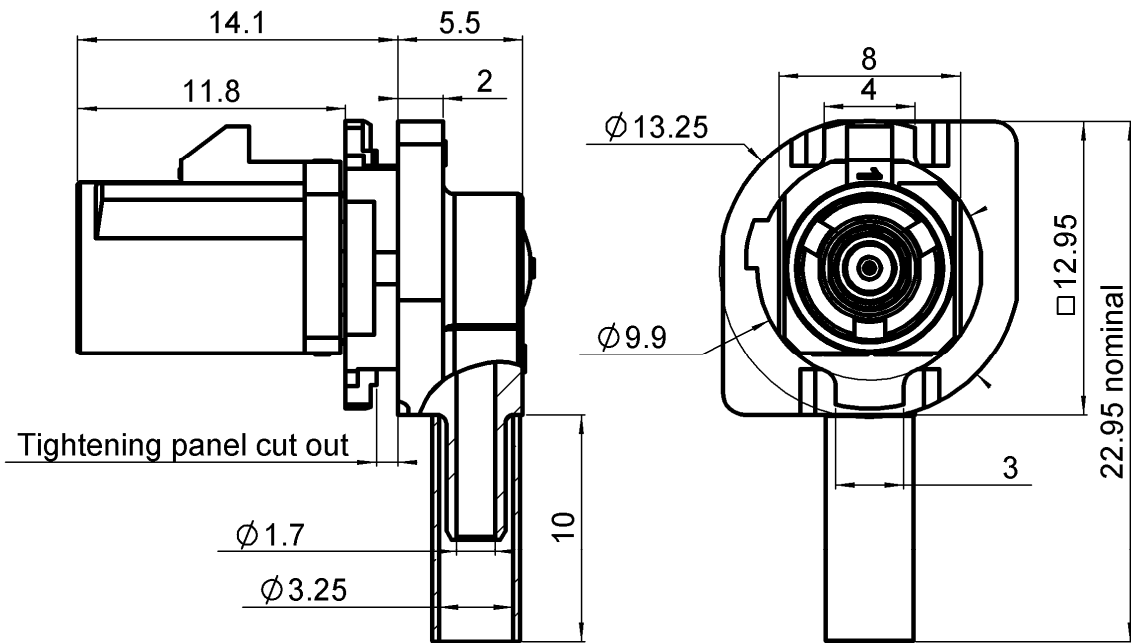


**RIGHT ANGLE TWIST AND LOCK CONNECTOR**

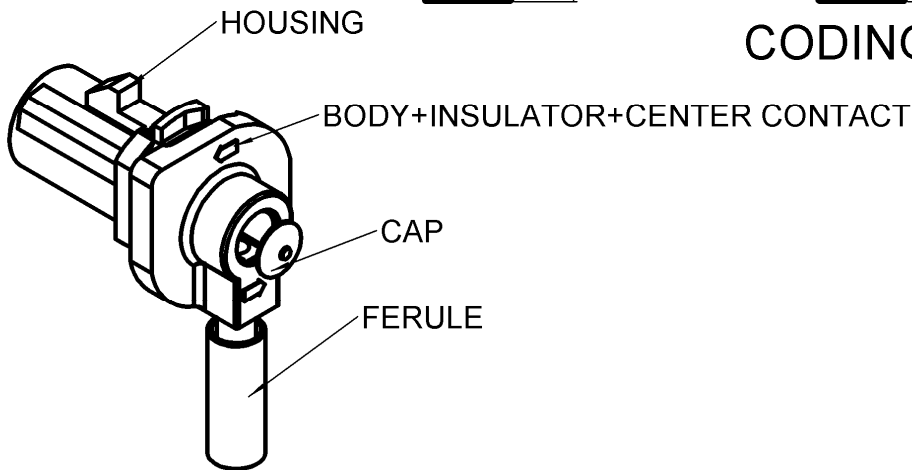
**R197.124.E30**

**ONLY FOR 1 MM PANEL CUT OUT**

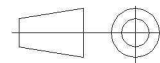
Series : **SMB**  
**CARLOCK**



**CODING E**



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING ( $\mu\text{m}$ )
BODY	ZINC ALLOY	NICKEL 2 OVER COPPER 8
CENTER CONTACT	BRASS	GOLD 0.5 OVER NICKEL 2
OUTER CONTACT	-	-
INSULATOR	PTFE	-
GASKET	-	-
OTHERS PARTS	BRASS	NICKEL 2
-	-	-
-	-	-

