

H1 #2-56 flat head, 3/8" McMaster-Carr 91771A105	H17 #2-56 pan head, 1/4" McMaster-Carr 90272A077	H25 #0-80 flat head, 1/4" McMaster-Carr 91771A055
H2 #2-56 flat head, 3/8"	H18 #2-56 pan head, 1/4"	H26 #0-80 flat head, 1/4"
H3 #2-56 flat head, 3/8"	H19 #2-56 pan head, 1/4"	H27 #0-80 flat head, 1/4"
H4 #2-56 flat head, 3/8"	H20 #2-56 pan head, 1/4"	H28 #0-80 flat head, 1/4"
H5 #2-56 flat head, 3/8"	H21 #2-56 pan head, 1/4"	
H6 #2-56 flat head, 3/8"	H22 #2-56 pan head, 1/4"	H29 #2-56 pan head, 1/4"
H7 #2-56 flat head, 3/8"	H23 #2-56 pan head, 1/4"	H30 #2-56 pan head, 1/4"
H8 #2-56 flat head, 3/8"	H24 #2-56 pan head, 1/4"	H31 #2-56 pan head, 1/4"
H9 #2-56 flat head, 3/8"		H32 #2-56 pan head, 1/4"
H10 #2-56 flat head, 3/8"		
H11 #2-56 flat head, 3/8"		
H12 #2-56 flat head, 3/8"		
H13 #2-56 flat head, 3/8"		
H14 #2-56 flat head, 3/8"		
H15 #2-56 flat head, 3/8"		
H16 #2-56 flat head, 3/8"		

Wenzel/Filter

H33 Handle, 3"	E1 #4-40 3/16" flat	E23 #4-40 3/16" flat
H34 Handle, 3"	E2 #4-40 3/16" flat	E24 #4-40 3/16" flat
Mouser 534-9109	E3 #4-40 3/16" flat	E25 #4-40 3/16" flat
H35 Ferrule	E4 #4-40 3/16" flat	E26 #4-40 3/16" flat
H36 Ferrule	E5 #4-40 3/16" flat	E27 #4-40 3/16" flat
H37 Ferrule	E6 #4-40 3/16" flat	E28 #4-40 3/16" flat
H38 Ferrule	E7 #4-40 3/16" flat	E29 #4-40 3/16" flat
Mouser 534-9121	E8 #4-40 3/16" flat	E30 #4-40 3/16" flat
H39 #6-32 1/4" flat	E9 #4-40 3/16" flat	E31 #4-40 3/16" flat
H40 #6-32 1/4" flat	E10 #4-40 3/16" flat	E32 #4-40 3/16" flat
H41 #6-32 1/4" flat	E11 #4-40 3/16" flat	E33 #4-40 3/16" flat
H42 #6-32 1/4" flat	E12 #4-40 3/16" flat	E34 #4-40 3/16" flat
H43 #6-32 1/4" flat	E13 #4-40 3/16" flat	E35 #4-40 3/16" flat
H44 #6-32 1/4" flat	E14 #4-40 3/16" flat	E36 #4-40 3/16" flat
McMaster-Carr 91099A205	E15 #4-40 3/16" flat	E37 #4-40 3/16" flat
H45 #6-32 3/8" flat	E16 #4-40 3/16" flat	E38 #4-40 3/16" flat
H46 #6-32 3/8" flat	E17 #4-40 3/16" flat	E39 #4-40 3/16" flat
H47 #6-32 3/8" flat	E18 #4-40 3/16" flat	E40 #4-40 3/16" flat
H48 #6-32 3/8" flat	E19 #4-40 3/16" flat	E41 #4-40 3/16" flat
McMaster-Carr 91099A215	E20 #4-40 3/16" flat	E42 #4-40 3/16" flat
	E21 #4-40 3/16" flat	E43 #4-40 3/16" flat
	E22 #4-40 3/16" flat	E44 #4-40 3/16" flat

Enclosure

M1 SMA cable 7"	M2 SMA cable 18"	M3 SMA cable 18"
EAM SMA cable 7"; straight-R/A	EAM SMA cable 18"; straight-R/A	EAM SMA cable 18"; straight-R/A

M1-3 cables

H49 #6-32 pan, lock washer, 5/16" McMaster-Carr 96909A445	E45 #6-32 1/4" flat
H50 #6-32 pan, lock washer, 5/16"	E46 #6-32 1/4" flat
H51 #6-32 pan, lock washer, 5/16"	E47 #6-32 1/4" flat
H52 #6-32 pan, lock washer, 5/16"	E48 #6-32 1/4" flat
H53 #6-32 pan, lock washer, 5/16"	E49 BNC lock washer
H54 #6-32 pan, lock washer, 5/16"	E50 BNC nut
H55 #6-32 pan, lock washer, 5/16"	E51 BNC lock washer
H56 #6-32 pan, lock washer, 5/16"	E52 BNC nut
H57 #6-32 pan, lock washer, 5/16"	E53 BNC lock washer
	E54 BNC nut

