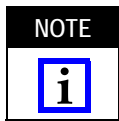


Figure 1

1. INTRODUCTION

This instruction sheet covers the assembly procedure for SMA Straight Connector 1-1478908-0. This connector is designed to be applied to RG-174/U, 188A/U, RG-316/U, URM 95, KX3B, or KX22A cable.



Dimensions in this instruction sheet are in metric units. Dimensions are in millimeters. Figures are not drawn to scale.

2. DESCRIPTION

The connector consists of a plug housing, front dielectric, center contact, rear dielectric, braid clamp, and clamp nut. See Figure 1.

The tool applicable to the connector is listed in Figure 2. Using this tool is optional.

DESCRIPTION	CURRENT PART NUMBER	PREVIOUS PART NUMBER
Center Contact Holder	1055454-1	2098-5221-10 (T-4578)

Figure 2

3. ASSEMBLY PROCEDURE

3.1. Preparing Cable (See Figure 3)

1. Place the clamp nut on the cable.
2. Trim the cable jacket, braid, dielectric, and inner conductor to the length given in Figure 3
3. Flare the cable braid.

3.2. Solder Center Contact to Cable Inner Conductor (See Figure 4)



To avoid personal injury, make sure to follow all local and safety practices when using soldering equipment.

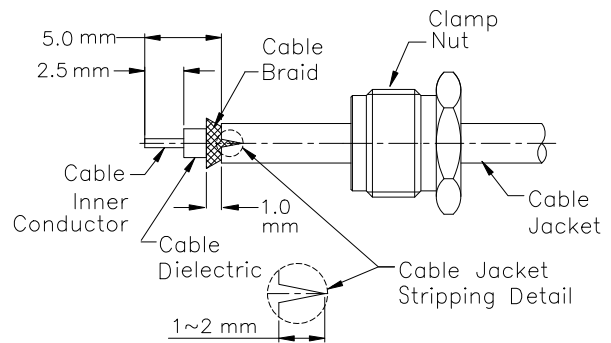


Figure 3

1. If using the center contact holder, place the center contact in the center contact holder.
2. Slide the braid clamp over the cable dielectric and under the cable braid and jacket until the edge of the braid clamp seats against cable jacket with all braid wires on the outside of the braid clamp.
3. Insert the rear dielectric onto the cable until it is seated against the braid clamp.
4. Insert the center contact onto the cable inner conductor until it rests firmly against the rear dielectric.
5. Solder the center contact to the cable inner conductor. Remove excess solder.

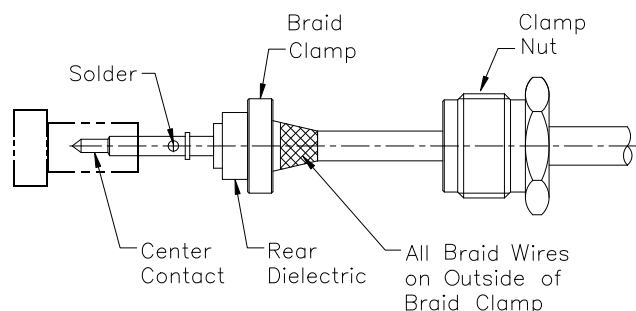


Figure 4

6. If used, remove the center contact holder.

3.3. Insert Front Dielectric onto Center Contact

(See Figure 5)

Insert the front dielectric onto the center contact.

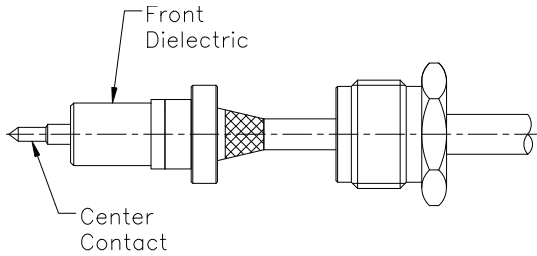


Figure 5

3.4. Secure Plug Housing to Clamp Nut (See Figure 6)

1. Insert the cable assembly into the end of the plug housing.

2. Slide the clamp nut over the braid clamp, and screw it into the plug housing. Tighten the clamp nut to a maximum of torque of 0.9 Nm [8 in.-lbs]

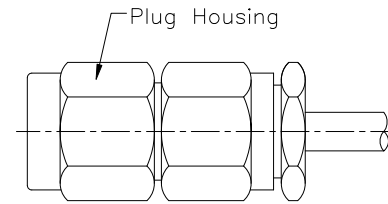


Figure 6

4. REVISION SUMMARY

Initial release of instruction sheet