

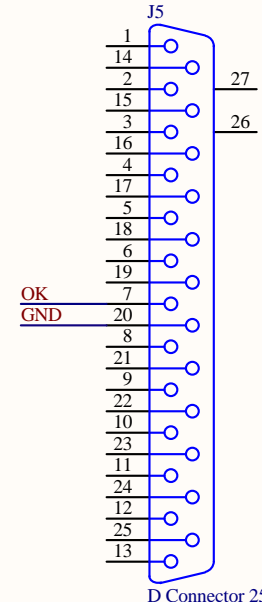
RF modules need to be mounted on mounting plate.

Cables C1 to C4 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.

C1: L=7", Belden 1671A with SMA Male and SMA Male
C2/C3/C4: L=6", Belden 1671A with SMA Male and SMA Male

For OK/GND use a twisted pair and solder it to pins 7/20 on the D-sub and to the back side of U3 at testpoints TP14 and TP10, respectively.



- H1 #4-40 pan, 3/16"
- H2 #4-40 pan, 3/16"
- McMaster-Carr 90272A105
- H3 #4 lock washer
- H4 #4 lock washer
- McMaster-Carr 91113A005
- 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"
- McMaster-Carr 93405A145
- E1 #6-32 1/4" flat
- E2 #6-32 1/4" flat
- H11 Handle, 1.25"
- H12 Handle, 1.25"
- Mouser 534-9106
- H13 Ferrule
- H14 Ferrule
- H15 Ferrule
- H16 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
- E3 #4-40 3/16" flat
- E4 #4-40 3/16" flat
- E5 #4-40 3/16" flat
- E6 #4-40 3/16" flat
- E7 #4-40 3/16" flat
- E8 #4-40 3/16" flat
- E9 #4-40 3/16" flat
- 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
- 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

- CA1 SMA cable 10"
- Digi-Key 744-1428-ND
- CA2 SMA cable 10"
- Digi-Key 744-1428-ND
- CA3 SMA cable 10"
- Digi-Key 744-1428-ND
- CA4 SMA cable 4"
- Digi-Key 744-1374-ND

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

- PN2 Mounting Plate
LIGO D1201297-v1
- PN3 1U chassis
LIGO D1001098-v1
- PN4 Front Panel
LIGO D1201295-v1
- PN5 Rear Panel
LIGO D1201296-v1

Title RF Pre Amplifier		
Size B	Number D1201294	Revision 1
Date: 9/17/2012	Sheet 1 of 1	
File: C:\Users\...\RFPreAmplifer1.SchDoc	Drawn By: Daniel Sigg	