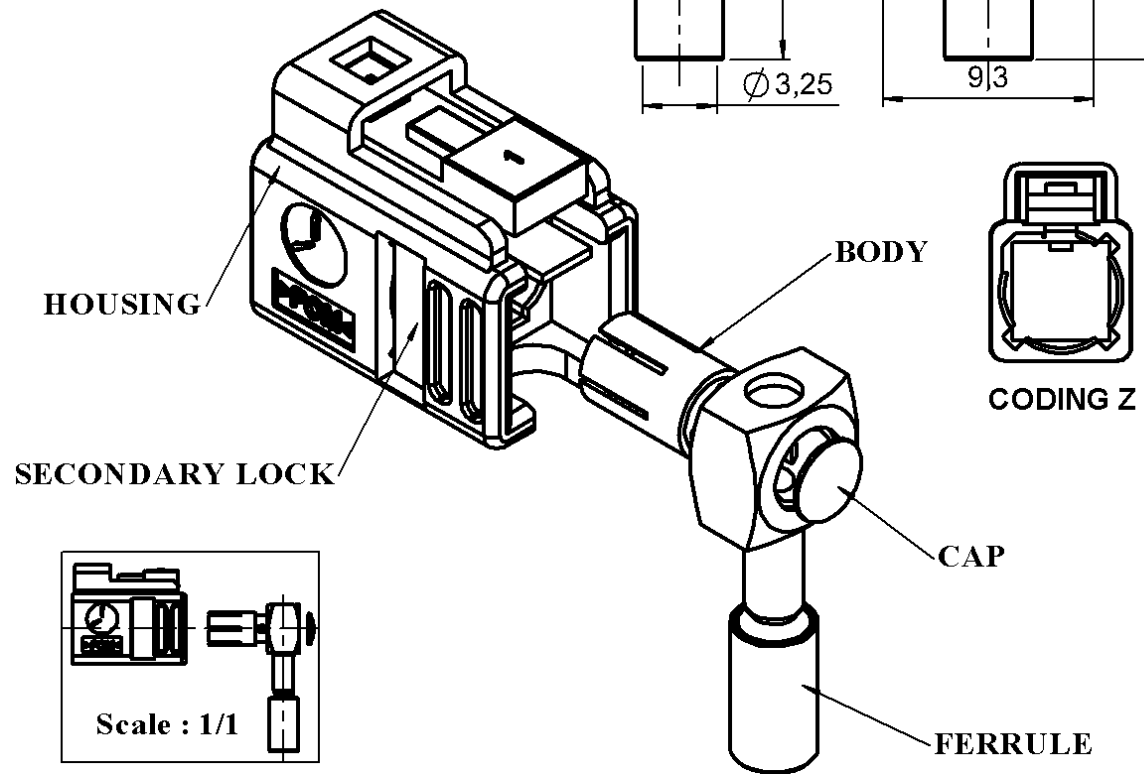
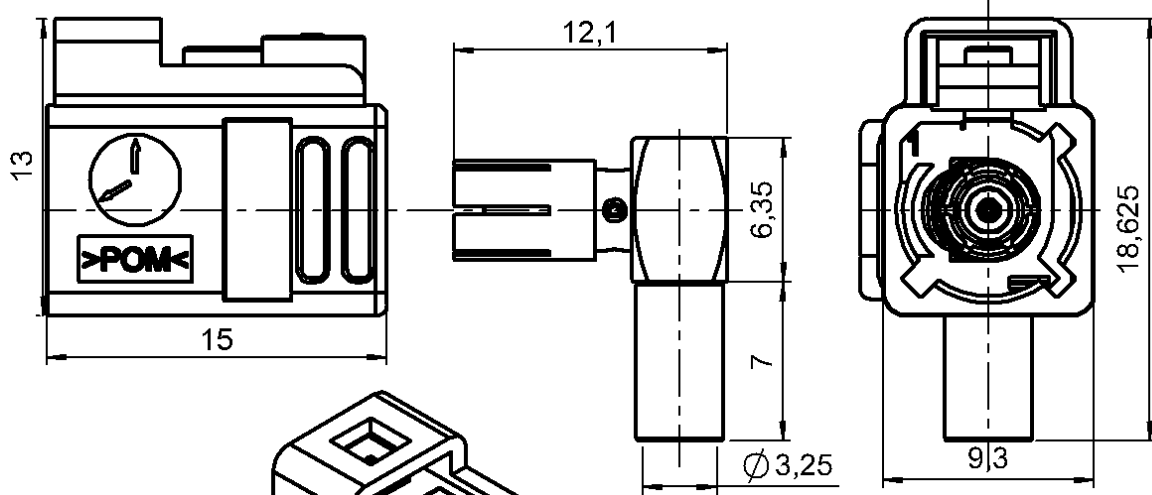


