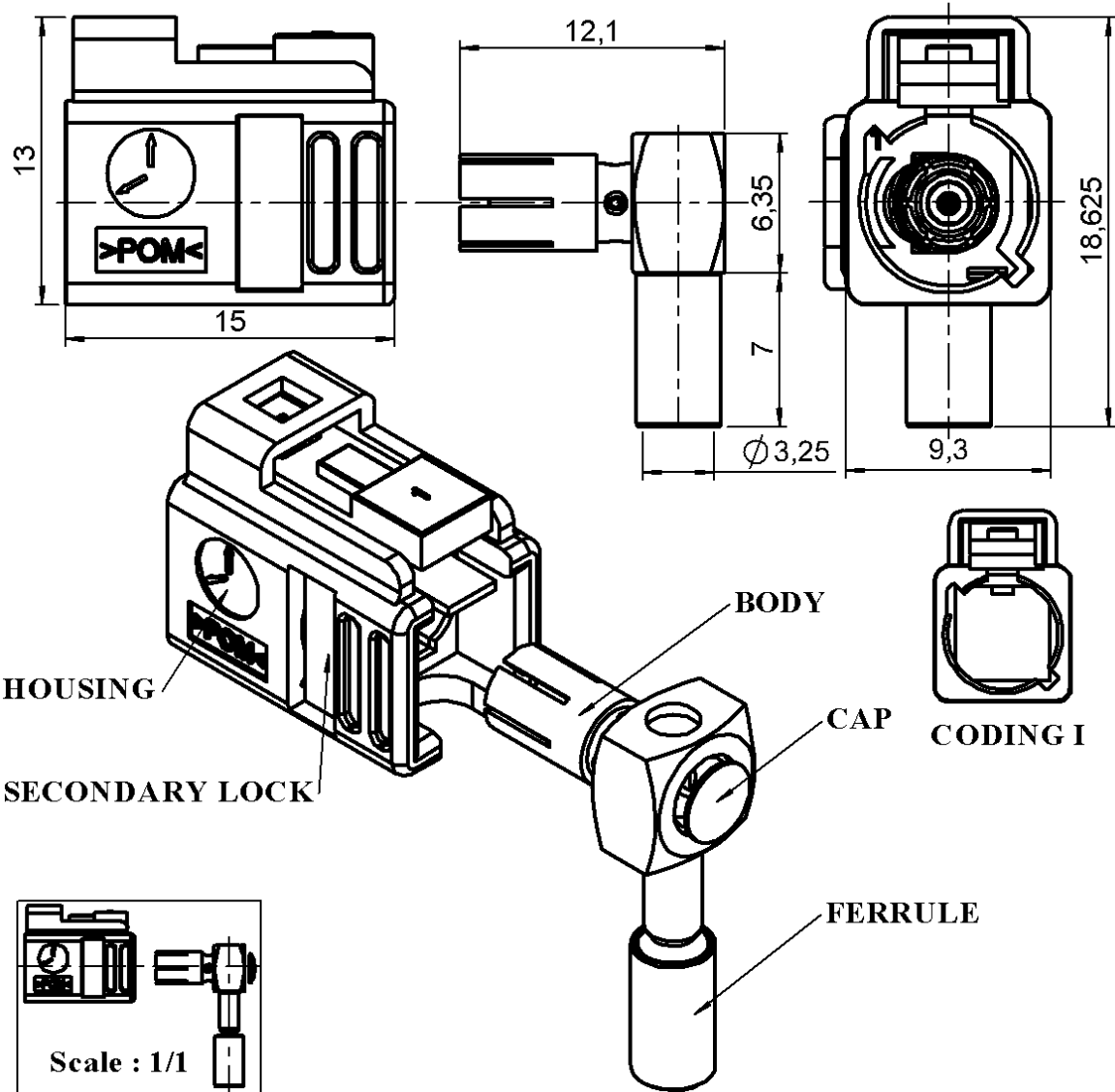


**R/A COAX PLUG+HOUSING**

**R197.120.I00**

**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</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>BEIGE RAL1001</b> <b>PURPLE RAL4003</b>
		*According to FAKRA specifications	



Issue : A0035

Design changes may be in order to improve the product.

