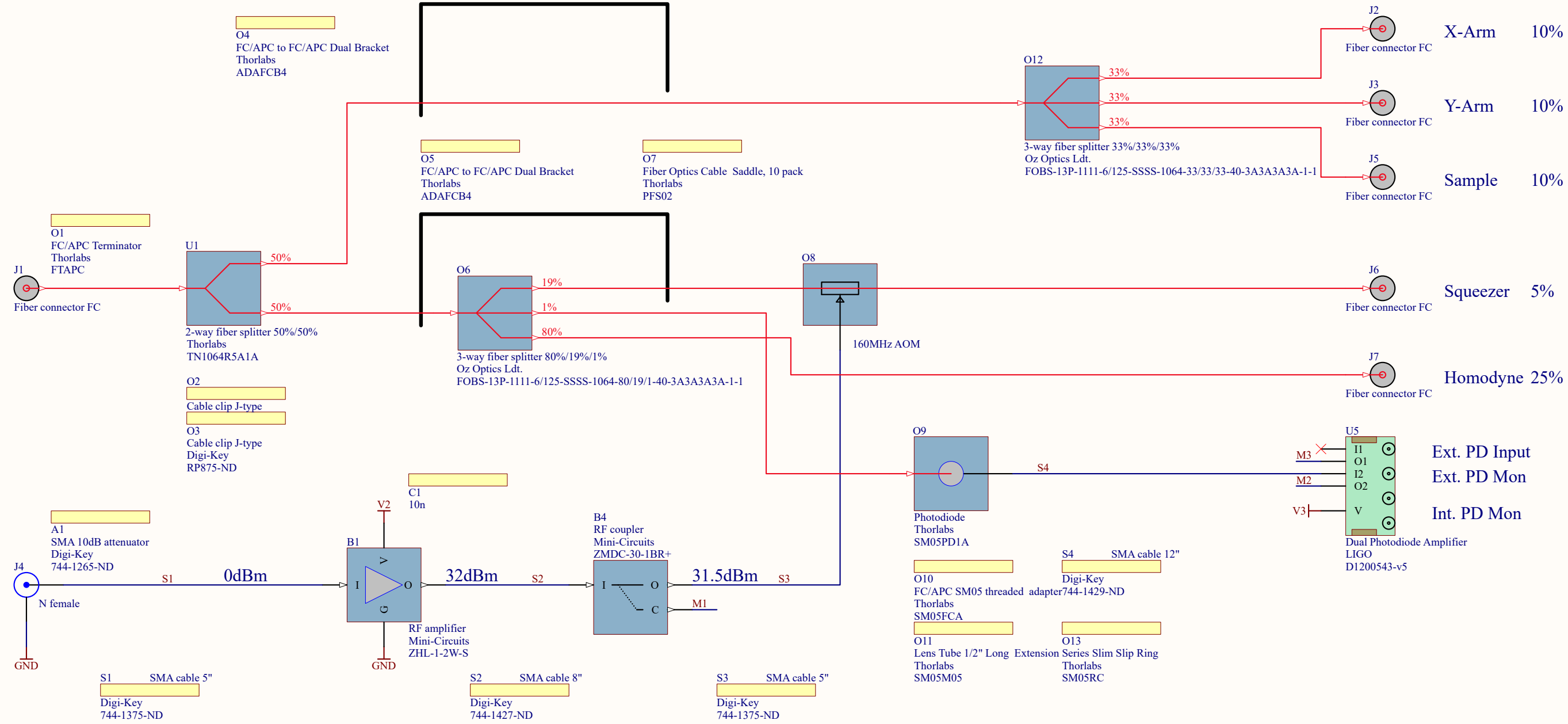


PSL

10dBm AOM

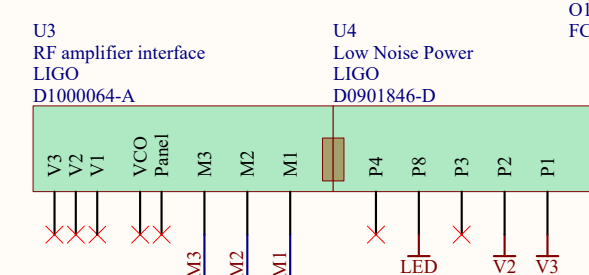
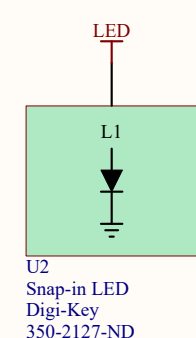


Mount RF detector at position 1 on D1000064.
 Connect M1 to RF detector.
 Connect M2/M3 directly SMA connector on D1000064.