Issue : 1002 B

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



**RIGHT ANGLE TWIST AND LOCK CONNECTOR**

**R197.124.E30**

**ONLY FOR 1 MM PANEL CUT OUT**

Series : **SMB  
CARLOCK**

**PACKAGING**

Standard	Unit	Other
<b>100</b>	<b>'W' option</b>	<b>Contact us</b>

**SPECIFICATION**

**QS9000**

**ELECTRICAL CHARACTERISTICS**

Impedance		<b>50</b> Ω
Frequency		<b>0-4</b> GHz
VSWR	<b>1.35</b>	(GHz) Maxi
Insertion loss		<b>0.4</b> √F(GHz) dB Maxi
RF leakage	- (	<b>NA</b> - F(GHz)) dB Maxi
Voltage rating		<b>335</b> Veff Maxi
Dielectric withstanding voltage		<b>1000</b> Veff mini
Insulation resistance		<b>1000</b> MΩ mini

**CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	2,00	5,50	13,0	0,00	11,0	0,00

Assembly instruction :

Recommended cable(s) -  
RG 174  
RG 316

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

**MECHANICAL CHARACTERISTICS**

Center contact retention		
Axial force – Mating end		<b>10</b> N mini
Axial force – Opposite end		<b>10</b> N mini
Torque		<b>NA</b> N.cm mini

Cable retention

- pull off	<b>RG174</b>	<b>60</b>	N mini
	<b>RG316</b>	<b>110</b>	N mini
- torque		<b>NA</b>	N.cm

**TOOLING**

Part Number	Description	Hexagon
.	.	.
R282.235.915	CRIMPING DIES	Hex. 3.25 x 2
R282.271.000	CRIMPING TOOL	Hex. 3.25
R282.293.000	CRIMPING TOOL M22520/5-01	Hex. 3.25
R282.873.000	1/4 SQUARE DRIVE SOCKET	
R282.873.000E	TOOL	

Recommended torque		
Mating		N.cm
Panel nut		N.cm
Clamp nut	<b>NA</b>	N.cm
A/F clamp nut	<b>0,0000</b>	mm
Mating life	<b>50</b>	Cycles mini
Weight	<b>5,0100</b>	g

**ENVIRONMENTAL**

Operating temperature	<b>-40/+110*</b>	° C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

