



RF oscillator board is mounted inside magnetic shielding.  
 1 PPS locking board is mounted onto timing slave.  
 Timing slave, push wheels, N adapter and step attenuator  
 are mounted to the front-panel.  
 The power board is mounted to the rear panel.

Cables C1 to C3 are semi-rigid RG405.  
 Cables require SMA connectors on both ends.

Adjust power levels with fixed attenuators: Pasternack PE7001.

C4 is a 2-pin LEMO cable.

C5 and V1 are a flat ribbon cables.

V2 uses single pair, shield not connected.

Magnetic shielding is 3"(W) x 2"(H) x 12"(L) carbon steel tube  
 with 0.25" wall thickness; weight approx. 3.3kg  
 Insert uMetal shield inside.

PN1 Connector LEMO Mouser 736-FGG0B302CLAZ	PN5 Cable, 1 pair, shielded Mouser 566-9501-100	PN9 Connector, 2 pin Digi-Key 281-1243-ND	PN12 RG405 cable semi-rigid Pasternack PE-SR405AL-STRAIGHT
PN2 Connector LEMO	PN6 Collet nut LEMO Mouser 736-FFM0B130LC	V2 cable	PN13 Connector SMA/RG405 Digi-Key ACX1181-ND
PN3 Collet LEMO Mouser 736-FGG0B742DN	PN7 Collet nut LEMO		PN14 Connector SMA/RG405
PN4 Collet LEMO			PN15 Connector SMA/RG405
PN10 CO-NETIC AA Foil .004" x 15" x 10" Magnetic Shield Corp. CF004-15-10			PN16 Connector SMA/RG405
PN8 2U chassis LIGO D0900200-v1	PN11 Front Panel LIGO D080703-B		PN17 Connector SMA/RG405
			PN18 Connector SMA/RG405
			C1-C3 cables
			PN19 Magnetic Shield Rear Panel LIGO D0900645-v1
			PN20 Rear Panel LIGO D080704-A
			PN21 Mounting Plate LIGO D0900141-B

Title <b>RF Source</b>		
Size A	Number <b>D080702</b>	Revision <b>A</b>
Date: 4/14/2009	Sheet 1 of 2	
File: C:\User\...\RFSource1.SchDoc	Drawn By: Daniel Sigg	

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

H1 98H1244  
 H2 98H1244  
 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 1/4" flat  
 M8 #6-32 1/4" flat  
 M9 #6-32 1/4" flat  
 M10 #6-32 1/4" 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  
 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

Title			<b>RF Source</b>		
Size	Number	Revision			
A	<b>D080702</b>	<b>A</b>			
Date:	4/14/2009	Sheet 2 of 2			
File:	C:\User\...\RFSource2.SchDoc	Drawn By:		Daniel Sigg	