- PN1 2U chassis LIGO D0900200-v1
- PN2 Mounting Plate LIGO D1200194-v4
- PN3 Front Panel LIGO D1200134-v1
- PN4 Rear Panel LIGO D1200135-v6

- PN5 Cable, 1 pair, shielded Mouser 566-9501-100

V2/V3 cables



Title ALS Fiber Distribution		
Size B	Number D1200136	Revision 2
Date: 8/28/2019	Sheet 1 of 2	Drawn By: Daniel Sigg
File: C:\Users\...\AlsFiberDist1.SchDoc		

H1	Handle, 3"	E1	#4-40 3/16" flat	E27	#4-40 3/16" flat
H2	Handle, 3"	E2	#4-40 3/16" flat	E28	#4-40 3/16" flat
Mouser		E3	#4-40 3/16" flat	E29	#4-40 3/16" flat
534-9109		E4	#4-40 3/16" flat	E30	#4-40 3/16" flat
H3	Ferrule	E5	#4-40 3/16" flat	E31	#4-40 3/16" flat
H4	Ferrule	E6	#4-40 3/16" flat	E32	#4-40 3/16" flat
H5	Ferrule	E7	#4-40 3/16" flat	E33	#4-40 3/16" flat
H6	Ferrule	E8	#4-40 3/16" flat	E34	#4-40 3/16" flat
Mouser		E9	#4-40 3/16" flat	E35	#4-40 3/16" flat
534-9121		E10	#4-40 3/16" flat	E36	#4-40 3/16" flat
H7	#6-32 1/4" flat	E11	#4-40 3/16" flat	E37	#4-40 3/16" flat
H8	#6-32 1/4" flat	E12	#4-40 3/16" flat	E38	#4-40 3/16" flat
H9	#6-32 1/4" flat	E13	#4-40 3/16" flat	E39	#4-40 3/16" flat
H10	#6-32 1/4" flat	E14	#4-40 3/16" flat	E40	#4-40 3/16" flat
H11	#6-32 1/4" flat	E15	#4-40 3/16" flat	E41	#4-40 3/16" flat
H12	#6-32 1/4" flat	E16	#4-40 3/16" flat	E42	#4-40 3/16" flat
McMaster-Carr		E17	#4-40 3/16" flat	E43	#4-40 3/16" flat
91099A205		E18	#4-40 3/16" flat	E44	#4-40 3/16" flat
H13	#6-32 3/8" flat	E19	#4-40 3/16" flat	E45	#4-40 3/16" flat
H14	#6-32 3/8" flat	E20	#4-40 3/16" flat	E46	#4-40 3/16" flat
H15	#6-32 3/8" flat	E21	#4-40 3/16" flat	E47	#4-40 3/16" flat
H16	#6-32 3/8" flat	E22	#4-40 3/16" flat	E48	#4-40 3/16" flat
McMaster-Carr					
91099A215					
Enclosure		McMaster-Carr	91771A111		

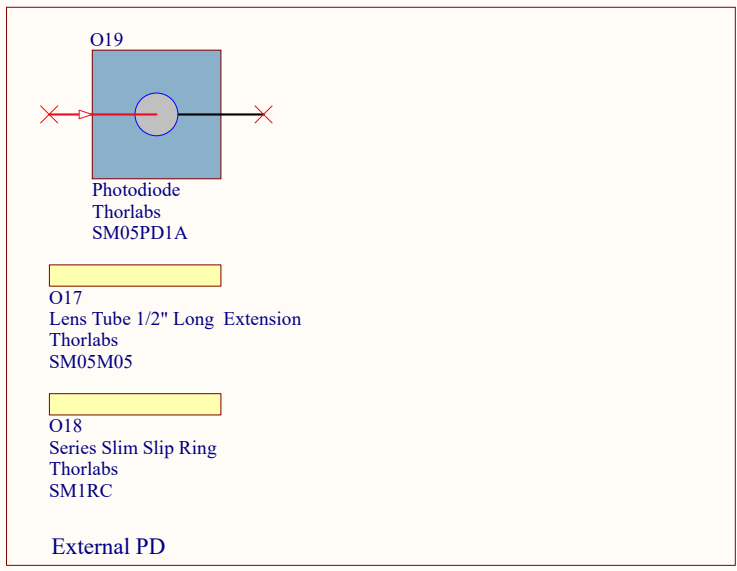
H29	#2-56 flat head, 3/8"	H41	M2.5 pan, 12mm
H30	#2-56 flat head, 3/8"	H42	M2.5 pan, 12mm
H31	#2-56 flat head, 3/8"	H43	M2.5 pan, 12mm
H32	#2-56 flat head, 3/8"	H44	M2.5 pan, 12mm
McMaster-Carr		McMaster-Carr	
91771A105		92005A075	
H33	#4-40 pan, 3/8"	H45	#8-32 socket cap, 3/8"
H34	#4-40 pan, 3/8"	McMaster-Carr	
H35	#4-40 pan, 3/8"	90128A192	
H36	#4-40 pan, 3/8"	H46	#8 washer
H37	#4-40 pan, 3/8"	McMaster-Carr	
H38	#4-40 pan, 3/8"	90126A512	
H39	#4-40 pan, 3/8"	H47	#1/4-20 socket cap, 1/2"
H40	#4-40 pan, 3/8"	McMaster-Carr	
McMaster-Carr		90128A242	
90272A108		H48	#1/4-20 1" standoff
		Digi-Key	
		1772-3360-ND	
Components			

