



RF VCXO board needs to be mounted on chassis stand-offs.

Cables C1 to C4 are flexible semi-rigid RG405.
Cables require SMA connectors on both ends.

J2-J4 are BNC bulkhead to SMA cables
J1 is TNC bulkhead to SMA cable
Use BNC insulating bushings to mount

- CA1 SMA cable 6"
- EAM SMA cable 6"; RA/straight
- CA2 SMA cable 6"
- EAM SMA cable 6"; RA/straight
- CA3 SMA cable 11"
- EAM SMA cable 11"; RA/straight
- CA4 SMA cable 11"
- EAM SMA cable 11"; RA/straight
- S1 flat ribbon cable
Digi-Key
M3DDA-3420K-ND
- H1 #6-32 pan, lock washer, 5/16"
- H2 #6-32 pan, lock washer, 5/16"
- H3 #6-32 pan, lock washer, 5/16"
- H4 #6-32 pan, lock washer, 5/16"
- 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 #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"
- 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
- E12 BNC insulating bushing
- E13 BNC insulating bushing
- E14 BNC insulating bushing
- E15 BNC insulating bushing
- E16 BNC insulating bushing
- E17 BNC insulating bushing
- E18 BNC insulating bushing
- E19 BNC insulating bushing
- PN1 Cable, 1 pair, shielded
Mouser
566-9501-100
- PN2 1U chassis
LIGO
D1001098-v1
- PN3 Front Panel
LIGO
D1700012-v1
- PN4 Rear Panel
LIGO
D1700013-v1
- U1 RF VCXO board
LIGO
D1700017-v1
- U2 RF amplifier interface
LIGO
D1000064-A
- U3 Snap-in LED
Digi-Key
350-2127-ND
- U4 Low Noise Power
LIGO
D0901846-D
- U5 RF amplifier switch
Digi-Key
CKN1018-ND

Title		
Voltage Controlled Crystal Oscillator		
Size	Number	Revision
B	D1600500	1
Date:	1/25/2017	Sheet 1 of 1
File:	D:\Users\...\VCXO1.SchDoc	Drawn By: Daniel Sigg