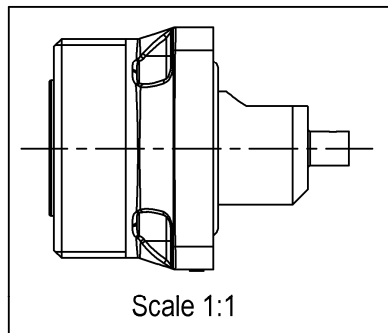
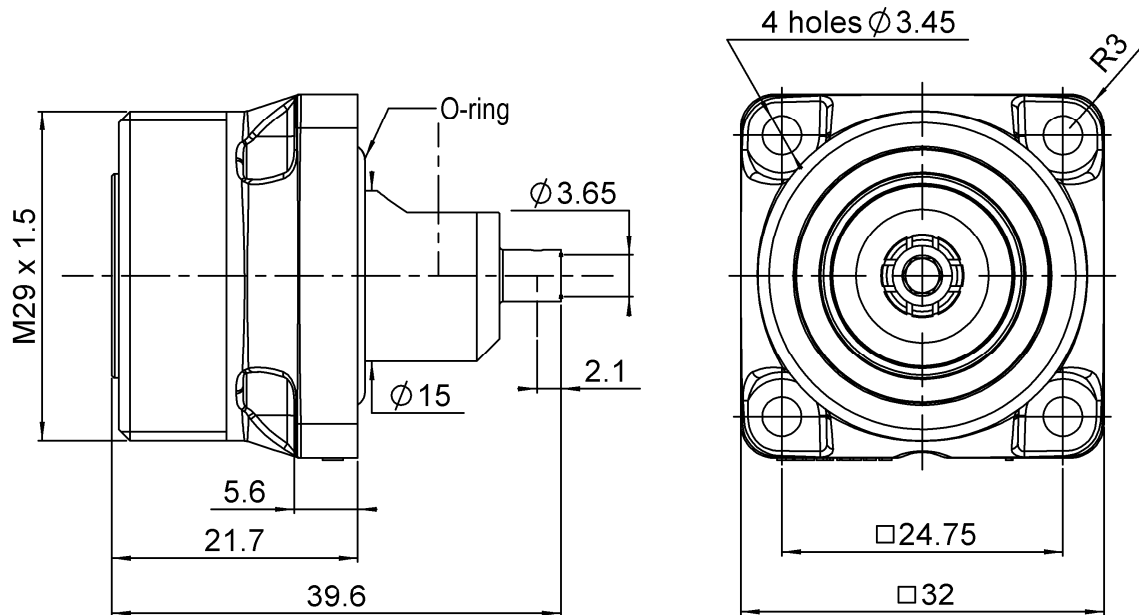
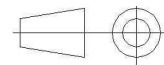
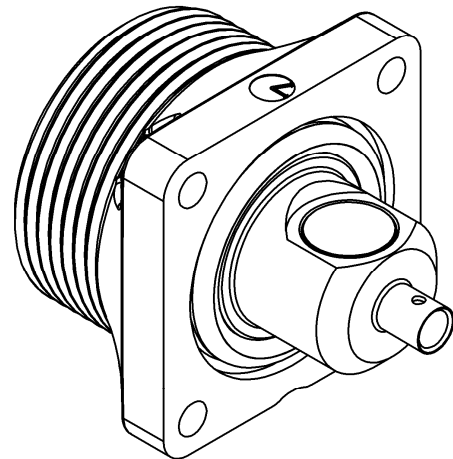


**COMPOSITE SQUARE FLANGE JACK RECEPTACLE**
**R187.403.010**
**PANEL SEAL - SOLDER TYPE CABLE .141**

 Series : 7/16  
**COMPOSITE**


PANEL CUT OUT		
A DIA		
B DIA		
4 holes		
	mm	
	Maxi	mini
A	16.2	16
B	3.7	3.6
C	24.8	24.7



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (µm)
BODY	-	-
CENTER CONTACT	BRONZE	SILVER 5 OVER COPPER 0.5
OUTER CONTACT	BRASS	BBR 0.5 OVER SILVER 3
INSULATOR	PTFE	-
GASKET	SILICONE RUBBER	-
OTHERS PARTS	-	-
.	-	-
.	-	-

**Issue : 0945 B**

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

**RADIAL**

**COMPOSITE SQUARE FLANGE JACK RECEPTACLE****R187.403.010****PANEL SEAL - SOLDER TYPE CABLE .141**Series : 7/16  
**COMPOSITE****PACKAGING**

