

Revisions		
Issue	Date	Note
3	11/09/2025	See GTXPDC/1129

1. Mechanical

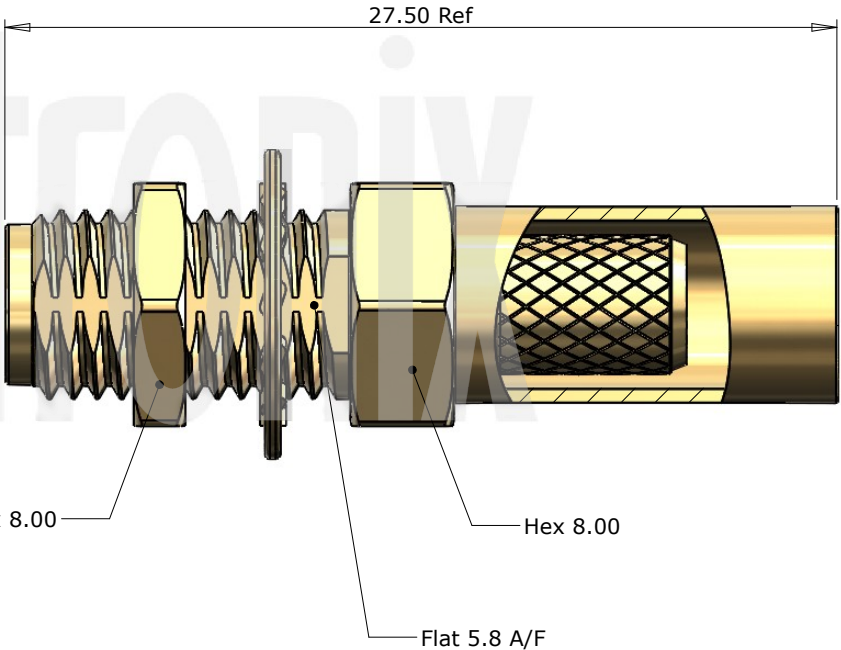
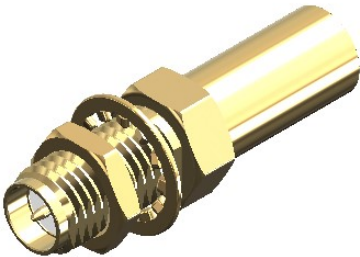
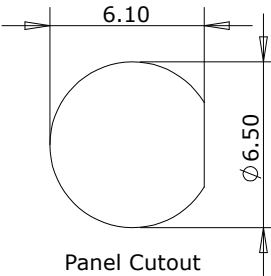
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Lock Nut Torque	0.9 to 1.1Nm / 8-10 in-lbs
Contact Termination	Solder
Fixing Method	Crimp
Maximum Panel Thickness	2.50mm


2. Environmental

RoHS Compliant	Yes
Temperature Range	-65 to +165 degrees C

3. Electrical

Dielectric Withstanding	1000 Volts RMS Maximum
Impedance	50 ohms
Interface Frequency	12.4 GHz
Working Voltage	500 Volts RMS Maximum



				Unless otherwise specified tolerances 0.5-5 = ± 0.2 >5-30 = ± 0.4 >30-120 = ± 0.6 >120-315 = ± 1.0 >315-1000 = ± 1.6 Angles = $\pm 5^\circ$ Units = mm		Author	PJP
						Drawn by	PJP
6	Lock Nut	Brass	Gold			Drawing date	28/02/2023
5	Washer	Phosphor Bronze	Gold			Checked by	DB
4	Ferrule	Brass	Gold			Checked date	06/03/2023
3	Dielectric	PTFE	White	This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.	Part Number MA02-0058-C01-R Title: SMA Reverse Polarity Crimp Bulkhead Jack, Gold Plated, 8mm Hex Flange, RG58, LBC195, URM43	Scale	Not to scale
2	Pin	Brass	Gold				
1	Body	Brass	Gold				
Description		Material	Finish				

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ASSEMBLY INSTRUCTIONS

Assembly Instructions

1) Slide the ferrule onto the cable and strip the cable to the dimensions as shown, taking care not to nick the centre conductor or braid



2) Solder the pin onto the centre core and then slide the pin into the body until it captivates, ensuring that the cable braid is on the outside of the connector mandril.