**OTHER CHARACTERISTICS**

\*Depends on the cable used

Issue : **1002 B**

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



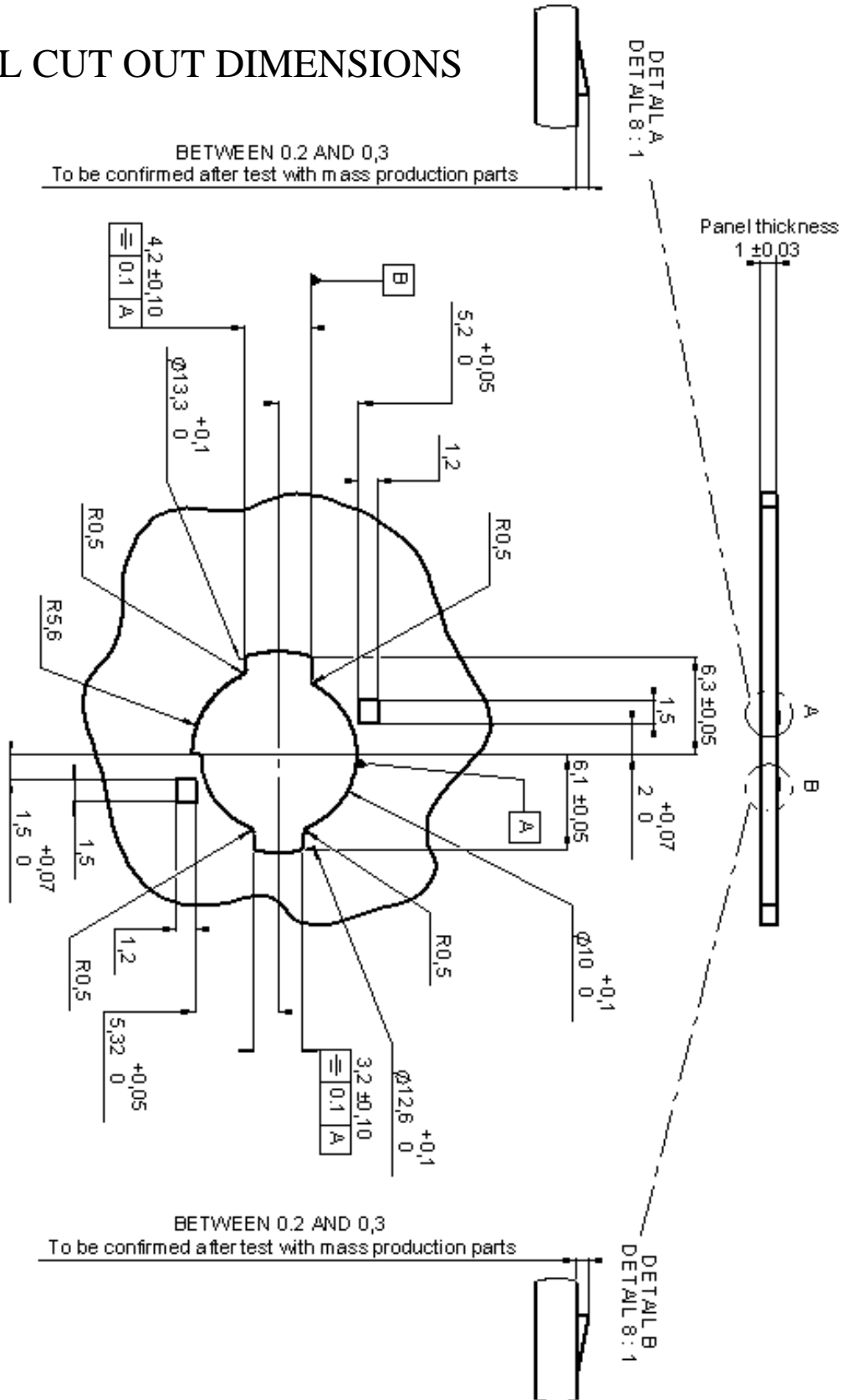
**RIGHT ANGLE TWIST AND LOCK CONNECTOR**

**R197.124.E30**

**ONLY FOR 1 MM PANEL CUT OUT**

Series : **SMB**  
**CARLOCK**

**PANEL CUT OUT DIMENSIONS**



Issue : 1002 B

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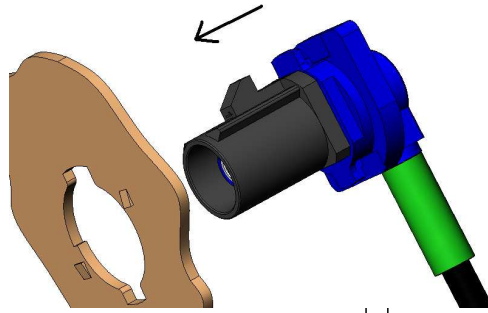
**RIGHT ANGLE TWIST AND LOCK CONNECTOR**

**R197.124.E30**

**ONLY FOR 1 MM PANEL CUT OUT**

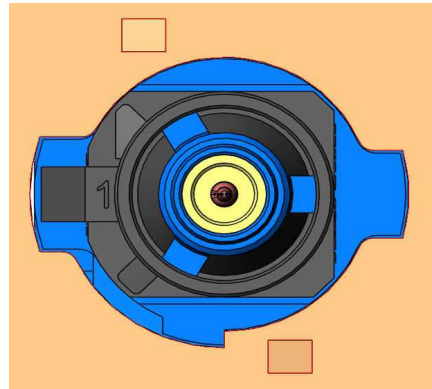
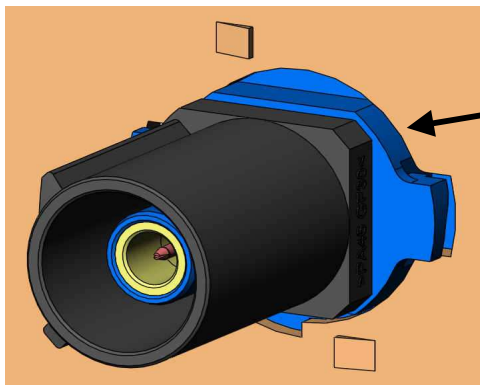
Series : SMB  
CARLOCK

