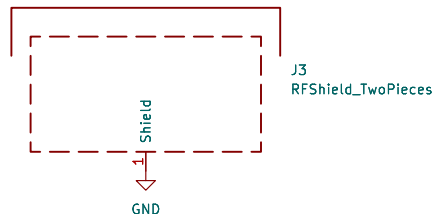
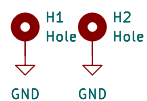


Bias-Tee Jumper Settings

MODE	JP1	JP2	Vreg
12V COAX	1-2	2-3	TRUE
12V EXT	1-2	OPEN	TRUE
5V COAX	2-3	1-2	FALSE



C8-C11, L1-L2 Values

Band	C8-C11	L1, L2
VHF	1000pF	330nH
UHF	330pF	220nH

R3,D1 NOTE:

R3 & D1 are optional for ESD and static protection

R3 is for static bleed, expected value 1 MOhm.
Use with antenna systems that do not provide DC path to ground at Feedpoint (e.g. Gamma or T-Matches).

D1 is a double backed diode for ESD protection and very limited lightning protection (surge protection).
Use of this should be balanced against potential for noise figure increase (to be tested). Different diodes other than BAV99 with same footprint may also be tested.

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Preamplifier for VHF/UHF Satellite Rx
VTGS, GSN-DSA

Sheet: /
File: pga103_v2.2.X.0.kicad_sch

Title: PGA-103+ Preamplifier, Version 2.2.X.0

Size: A Date: 2023-10-02
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