**R/A COAX PLUG+HOUSING**

**R197.120.Z00**

**CABLE 2.6/50**

Series : **CARLOCK**



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING	
<b>BODY</b> <b>CENTRE CONTACT</b> <b>OUTER CONTACT</b> <b>INSULATOR</b> <b>GASKET</b> <b>OTHERS PARTS</b>	<b>BRASS</b> <b>BRONZE</b> <b>BRONZE</b> <b>PTFE</b> <b>-</b> <b>BRASS</b>	<b>NICKEL 2 µm</b> <b>GOLD 0.8 OVER NICKEL 2 µm</b> <b>NICKEL 2 µm</b>	
<b>HOUSING</b> <b>SECONDARY LOCK</b>	<b>Polyoxyméthylène (POM)</b> <b>Polyoxyméthylène (POM)</b>	<b>NICKEL 2 µm</b> <b>UL CLASSIFICATION</b> <b>UL 94 V-2</b> <b>UL 94V-2</b>	<b>COLOR</b> <b>WATER BLUE</b> <b>PURPLE RAL4003</b>

\*According to FAKRA specification



Issue : A0035

Design changes may be in order to improve the product.

**R/A COAX PLUG+HOUSING**

**R197.120.Z00**

**CABLE 2.6/50**

Series : **CARLOCK**

**ELECTRICAL CHARACTERISTICS**

Impedance	<b>50</b> Ω						
Frequency range	<b>0-2</b> GHz						
	<table border="1"> <tr> <th>Frequency</th> <th>1GHz</th> <th>2GHz</th> </tr> <tr> <td>VSWR</td> <td><b>1.1</b></td> <td><b>1.040</b></td> </tr> </table>	Frequency	1GHz	2GHz	VSWR	<b>1.1</b>	<b>1.040</b>
Frequency	1GHz	2GHz					
VSWR	<b>1.1</b>	<b>1.040</b>					
Insertion loss	<b>0.25</b> √F(GHz) dB						
RF leakage	- ( - F(GHz)) dB mini						
Voltage rating	<b>335</b> Veff Maxi						
Dielectric withstanding voltage	<b>1000</b> Veff mini						
Insulation resistance	<b>1000</b> MΩ mini						

**SPECIFICATION**

Stripping	a	b	c	d	e	f
mm	2.00	5.00	9.00	7.00	0.00	0.00

Assembly instruction : page 4

Recommended cable(s)  
 RG 174  
 KX 3B  
 RG 188  
 KX 22A  
 RG 316

Cable retention  
 - pull off **120** N mini  
 - torque N.cm

**MECHANICAL CHARACTERISTICS**

Centre contact retention	
Axial force – Mating end	<b>10</b> N mini
Axial force – Opposite end	<b>10</b> N mini
Torque	N.cm mini
Recommended torque	
Mating	N.cm
Panel nut	N.cm
Clamp nut	N.cm
A/F clamp nut	<b>0.000</b> mm
Mating life	<b>100</b> Cycles mini
Weight	<b>2.693</b> g

**TOOLING**

Part Number	Description	Hexagon
R282.235.003	CRIMPING DIES	M22520/5-03
R282.211.000	CRIMPING TOOL	3.25
R282.293.000	CRIMPING TOOL	M22520/5-01

**OTHERS CHARACTERISTICS**

Housing locking strength 80 N mini  
 Sealing protection NA

**ENVIRONMENTAL**

Operating temperature	<b>-40/+110</b> °C
Leakage – pressurised only	Atm.cm3/s
Hermetic seal	Mpa



Issue : A0035

Design changes may be in order to improve the product.