**MOUNTING  
PROCEDURE**

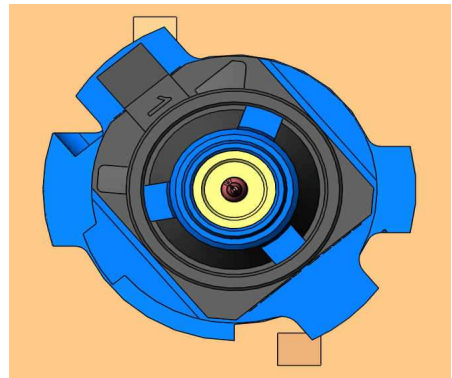
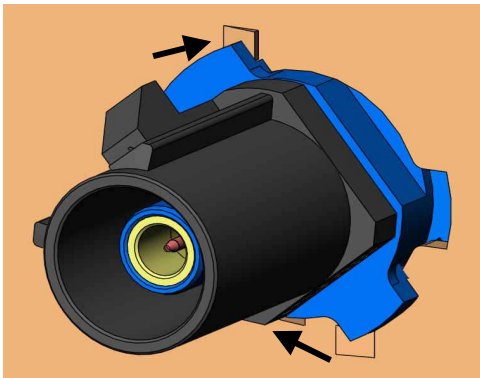


