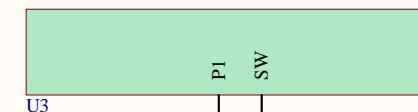
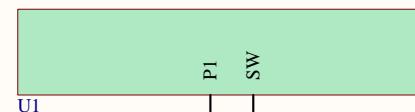
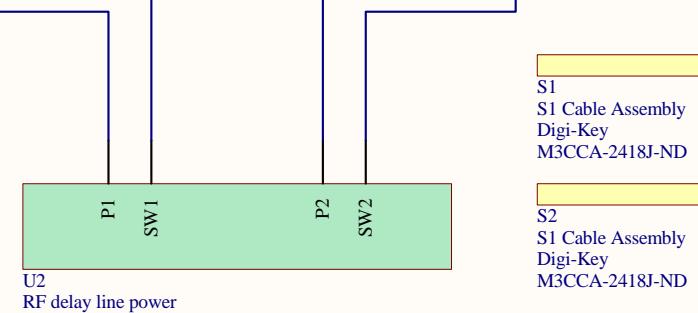


H1 #6-32 pan, lock washer, 5/16" McMaster-Carr 96909A445	H3 #6-32 pan, lock washer, 5/16" McMaster-Carr 96909A445	H5 #6-32 pan, lock washer, 5/16" McMaster-Carr 96909A445	H7 #6-32 pan, lock washer, 5/16" McMaster-Carr 96909A445
H2 Hex spacer 0.375", #6-32 Digi-Key 8441BK-ND	H4 Hex spacer 0.375", #6-32 Digi-Key 8441BK-ND	H6 Hex spacer 0.375", #6-32 Digi-Key 8441BK-ND	H8 Hex spacer 0.375", #6-32 Digi-Key 8441BK-ND



E1 #6-32 1/4" flat	H9 98H1241	E12 #4-40 3/16" flat	E34 #4-40 3/16" flat
E2 #6-32 1/4" flat	H10 98H1241	E13 #4-40 3/16" flat	E35 #4-40 3/16" flat
E3 #6-32 1/4" flat	M1 #6-32 1/4" flat	E14 #4-40 3/16" flat	E36 #4-40 3/16" flat
E4 BNC lock washer	M2 #6-32 1/4" flat	E15 #4-40 3/16" flat	E37 #4-40 3/16" flat
E5 BNC nut	M3 #6-32 1/4" flat	E16 #4-40 3/16" flat	E38 #4-40 3/16" flat
E6 BNC lock washer	M5 #6-32 1/4" flat	E17 #4-40 3/16" flat	E39 #4-40 3/16" flat
E7 BNC nut	M6 #6-32 1/4" flat	E18 #4-40 3/16" flat	E40 #4-40 3/16" flat
E8 BNC lock washer	M7 #6-32 1/4" flat	E19 #4-40 3/16" flat	E41 #4-40 3/16" flat
E9 BNC nut	M8 #6-32 1/4" flat	E20 #4-40 3/16" flat	E42 #4-40 3/16" flat
E10 BNC lock washer	M9 #6-32 1/4" flat	E21 #4-40 3/16" flat	E43 #4-40 3/16" flat
E11 BNC nut	M10 #6-32 1/4" flat	E22 #4-40 3/16" flat	E44 #4-40 3/16" flat

PN1 Cable, 1 pair, shielded Mouser 566-9501-100	S3 Connector/Terminal Block Digi-Key 281-1912-ND
S4 Connector/Terminal Block Digi-Key 281-1912-ND	
S3 & S4 cables	



Use the spacers in the rear of the delay line boards to prevent them from touching the bottom.

There are two assembly variants: "Single" or "Double".
The Single variant mounts one delay line,
whereas the Double variant mounts two.

The Single variant does not need U3, S2, S4, H4 to H8, and E8 to E11.
The Single variant implements the panels D0900129 and D0900130.
The Double variant implements the panels D0900134 and D0900135.

PN2 1U chassis LIGO D070012-A	PN3 Front Panel LIGO D0900129-A	PN5 Rear Panel LIGO D0900130-A
PN4 Front Panel LIGO D0900134-A	PN6 Rear Panel LIGO D0900135A	

Title Delay Line Phase Shifter		
Size B	Number D0900128	Revision A
Date: 2/9/2009		Sheet 1 of 1
File: C:\User..\DelayLinePhaseShifter1.SchDoc		Drawn By: Daniel Sigg