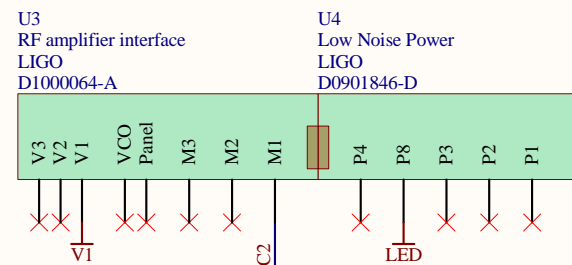
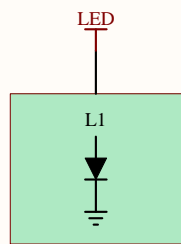


A1
SMA 0dB attenuator
Pasternack
PE9103

A2
SMA male-male
Pasternack
PE9069



U4
Low Noise Power
LIGO
D0901846-D



U5
Snap-in LED
Digi-Key
350-2127-ND

CA1 SMA cable 7"
EAM
SMA cable 7"; both straight
CA2 SMA cable 6"
EAM
SMA cable 6"; both straight
CA3 SMA cable 6"
EAM
SMA cable 6"; both straight

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 #6-32 pan, lock washer, 5/16"
H6 #6-32 pan, lock washer, 5/16"
H7 #6-32 pan, lock washer, 5/16"
H8 #6-32 pan, lock washer, 5/16"
H9 #6-32 pan, lock washer, 5/16"
H10 #6-32 pan, lock washer, 5/16"
H11 Handle, 1.25"
H12 Handle, 1.25"
H13 Ferrule
H14 Ferrule
H15 Ferrule
H16 Ferrule

E1 #4-40 3/16" flat
E2 #4-40 3/16" flat
E3 #6-32 1/4" flat
E4 #6-32 1/4" flat
E5 #6-32 1/4" flat
E6 BNC lock washer
E7 BNC nut
E8 BNC lock washer
E9 BNC nut
E10 BNC lock washer
E11 BNC nut

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

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
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
E54 #4-40 3/16" flat
E55 #4-40 3/16" flat

RF modules need to be mounted on mounting plate.

Cables C1 to C3 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.

C1: L=7", Belden 1671A with SMA Male and SMA Male
C2/C3: L=6", Belden 1671A with SMA Male and SMA Male

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

PN2
Mounting Plate
LIGO
D1100975-v1

PN3
IU chassis
LIGO
D1001098-v1

PN4
Front Panel
LIGO
D1100976-v1

PN5
Rear Panel
LIGO
D1100977-v1

Title RF Frequency Divide-by-Eight		
Size B	Number D1100974	Revision 1
Date: 5/23/2011	Sheet 1 of 1	
File: C:\Users\...\RFFrequencyDivEight1.SchDoc	Drawn By: Daniel Sigg	