**INITIAL**

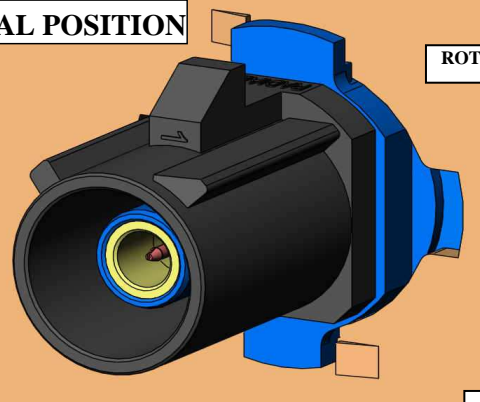
**INSERTION**



**ROTATION**

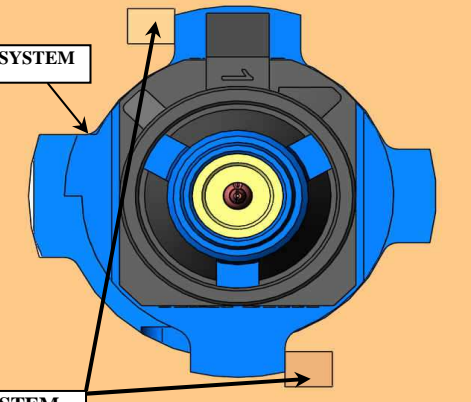


**LOCKING-FINAL POSITION**



**ROTATIONAL STOP SYSTEM**

**LOCKING SYSTEM**



**Issue : 1002 B**

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

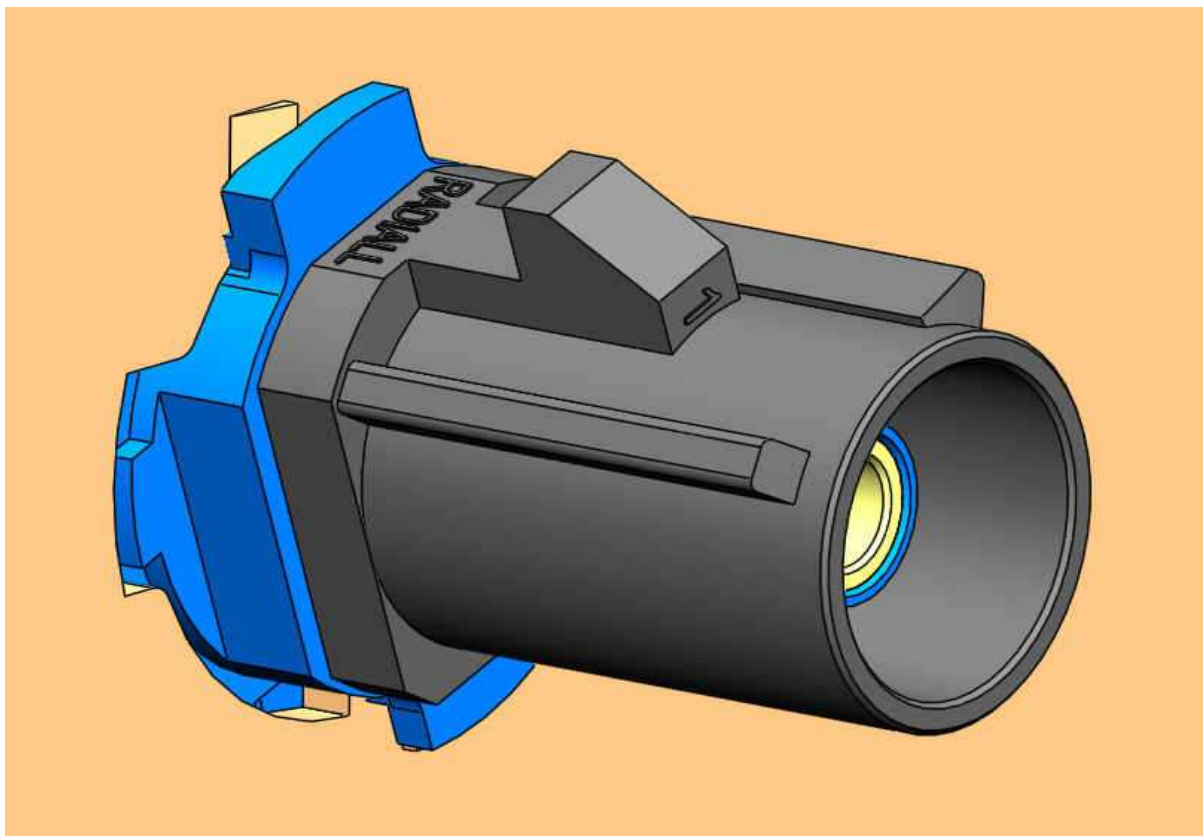
**RIGHT ANGLE TWIST AND LOCK CONNECTOR**

**R197.124.E30**

**ONLY FOR 1 MM PANEL CUT OUT**

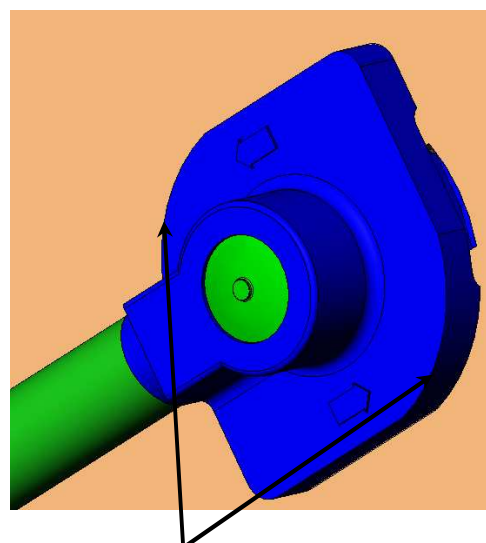
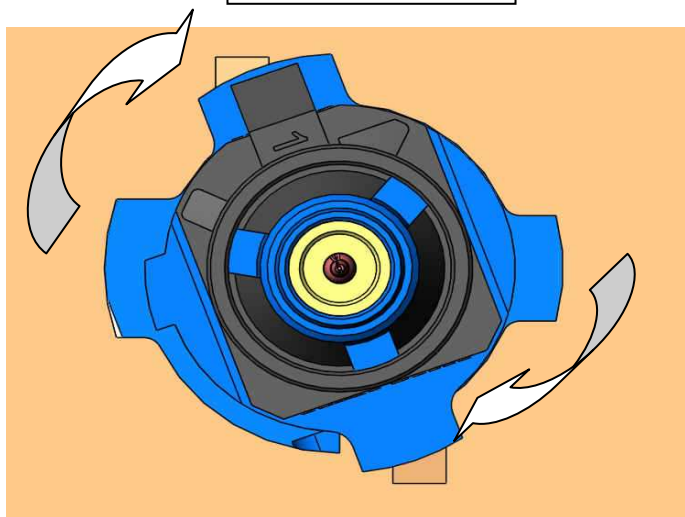
Series : SMB  
CARLOCK

