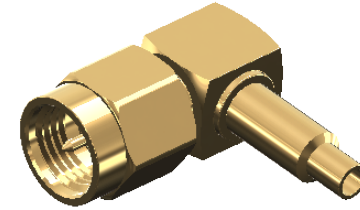


Revisions

Issue	Date	Note
2	09/02/2023	See note GTXPDC/658

DATASHEET



1. Mechanical

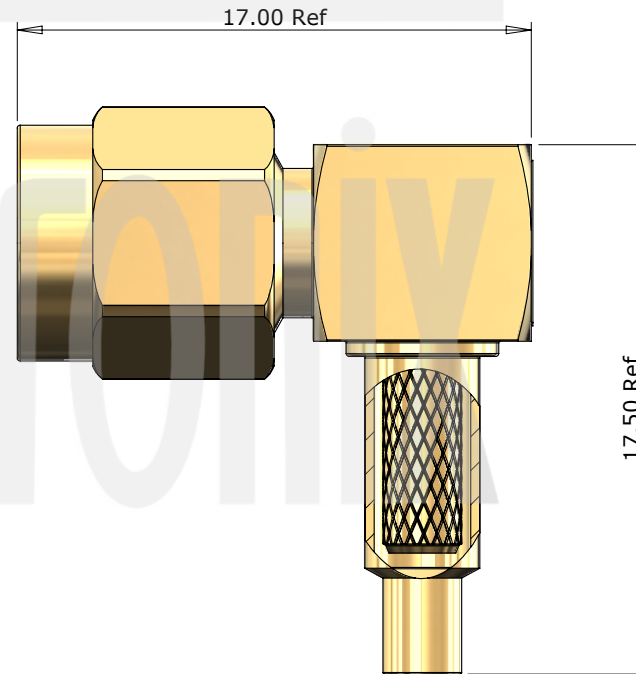
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Mating Torque	0.79 to 1.13Nm (7-10 in-lbs)
Fixing Method	Crimp
Contact Termination	Solder

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



9	Insulator	ABS	White
8	End Cap	Brass	Gold
7	Insulator	PTFE	White
6	Tube	Brass	Nickel
5	Ferrule	Brass	Gold
4	Dielectric	PTFE	White
3	Pin	Brass	Gold
2	Coupling Nut	Brass	Gold
1	Body	Brass	Gold
	Description	Material	Finish

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

This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.



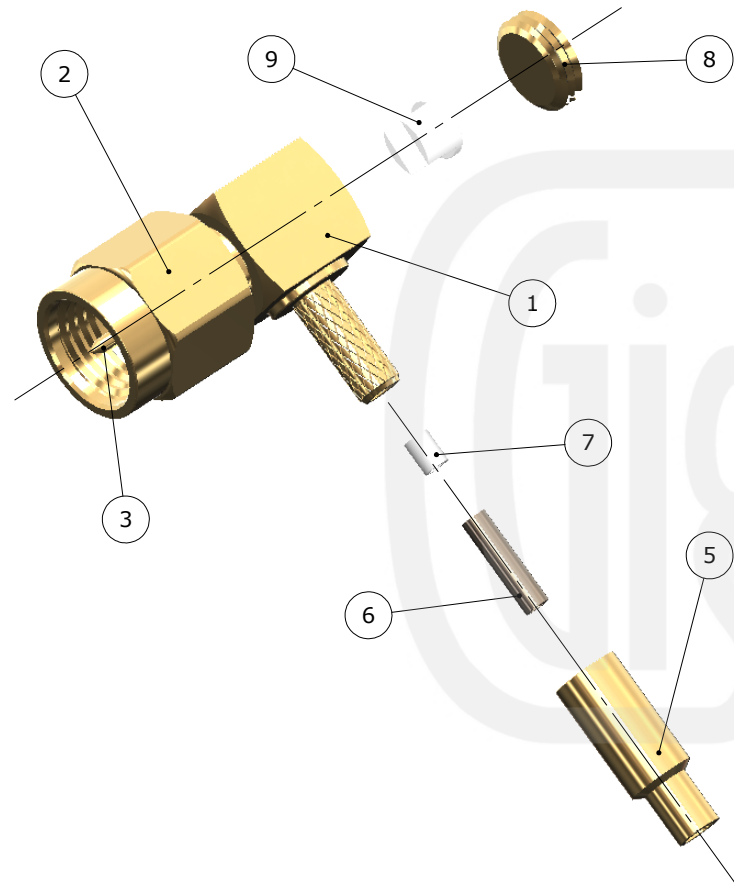
Author	PJP
Drawn by	PJP
Drawing date	19/01/2023
Checked by	DB
Checked date	20/01/2023
Scale	Not to scale

Part Number MA17-0178-C01

Title: SMA Crimp Right Angle Plug, Gold Plated, RG178

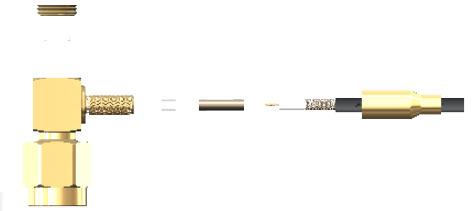
Revisions		
Issue	Date	Note
2	09/02/2023	See note GTXPDC/658

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) Open the braid then slide the tube and insulator onto the cable but under the braid. Insert the cable into the body, ensuring that the cable braid is on the outside of the connector mandril and that the centre core locates in the internal mounting post.

3) Slide the ferrule forward and crimp. Solder the centre core of the cable to the mounting post and fit the insulator and end cap.



Crimp Die Sizes:
3.25mm Hex., Solder centre core

Strip Dimensions:
A=7.0mm, B=2.5mm, C=2.2mm



9	Insulator	ABS	White
8	End Cap	Brass	Gold
7	Insulator	PTFE	White
6	Tube	Brass	Nickel
5	Ferrule	Brass	Gold
4	Dielectric	PTFE	White
3	Pin	Brass	Gold
2	Coupling Nut	Brass	Gold
1	Body	Brass	Gold
	Description	Material	Finish

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

This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.

Gigatronix

Part Number MA17-0178-C01

Title: SMA Crimp Right Angle Plug, Gold Plated, RG178

Author	PJP
Drawn by	PJP
Drawing date	19/01/2023
Checked by	DB
Checked date	20/01/2023
Scale	Not to scale