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**ELECTRICAL CHARACTERISTICS**

Impedance **50 Ω**  
 Frequency range **0-2 GHz**

Frequency	<b>1GHz</b>	<b>2GHz</b>
VSWR	<b>1.1</b>	<b>1.040</b>

Insertion loss **0.25** √F(GHz) dB  
 RF leakage - ( - F(GHz)) dB mini  
 Voltage rating **335** Veff Maxi  
 Dielectric withstanding voltage **1000** Veff mini  
 Insulation resistance **1000** 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  
 RG188  
 KX 22A  
 RG 316

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

**MECHANICAL CHARACTERISTICS**

Centre contact retention  
 Axial force – Mating end **10** N mini  
 Axial force – Opposite end **10** N mini  
 Torque N.cm mini

Recommended torque  
 Mating N.cm  
 Panel nut N.cm  
 Clamp nut N.cm  
 A/F clamp nut **0.000** mm

Mating life **100** Cycles mini  
 Weight **2.666** 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 80N mini.  
 Sealing protection NA

**ENVIRONMENTAL**

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



Issue : A0035

Design changes may be in order to improve the product.

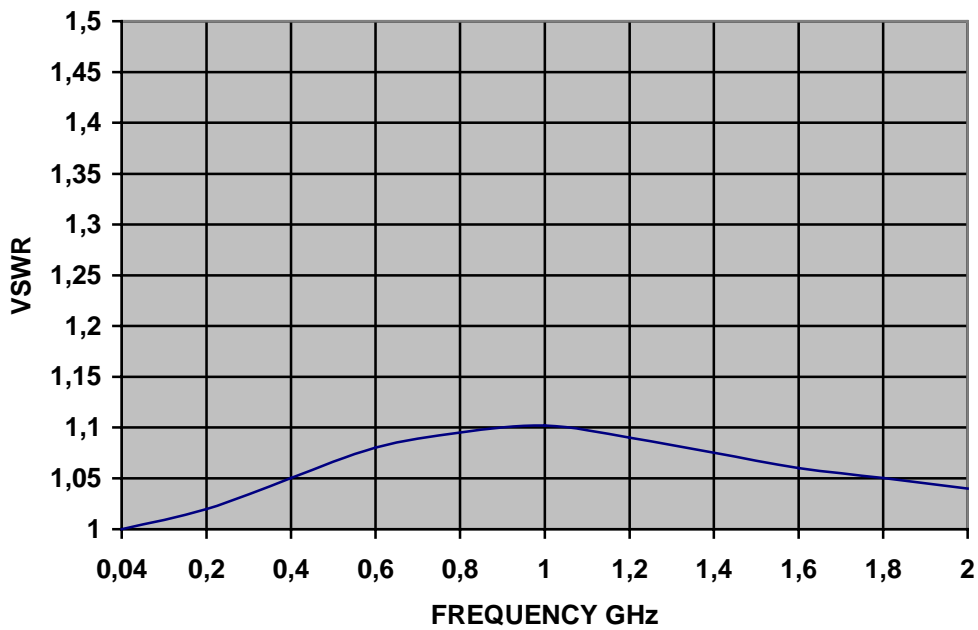
**R/A COAX PLUG+HOUSING**

**R197.120.I00**

**CABLE 2.6/50**

Series : **CARLOCK**

**VSWR**



Issue : A0035

Design changes may be in order to improve the product.

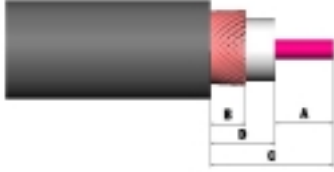
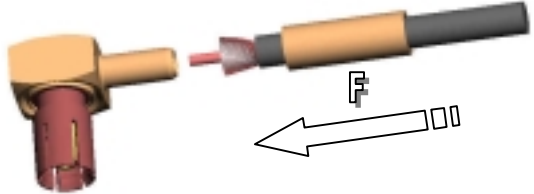
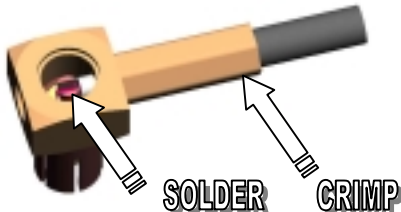

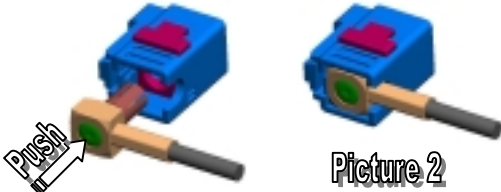
**R/A COAX PLUG+HOUSING**

**R197.120.I00**

**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>	