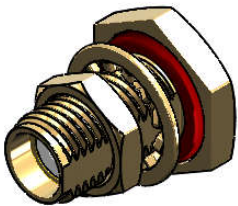


Revisions		
Issue	Date	Note
1	02/07/2025	See GTXPDC/1116



1. Mechanical

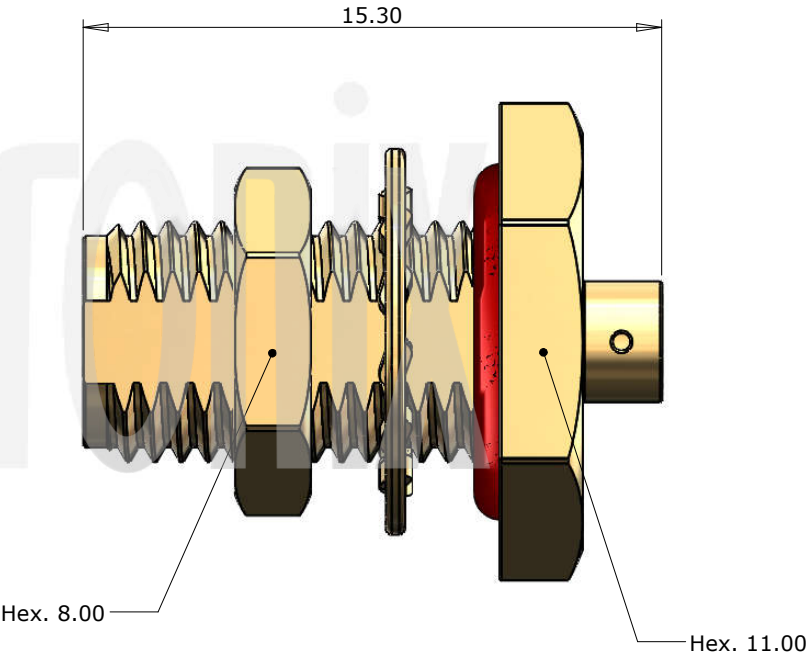
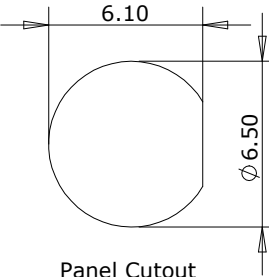
Cable Retention	136N
Contact Retention	27N
Durability	500 mating cycles
Fixing Method	Solder
Maximum Panel Thickness	3.50mm

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	18 GHz
Working Voltage	335 Volts RMS Maximum
VSWR	< 1.35 @ 18 GHz



				<div> <div> Unless otherwise specified tolerances  0.5-5 = ±0.2  &gt;5-30 = ±0.4  &gt;30-120 = ±0.6  &gt;120-315 = ±1.0  &gt;315-1000 = ±1.6  Angles = ±5°  Units = mm </div> <div> This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation. </div> </div>	<div> <div> </div> <div> <div>Part Number</div> <div>MA02-0405-R01</div> </div> <div> <div>Title:</div> <div>SMA Solder Bulkhead Jack, Gold Plated, 11mm Hex Flange, RG405, .085 semi-rigid</div> </div> </div>	<div>Author</div> <div>PJP</div>
						<div>Drawn by</div> <div>PJP</div>
6	O Ring	Silicone Rubber	Red			<div>Drawing date</div> <div>02/07/2025</div>
5	Lock Nut	Brass	Gold			<div>Checked by</div> <div>DB</div>
4	Washer	Brass	Gold			<div>Checked date</div> <div>04/07/2025</div>
3	Dielectric	PTFE	White			<div>Scale</div> <div>Not to scale</div>
2	Contact	Beryllium Copper	Gold			
1	Body	Brass	Gold			
Description		Material	Finish			

Revisions		
Issue	Date	Note
1	02/07/2025	See GTXPDC/1116

ASSEMBLY INSTRUCTIONS

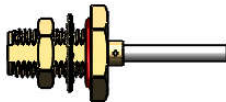
Assembly Instructions

1) Strip the cable to the dimensions as shown, taking care not to nick the centre core.



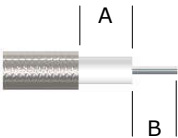
2) Solder the contact onto the centre core and slide the contact into the body. Ensuring that the contact is located in accordance with MIL-C-39012 interface dimensional requirements.

3) Solder the outer shield of the cable to the connector mandril




Strip Dimensions:

Conformable Cable / Semi Rigid Cable (use a 0.5mm airgap/spacer whilst soldering contact)  
A=0.0mm, B=3.0mm



Conformable FEP Cable (use a 0.5mm airgap/spacer whilst soldering contact)  
A=6.0mm, B=0.0mm, C=3.0mm



				<p>Unless otherwise specified tolerances  0.5-5 = ±0.2  &gt;5-30 = ±0.4  &gt;30-120 = ±0.6  &gt;120-315 = ±1.0  &gt;315-1000 = ±1.6  Angles = ±5°  Units = mm</p>		Author	PJP
						Drawn by	PJP
6	O Ring	Silicone Rubber	Red			Drawing date	02/07/2025
5	Lock Nut	Brass	Gold			Checked by	DB
4	Washer	Brass	Gold			Checked date	04/07/2025
3	Dielectric	PTFE	White	<p>This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.</p>	<b>Part Number</b> MA02-0405-R01 <b>Title:</b> SMA Solder Bulkhead Jack, Gold Plated, 11mm Hex Flange, RG405, .085 semi-rigid	Scale	Not to scale
2	Contact	Beryllium Copper	Gold				
1	Body	Brass	Gold				
<b>Description</b>		<b>Material</b>	<b>Finish</b>				