**DETAILS VIEW DURING THE ROTATION**



**FRONT VIEW**

**BACK VIEW**



ROUNDS SHAPES TO PREVENT ANY CONTACTS  
WITH OTHERS ELEMENTS OF THE CHASSIS  
DURING THE ROTATION OF THE CONNECTOR

Issue : 1002 B

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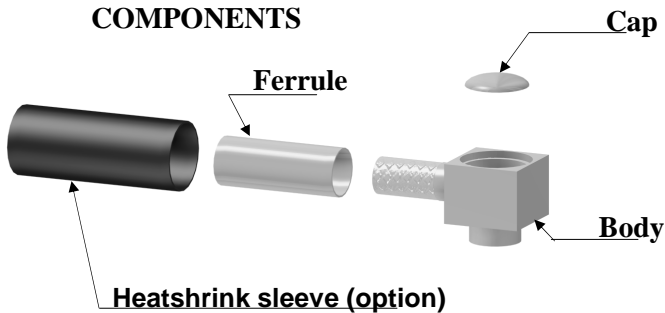
**RIGHT ANGLE TWIST AND LOCK CONNECTOR**

**R197.124.E30**

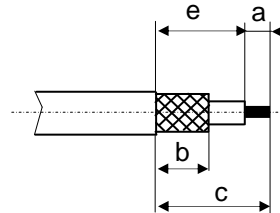
**ONLY FOR 1 MM PANEL CUT OUT**

Series : **SMB**  
**CARLOCK**

**COMPONENTS**

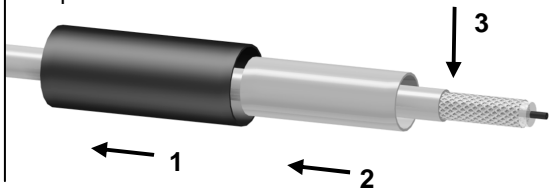


**STRIPPING DIMENSIONS**



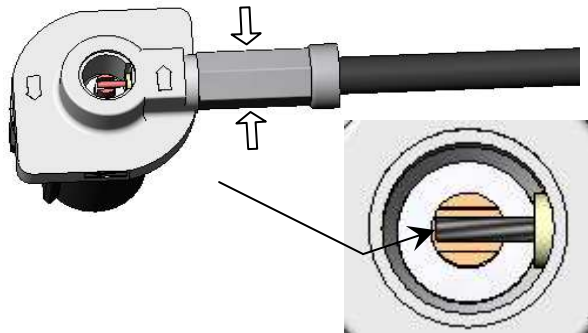
**1**

Slide the heatshrink sleeve onto the cable (option).  
Slide the ferrule onto the cable.  
Strip the cable.



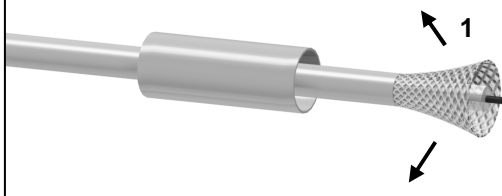
**4**

Crimp the ferrule with crimping tool ( see connector TDS ).  
Solder the inner conductor.



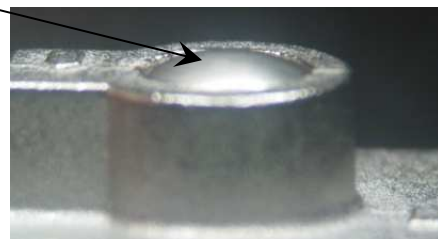
**2**

Fan the braid.



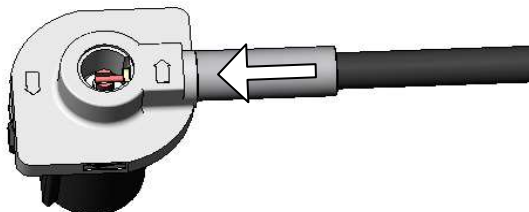
**5**

Place the cap into the body.



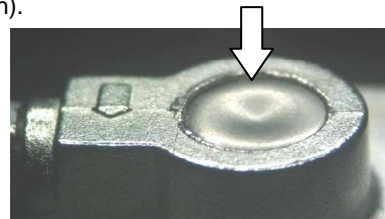
**3**

Push the connector body under the braid.  
Slide the ferrule over the braid.



**6**

Press on the cap flush or slightly below the surface of the body assembly.  
Slide the sleeve over the ferrule and heatshrink it in place (option).



**Issue : 1002 B**

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