3) Slide the ferrule forward and crimp

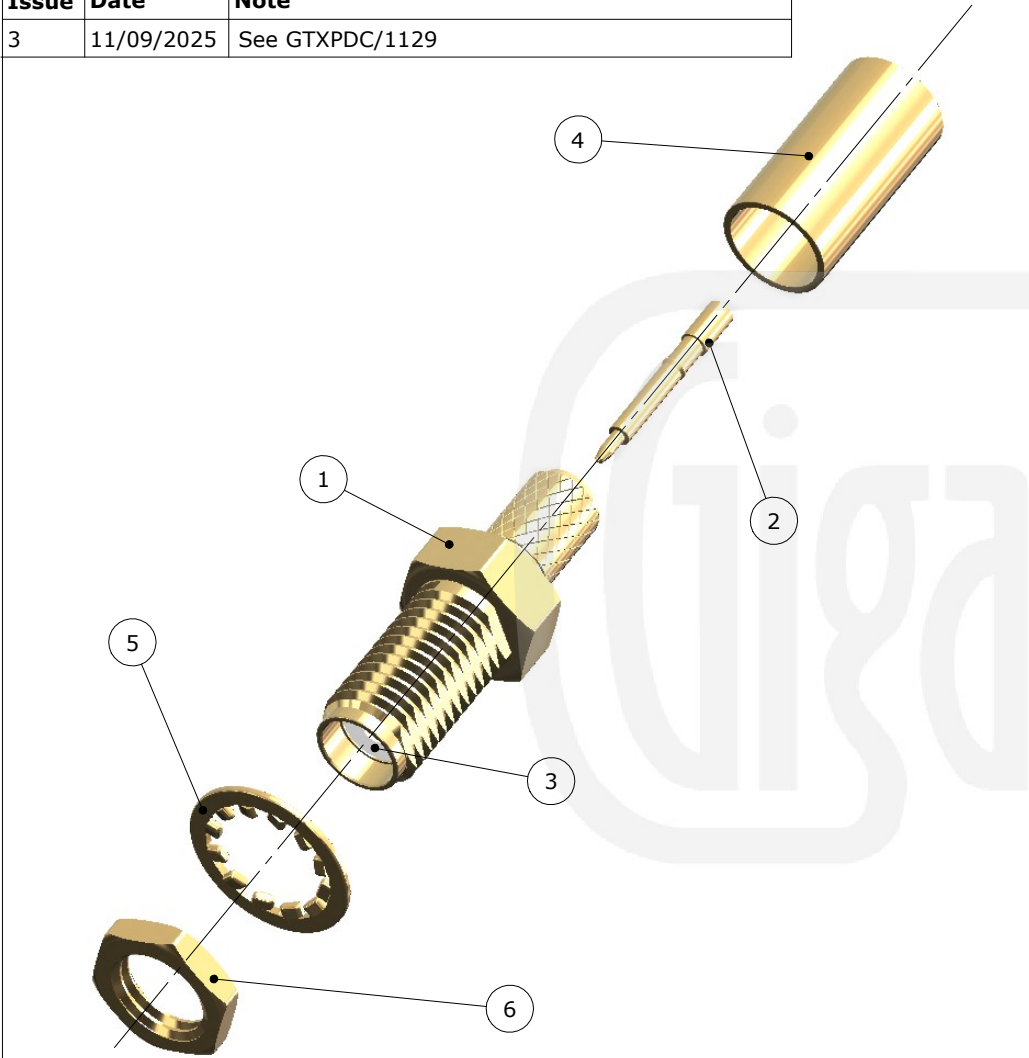



Crimp Die Sizes:

5.41mm Hex., Solder centre core

Strip Dimensions:

A=8.0mm, B=2.5mm, C=2.5mm



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