H49	M2 pan, 6mm	H61	M2 lock washer	H73	M2 hex nut
H50	M2 pan, 6mm	H62	M2 lock washer	H74	M2 hex nut
H51	M2 pan, 6mm	H63	M2 lock washer	H75	M2 hex nut
H52	M2 pan, 6mm	H64	M2 lock washer	H76	M2 hex nut
H53	M2 pan, 6mm	H65	M2 lock washer	H77	M2 hex nut
H54	M2 pan, 6mm	H66	M2 lock washer	H78	M2 hex nut
H55	M2 pan, 6mm	H67	M2 lock washer	H79	M2 hex nut
H56	M2 pan, 6mm	H68	M2 lock washer	H80	M2 hex nut
H57	M2 pan, 6mm	H69	M2 lock washer	H81	M2 hex nut
H58	M2 pan, 6mm	H70	M2 lock washer	H82	M2 hex nut
H59	M2 pan, 6mm	H71	M2 lock washer	H83	M2 hex nut
H60	M2 pan, 6mm	H72	M2 lock washer	H84	M2 hex nut
McMaster-Carr		McMaster-Carr		McMaster-Carr	
92005A023		93925A210		90710A020	
Fiber feedthroughs					

2-56 flat head, 3/8":
4-40 pan head, 3/8":
M2.5 pan head, 12mm
8-32 socket cap, 3/8"
1/4-20 standoff 1"
1/4-20 socket cap, 1/2"
J-type cable clip

Mounting for Oz Optics fiber beamsplitter cubes, two screws per BS
Mounting for minicircuits RF amp & RF coupler, 4 each
Mounting AOM
Mounting internal DCPD assembly
Mounting first ADAFCB4 fiber coupler with right-angled bracket
Mounting second ADAFCB4 fiber coupler with right-angled bracket
Mounting Thorlabs fiber splitter

H17	#6-32 pan, lock washer, 5/16"	E23	#6-32 1/4" flat	E49	BNC lock washer
McMaster-Carr		E24	#6-32 1/4" flat	E50	BNC nut
96909A445		E25	#6-32 1/4" flat	E51	BNC lock washer
H18	#6-32 pan, lock washer, 5/16"	E26	#6-32 1/4" flat	E52	BNC nut
H19	#6-32 pan, lock washer, 5/16"			E53	BNC lock washer
H20	#6-32 pan, lock washer, 5/16"			Digi-Key	
H21	#6-32 pan, lock washer, 5/16"			A97567-ND	
H22	#6-32 pan, lock washer, 5/16"			E54	BNC nut
H23	#6-32 pan, lock washer, 5/16"	H26	#6-32 pan, lock washer, 5/16"	Digi-Key	
H24	#6-32 pan, lock washer, 5/16"	H27	#6-32 pan, lock washer, 5/16"	A97566-ND	
H25	#6-32 pan, lock washer, 5/16"	H28	#6-32 pan, lock washer, 5/16"		
Base plate/PCBs					



Title		
ALS Fiber Distribution		
Size	Number	Revision
B	D1200136	2
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File:	C:\Users\...\ALS\FiberDist2.SchDoc	Drawn By: Daniel Sigg