Standard	Unit	Other
<b>40</b>	<b>'W' option</b>	<b>Contact us</b>

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-7.5</b>	GHz
VSWR	<b>*1.06 + 0,0000</b>	x F(GHz) Maxi
Insertion loss	<b>0.05</b>	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	<b>- ( NA</b>	- F(GHz)) dB Maxi
Voltage rating	<b>1400</b>	Veff Maxi
Dielectric withstanding voltage	<b>2700</b>	Veff mini
Insulation resistance	<b>10000</b>	M $\Omega$ mini

**CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	4,50	0,00	0,00	0,00	0,00	0,00

Assembly instruction: **NA**

Recommended cable(s)

RG 402  
KS 2  
BELN 1673A

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

- pull off	<b>500</b>	N mini
- torque	<b>NA</b>	N.cm

**MECHANICAL CHARACTERISTICS**

Center contact retention		
Axial force – Mating end	<b>200</b>	N mini
Axial force – Opposite end	<b>100***</b>	N mini
Torque	<b>25</b>	N.cm mini

Recommended torque		
Mating	<b>NA</b>	N.cm
Panel nut	<b>NA</b>	N.cm
Clamp nut	<b>NA</b>	N.cm
A/F clamp nut	<b>0,0000</b>	mm

Mating life	<b>500</b>	Cycles mini
Weight	<b>18,6100</b>	g

**TOOLING**

Part Number	Description	Hexagon
.	.	.
R282.053.000	STRIPPING TOOL	
R282.066.010	POINTER GAUGE	
R282.740.030	SOLDERING MOUNTING	

**ENVIRONMENTAL**

Operating temperature	<b>-40/+85</b>	° C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>IP67</b>	

**OTHER CHARACTERISTICS**

\*VSWR:1.06 between DC to 3 GHz

\*\*VSWR:1.1 between 3 to 7 GHz

PIM3/-125dBm under 2 carriers of +43dBm

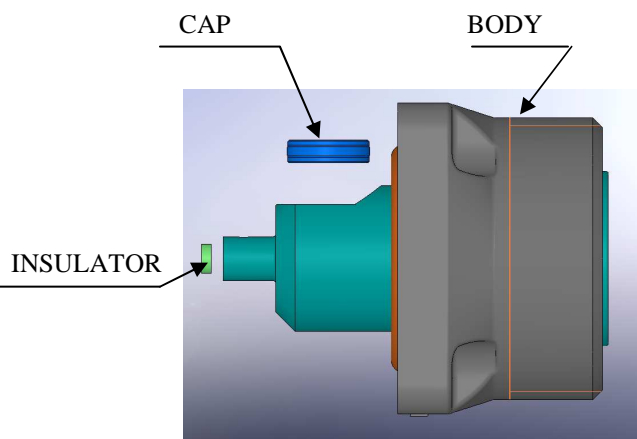
\*\*\*After soldering

Flange fasteners recommended torque: 0.8-1.2 N.m

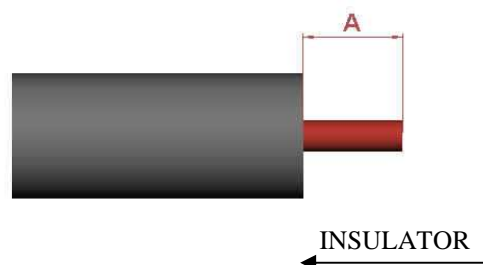
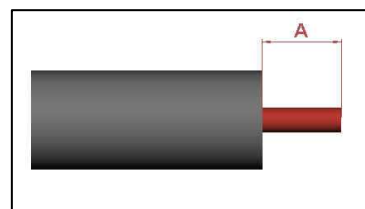
Issue : 0945 B

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

**RADIAL** 

**COMPOSITE SQUARE FLANGE JACK RECEPTACLE****R187.403.010****PANEL SEAL - SOLDER TYPE CABLE .141**Series : 7/16  
**COMPOSITE****We recommend a thermal preconditioning cable****COMPONENTS****1**

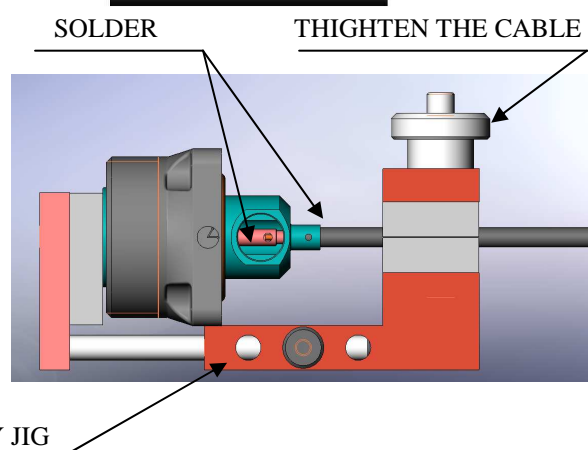
Strip the cable.  
Stripping tool R282.053.000  
Positioner R282.066.010

**STRIPPING****2**

Slide the insulator onto the cable inner conductor.