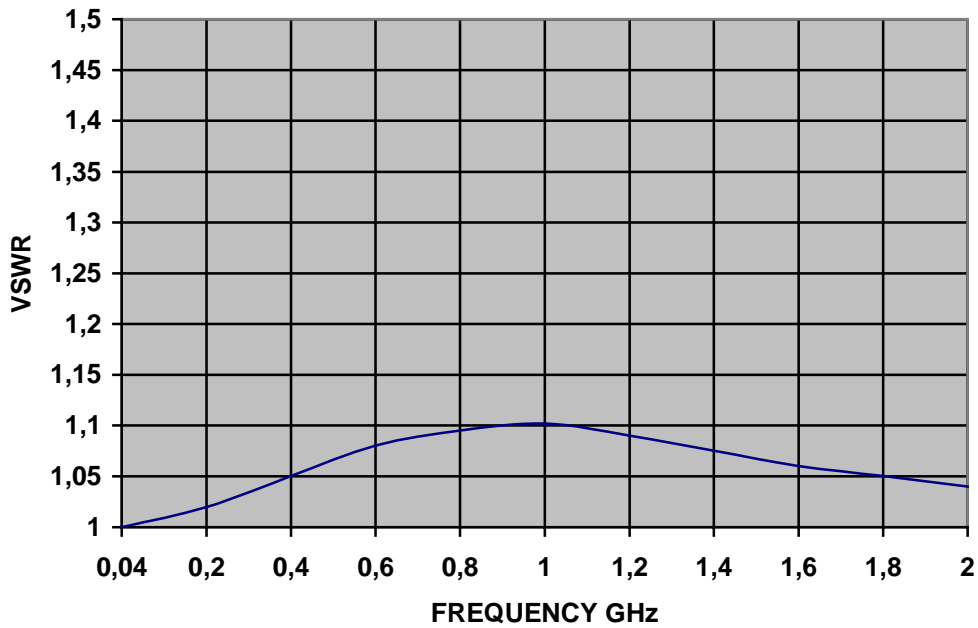
**R/A COAX PLUG+HOUSING**

**R197.120.Z00**

**CABLE 2.6/50**

Series : **CARLOCK**

**VSWR**



Issue : A0035

Design changes may be in order to improve the product.

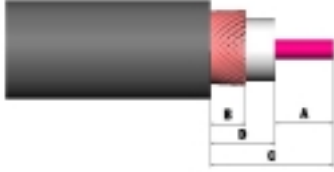
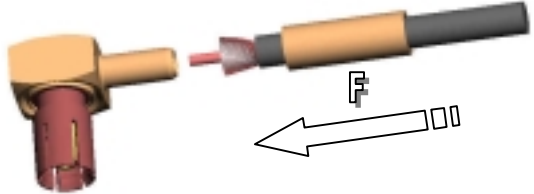
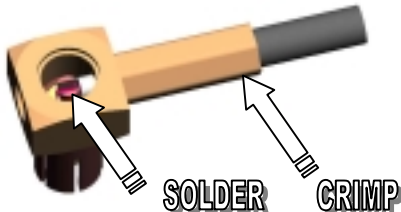

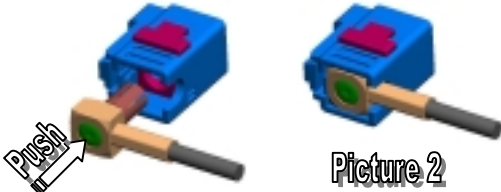
R/A COAX PLUG+HOUSING

R197.120.Z00

CABLE 2.6/50

Series : CARLOCK

**RECOMMENDED MOUNTING PROCEDURE**

<p><b>1</b></p> <ul style="list-style-type: none"> <li>• Slide onto the cable the ferrule</li> <li>• Strip the cable</li> </ul>	
<p><b>2</b></p> <ul style="list-style-type: none"> <li>• Fan the braid</li> <li>• Push connector body under the braid</li> <li>• Slide the ferrule on the braid ( in direction F )</li> </ul>	
<p><b>3</b></p> <ul style="list-style-type: none"> <li>• Crimp the ferrule with crimping tool R282.211.000 (Hex:3.25) or crimping tool R282.293.000 (M22520/5-01) + dies R282.235.003 (M22520/5-03)</li> <li>• Solder inner conductor</li> </ul>	
<p><b>4</b></p> <ul style="list-style-type: none"> <li>• Place the cap</li> <li>• Press cap flush or slightly below surface of body assembly</li> </ul>	
<p><b>5</b></p> <ul style="list-style-type: none"> <li>• Push the coax in the housing till it snap on ( according to picture 2 )</li> </ul>	
<p><b>6</b></p> <ul style="list-style-type: none"> <li>• To secure the coax inside the housing , push the secondary lock in final position ( until it click on )</li> </ul>	