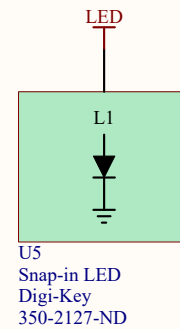
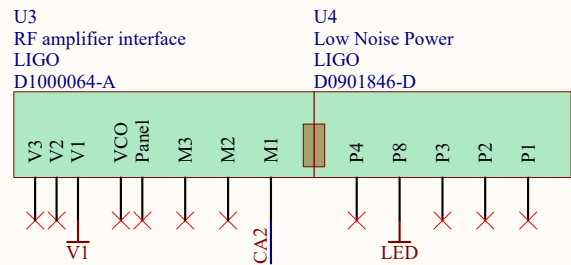


A?
SMA 0dB attenuator
Pasternack
PE9103
optional

A1
SMA male-male
Pasternack
PE9069

A2
SMA male-male
Pasternack
PE9069



- CA1 SMA cable 7"
- EAM SMA cable 7"; S-RA
- CA2 SMA cable 6"
- EAM SMA cable 6"; S-RA
- CA3 SMA cable 6"
- EAM SMA cable 6"; S-RA

Mounting Plate

- H1 #2-56 flat head, 3/8"
- H2 #2-56 flat head, 3/8"
- H3 #2-56 flat head, 3/8"
- H4 #2-56 flat head, 3/8"
- H5 #2-56 pan head, 1/4"
- H6 #2-56 pan head, 1/4"
- H7 #2-56 pan head, 1/4"
- H8 #2-56 pan head, 1/4"
- H9 #6-32 pan, lock washer, 5/16"
- H10 #6-32 pan, lock washer, 5/16"
- H11 #6-32 pan, lock washer, 5/16"
- H12 #6-32 pan, lock washer, 5/16"
- H13 #6-32 pan, lock washer, 5/16"
- H14 #6-32 pan, lock washer, 5/16"
- H15 #6-32 pan, lock washer, 5/16"
- H16 #6-32 pan, lock washer, 5/16"
- H17 Handle, 1.25"
- H18 Handle, 1.25"
- H19 Ferrule
- H20 Ferrule
- H21 Ferrule
- H22 Ferrule
- M1 #6-32 1/4" flat
- M2 #6-32 1/4" flat
- M3 #6-32 1/4" flat
- M4 #6-32 1/4" flat
- M5 #6-32 1/4" flat
- M6 #6-32 1/4" flat
- M7 #6-32 3/8" flat
- M8 #6-32 3/8" flat
- M9 #6-32 3/8" flat
- M10 #6-32 3/8" flat

PN1
Cable, 1 pair, shielded
Mouser
566-9501-100
V1 cables

PCB

- E1 #6-32 1/4" flat
- E2 #6-32 1/4" flat
- E3 #6-32 1/4" flat
- E4 BNC lock washer
- E5 BNC nut
- E6 BNC lock washer
- E7 BNC nut
- E8 BNC lock washer
- E9 BNC nut

PN2
Mounting Plate
LIGO
D1700011-v1

Handles

- H17 Handle, 1.25"
- H18 Handle, 1.25"
- Mouser 534-9106
- H19 Ferrule
- H20 Ferrule
- H21 Ferrule
- H22 Ferrule
- Mouser 534-9121
- M1 #6-32 1/4" flat
- M2 #6-32 1/4" flat
- M3 #6-32 1/4" flat
- M4 #6-32 1/4" flat
- M5 #6-32 1/4" flat
- M6 #6-32 1/4" flat
- McMaster-Carr 91099A205
- M7 #6-32 3/8" flat
- M8 #6-32 3/8" flat
- M9 #6-32 3/8" flat
- M10 #6-32 3/8" flat
- McMaster-Carr 91099A215

PN3
1U chassis
LIGO
D1001098-v2

Chassis

- E10 #4-40 3/16" flat
- E11 #4-40 3/16" flat
- E12 #4-40 3/16" flat
- E13 #4-40 3/16" flat
- E14 #4-40 3/16" flat
- E15 #4-40 3/16" flat
- E16 #4-40 3/16" flat
- E17 #4-40 3/16" flat
- E18 #4-40 3/16" flat
- E19 #4-40 3/16" flat
- 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
- E25 #4-40 3/16" flat
- E26 #4-40 3/16" flat
- E27 #4-40 3/16" flat
- E28 #4-40 3/16" flat
- E29 #4-40 3/16" flat
- E30 #4-40 3/16" flat
- E31 #4-40 3/16" flat
- McMaster-Carr 91771A111
- E32 #4-40 3/16" flat
- E33 #4-40 3/16" flat
- E34 #4-40 3/16" flat
- E35 #4-40 3/16" flat
- E36 #4-40 3/16" flat
- E37 #4-40 3/16" flat
- E38 #4-40 3/16" flat
- E39 #4-40 3/16" flat
- E40 #4-40 3/16" flat
- E41 #4-40 3/16" flat
- E42 #4-40 3/16" flat
- E43 #4-40 3/16" flat
- E44 #4-40 3/16" flat
- E45 #4-40 3/16" flat
- E46 #4-40 3/16" flat
- E47 #4-40 3/16" flat
- E48 #4-40 3/16" flat
- E49 #4-40 3/16" flat
- E50 #4-40 3/16" flat
- E51 #4-40 3/16" flat
- E52 #4-40 3/16" flat
- E53 #4-40 3/16" flat

PN4
Front Panel
LIGO
D1700009-v1

PN5
Rear Panel
LIGO
D1700010-v1

RF modules need to be mounted on mounting plate.

Cables CA1 to CA3 are flexible semi-rigid RG405.
Cables require SMA connectors on both ends. Red dot marks R/A connector.

Cables V1 is twisted pair and soldered to the amplifier.
Solder 10nF across each power terminal.

The position A1 at the inside of J1 is used to adjust power levels by adding a fixed attenuators:
Pasternack PE7161/PE7001 instead of PE9103, or Mini-Circuits BW-SxW2+ series.

CA1: L=7", Belden 1671A with SMA Male and SMA Male
CA2/CA3: L=6", Belden 1671A with SMA Male and SMA Male

Title RF Frequency Divide-by-Thirty-Two		
Size B	Number D1700008	Revision 1
Date: 2/3/2017	Sheet 1 of 1	
File: C:\Users\...\RFFrequencyDiv32.SchDoc	Drawn By: D. Sigg, M. Pirello	