

**Revisions**

Issue	Date	Note
2	21/02/2023	See GTXPDC/675 - checked DB 24/02/2023

**DATASHEET**



**1. Mechanical**

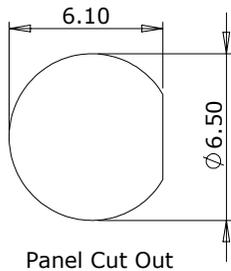
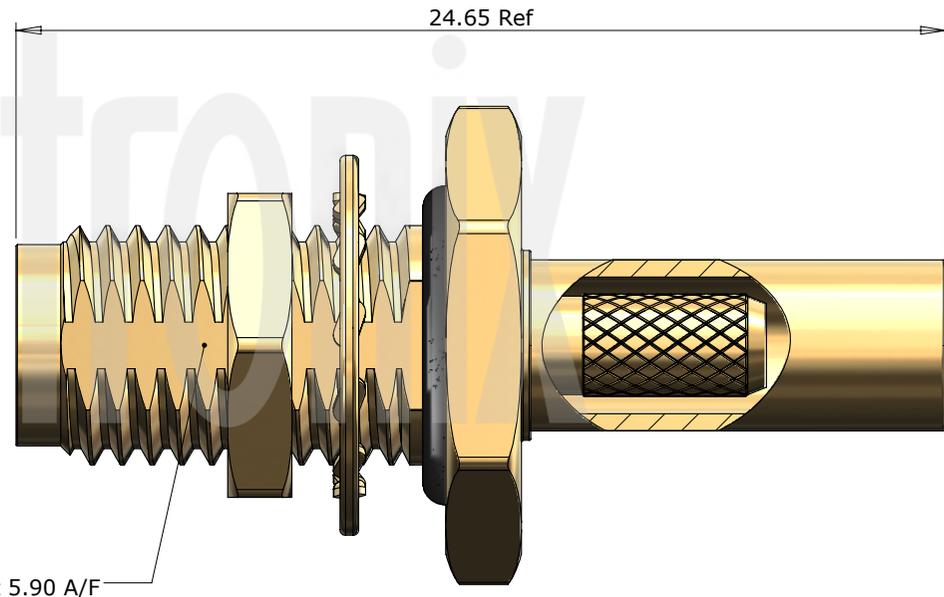
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Lock Nut Torque	0.9 to 1.1Nm / 8-10 in-lbs
Contact Termination	Solder

**2. Environmental**

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

**3. Electrical**

Dielectric Withstanding	750 Volts RMS Maximum
Impedance	50 ohms
Interface Frequency	12.4 GHz
Working Voltage	335 Volts RMS Maximum



8	Lock Nut	Brass	Gold
7	Washer	Phosphor Bronze	Gold
6	O Ring	Silicone	Black
5	Ferrule	Brass	Gold
4	Dielectric	PTFE	White
3	Pin	Brass	Gold
2	Contact	Beryllium Copper	Gold
1	Body	Brass	Gold
	<b>Description</b>	<b>Material</b>	<b>Finish</b>

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 = ±5°  
 Units = mm

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<b>Author</b>	PJP
<b>Drawn by</b>	PJP
<b>Drawing date</b>	02/11/2015
<b>Checked by</b>	TM
<b>Checked date</b>	02/11/2015
<b>Scale</b>	Not to scale

<b>Part Number</b>	MA02-3162-C01WP
<b>Title:</b>	SMA Waterproof Crimp Bulkhead Jack, IP68, Gold Plated, RD316

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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



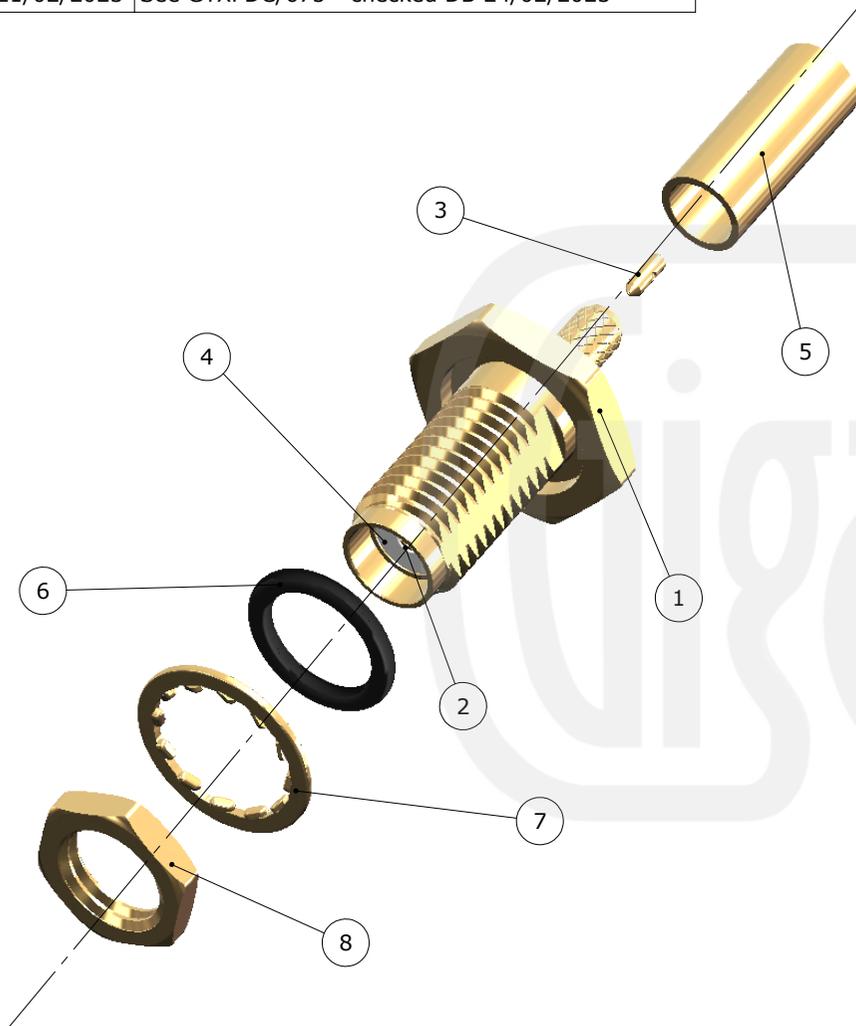
2) Crimp the pin onto the centre core and slide the pin into the body, ensuring that the cable braid is on the outside of the connector mandril and that the contact is fully located

3) Slide the ferrule forward and crimp



**Crimp Die Sizes:**  
3.83mm Hex., 0.72mm sq.

**Strip Dimensions:**  
A=7.0mm, B=4.0mm, C=1.5mm



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