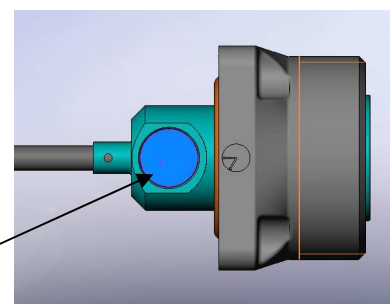
**3**

Introduce the cable into the connector body until it stops.  
Place the sub assembly into the assembly jig R282.740.030 (or equivalent) and tighten it.  
Solder the body onto the cable.  
Let the assembly cool down before removing it from the jig.

**4**

Mount the cap on the connector's body.

PRESS THE CAP

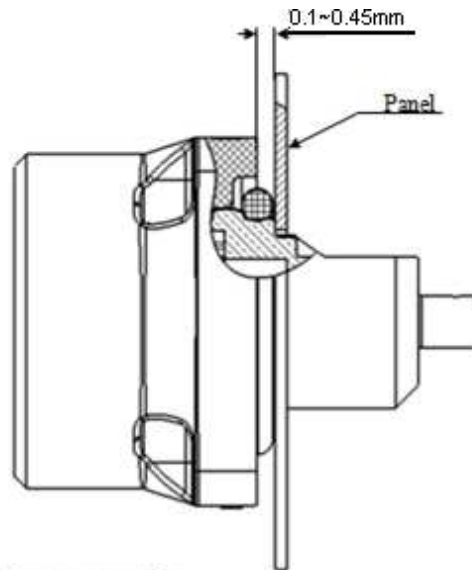
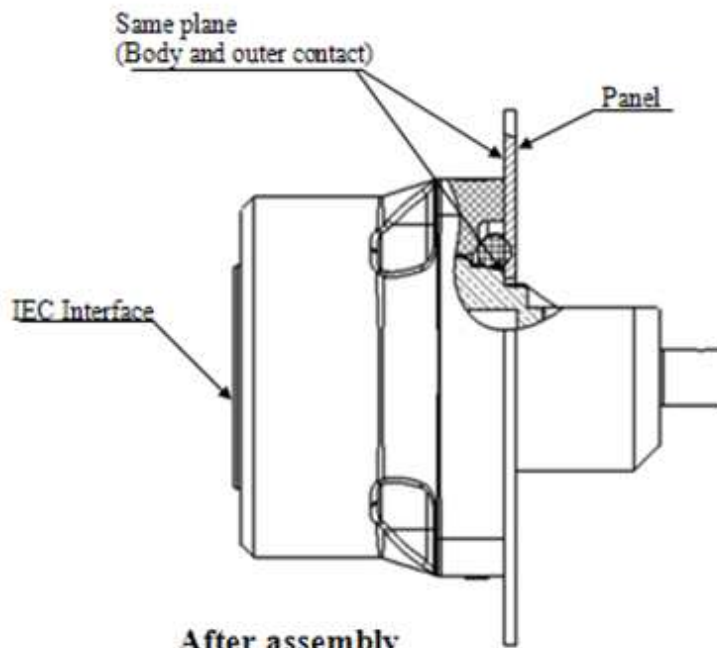
**Issue : 0945 B**

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

**RADIAL**

**COMPOSITE SQUARE FLANGE JACK RECEPTACLE****R187.403.010****PANEL SEAL - SOLDER TYPE CABLE .141**Series : 7/16  
**COMPOSITE****Assembly instruction**

Prior to the installation, the outer contact is slightly protruded from the rear flange (0.1~0.45mm). During the installation, the outer contact is pushed inside the composite housing. In its final position, the outer contact is aligned with the rear flange, and in contact with the panel. During mating, the outer contact is pressed against the panel, reducing significantly the IM3 generation.

**Before assembly****After assembly****Issue : 0945 B**

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

**RADIAL** 