E16 #4-40 3/16" flat			
M8 #6-32 3/8" flat		E17 #4-40 3/16" flat			
M9 #6-32 3/8" flat		E18 #4-40 3/16" flat			
M10 #6-32 3/8" flat		E19 #4-40 3/16" flat			
McMaster-Carr 91099A215		E20 #4-40 3/16" flat			
		E21 #4-40 3/16" flat			
		E22 #4-40 3/16" flat			
		E23 #4-40 3/16" flat			
		E24 #4-40 3/16" flat			
		McMaster-Carr 91771A111			
PN1 Half-Width 2U Enclosure LIGO D0901991-v1	PN2 Front Panel LIGO D1000816-v1	PN3 Rear Panel LIGO D1000817-v1			

Remove R10 from Low Dropout Power Board.  
 Replace R13 and R21 with 8.87K and 8.45K, respectively,  
 on 12V version of Low Dropout Power Board.  
 Use corresponding assembly variant for Power Distribution Board.  
 Power OK signal has to be patched into pin 16C of J1.  
 Add jumper wires for +/-17V and +/-24V between  
 the 2 Low Dropout Boards.

Hardware for power cables:  
 - 3W3 plug: Digi-Key 609-1515-ND/609-3572-ND  
 - 3W3C (3V3) plug: Digi-Key 626-1098-ND/626-1142-ND/626-1146-ND  
 - Back shell: Digi-Key MDBS15-ND/MDTS07-ND  
 - Cable: Newark 02F8164

Title <b>Power Distribution Assembly</b>		
Size B	Number <b>D1000818</b>	Revision <b>1</b>
Date: 4/6/2010	Sheet 1 of 1	
File: C:\Users\...\PowerDistAssembly1.SchDoc	Drawn By: Daniel Sigg	