

- PN9  
Mounting Plate  
LIGO  
D1000130-v2
- PN10  
1U chassis  
LIGO  
D1001098-v1
- PN11  
Front Panel  
LIGO  
D1000125-v2
- PN12  
Rear Panel  
LIGO  
D1000126-v1

RF modules need to be mounted on mounting plate.

Cables C1 to C11 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/C2: L=8", Belden 1671A with SMA Male and SMA R/A Male  
C3: L=6", Belden 1671A with SMA Male and SMA R/A Male  
C4-C11: L=7", Belden 1671A with SMA Male and SMA R/A Male

Title			<b>RF Distribution Amplifier</b>
Size	Number	Revision	
B	<b>D1000124</b>	<b>1</b>	
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A

B

C

D

A

B

C

D

H1  
#2-56 flat head, 3/8"  
McMaster-Carr  
91771A105

H2  
#2-56 flat head, 3/8"  
McMaster-Carr  
91771A105

H3  
#2-56 flat head, 3/8"  
McMaster-Carr  
91771A105

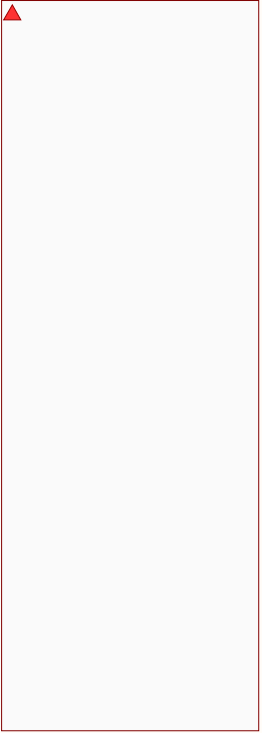
H4  
#2-56 flat head, 3/8"  
McMaster-Carr  
91771A105

H5  
#2-56 flat head, 3/8"  
McMaster-Carr  
91771A105

H6  
#2-56 flat head, 3/8"  
McMaster-Carr  
91771A105

H7  
#2-56 flat head, 3/8"  
McMaster-Carr  
91771A105

H8  
#2-56 flat head, 3/8"  
McMaster-Carr  
91771A105



H9  
#6-32 pan, lock washer, 5/16"  
McMaster-Carr  
93405A145

H10  
#6-32 pan, lock washer, 5/16"  
McMaster-Carr  
93405A145

H11  
#6-32 pan, lock washer, 5/16"  
McMaster-Carr  
93405A145

H12  
#6-32 pan, lock washer, 5/16"  
McMaster-Carr  
93405A145

H13  
#6-32 pan, lock washer, 5/16"  
McMaster-Carr  
93405A145

H14  
#6-32 pan, lock washer, 5/16"  
McMaster-Carr  
93405A145

H15  
#6-32 pan, lock washer, 5/16"  
McMaster-Carr  
93405A145

H16  
#6-32 pan, lock washer, 5/16"  
McMaster-Carr  
93405A145

H17  
#6-32 pan, lock washer, 5/16"  
McMaster-Carr  
93405A145

CA1 <sup>(C1)</sup>  
SMA cable 8"  
EAM  
SMA cable 8"

CA2 <sup>(C2)</sup>  
SMA cable 8"  
EAM  
SMA cable 8"

CA3 <sup>(C3)</sup>  
SMA cable 6"  
EAM  
SMA cable 6"

CA4 <sup>(C4)</sup>  
SMA cable 7"  
EAM  
SMA cable 7"

CA5 <sup>(C5)</sup>  
SMA cable 7"  
EAM  
SMA cable 7"

CA6 <sup>(C6)</sup>  
SMA cable 7"  
EAM  
SMA cable 7"

CA7 <sup>(C7)</sup>  
SMA cable 7"  
EAM  
SMA cable 7"

CA8 <sup>(C8)</sup>  
SMA cable 7"  
EAM  
SMA cable 7"

CA9 <sup>(C9)</sup>  
SMA cable 7"  
EAM  
SMA cable 7"

CA10 <sup>(C10)</sup>  
SMA cable 7"  
EAM  
SMA cable 7"

CA11 <sup>(C11)</sup>  
SMA cable 7"  
EAM  
SMA cable 7"

PN13  
Cable, 1 pair, shielded  
Mouser  
566-9501-100

V1, VLED cables

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

H18 Handle, 1.25"  
H19 Handle, 1.25"

H20 Ferrule  
H21 Ferrule  
H22 Ferrule  
H23 Ferrule

Mouser  
534-9106  
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

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

Title		
<b>RF Distribution Amplifier: Cables</b>		
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B	<b>D1000124</b>	<b>1</b>
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