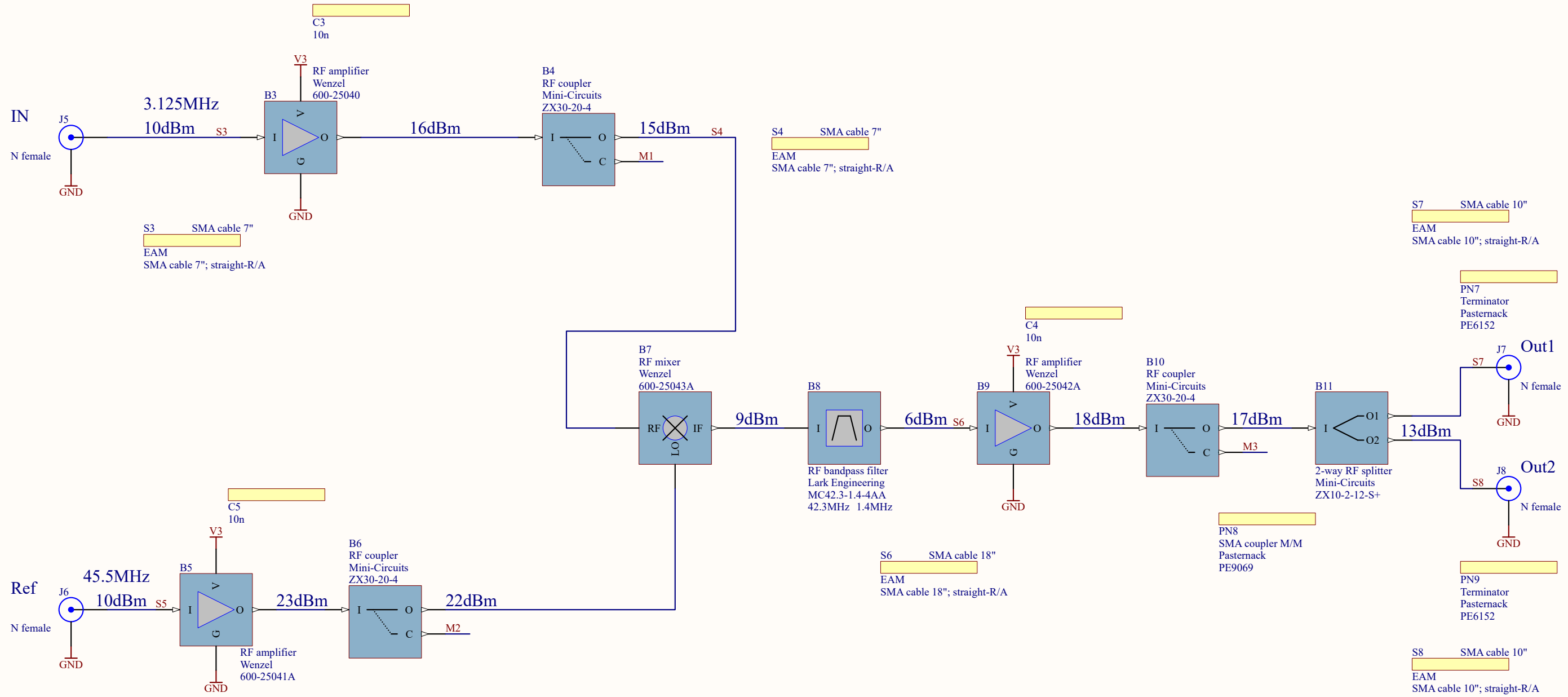
Base plate/PCBs

RF modules need to be mounted on mounting plate.

Cables for V2 and V3 are twisted pair and soldered to the amplifiers.
Solder a 10nF capacitor across each power terminal.

PN2 Mounting Plate LIGO D1700016-v1	PN3 1U chassis LIGO D1001098-v2	PN4 Front Panel LIGO D1700014-v1	PN5 Rear Panel LIGO D1700015-v1
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Title RF Frequency Difference Mixer		
Size B	Number D1600499	Revision 1
Date: 1/31/2017	Sheet 1 of 2	
File: C:\Users\...\RFFrequencyDifferenceMixer1.Dwg	Drawn By: Daniel Sigg, Marc Pirello	



Title		
RF Frequency Difference Mixer		
Size	Number	Revision
B	D1600499	1
Date:	1/31/2017	Sheet 2 of 2
File:	C:\Users\...\RF\FrequencyDifferenceMixer2.D1600499.Dwg By: Daniel Sigg, Marc Pirello	