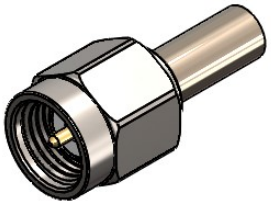


Revisions		
Issue	Date	Note
2	29/05/2025	See GTXPDC/1100



1. Mechanical

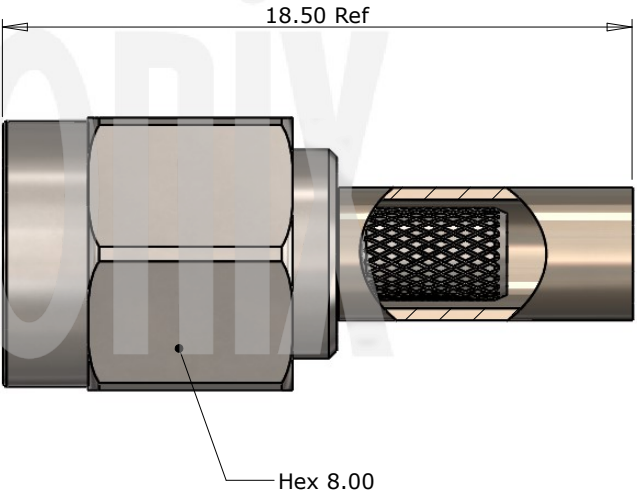
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Mating Torque	0.79 to 1.13Nm (7-10 in-lbs)
Fixing Method	Crimp
Contact Termination	Crimp or Solder


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



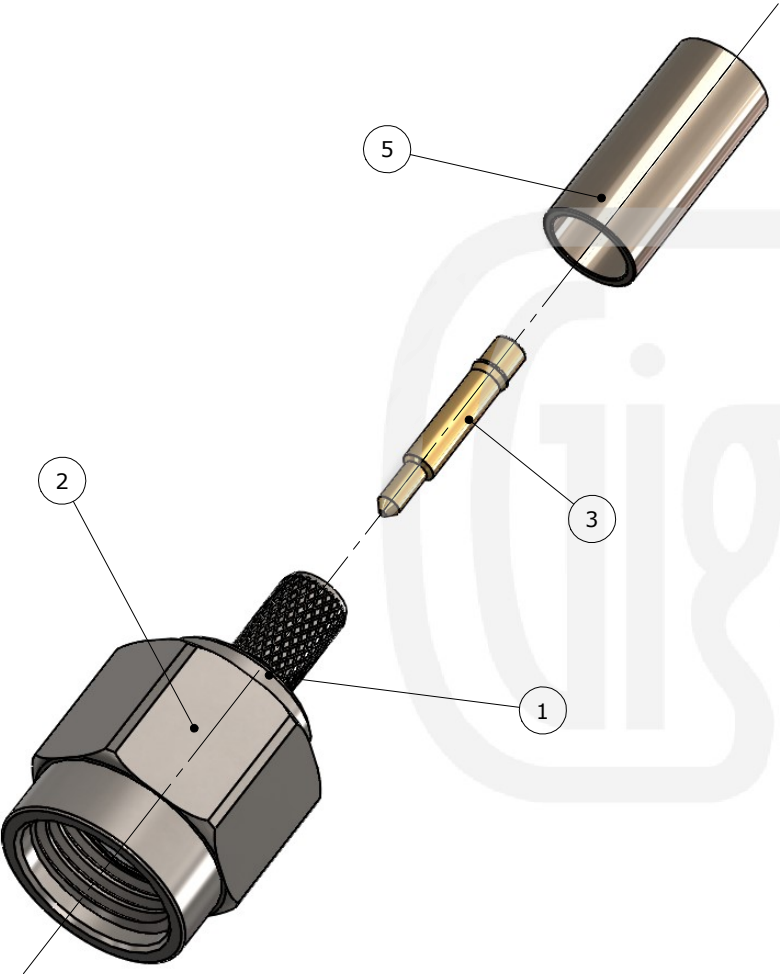
				<p>Unless otherwise specified tolerances 0.5-5 = ±0.2 &gt;5-30 = ±0.4 &gt;30-120 = ±0.6 &gt;120-315 = ±1.0 &gt;315-1000 = ±1.6 Angles = ±5° Units = mm</p>		<b>Author</b> PJP	
						<b>Drawn by</b> PJP	
						<b>Drawing date</b> 01/08/2024	
5	Ferrule	Brass	Nickel			<b>Checked by</b> DB	
4	Dielectric	PTFE	White			<b>Checked date</b> 07/08/2024	
3	Pin	Brass	Gold			<b>Scale</b> Not to scale	
2	Coupling Nut	Stainless Steel	Passivated	<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> MA15-0174-C04		
1	Body	Stainless Steel	Passivated		<b>Title:</b> SMA Crimp Plug, Stainless Steel, RG174, LBC100, RG316		
	<b>Description</b>	<b>Material</b>	<b>Finish</b>				

Revisions		
Issue	Date	Note
2	29/05/2025	See GTXPDC/1100

# ASSEMBLY INSTRUCTIONS

## Assembly Instructions

- 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
- Crimp or solder 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 pin is located in accordance with MIL-C-39012 interface dimensional requirements.
- Slide the ferrule forward and crimp




2) Crimp or solder 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 pin is located in accordance with MIL-C-39012 interface dimensional requirements.



**Crimp Die Sizes:**  
3.25mm Hex., 1.07mm sq. or Hex.

**Strip Dimensions:**  
A=5.0mm, B=1.8mm, C=3.2mm



				Unless otherwise specified tolerances 0.5-5 = $\pm 0.2$ >5-30 = $\pm 0.4$ >30-120 = $\pm 0.6$ >120-315 = $\pm 1.0$ >315-1000 = $\pm 1.6$ Angles = $\pm 5^\circ$ Units = mm		<b>Author</b>	PJP
						<b>Drawn by</b>	PJP
						<b>Drawing date</b>	01/08/2024
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5	Ferrule	Brass	Nickel	This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.	<b>Part Number</b> MA15-0174-C04  <b>Title:</b> SMA Crimp Plug, Stainless Steel, RG174, LBC100, RG316	<b>Scale</b>	Not to scale
4	Dielectric	PTFE	White				
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<b>Description</b>		<b>Material</b>	<b>Finish</b>				