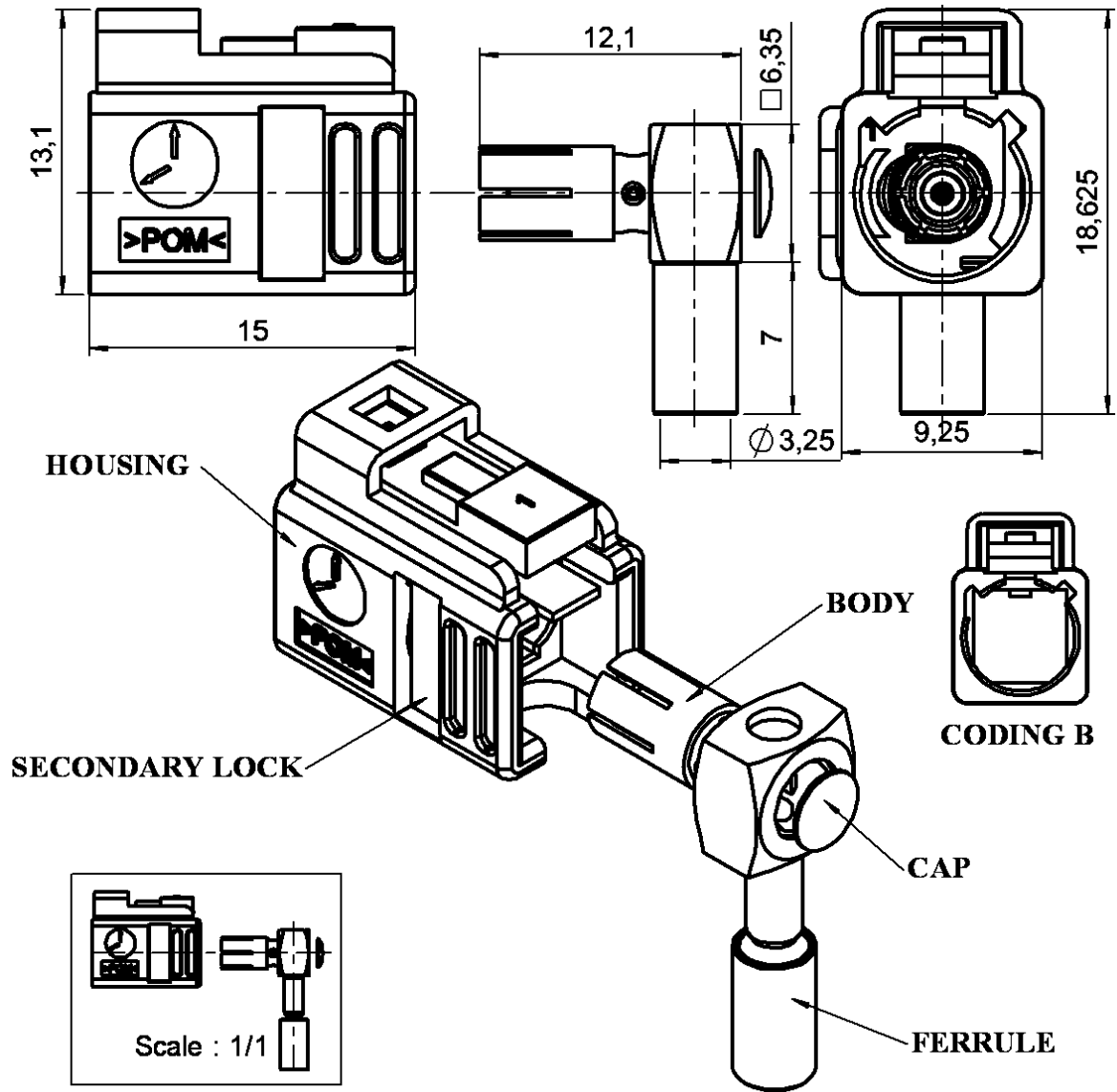


R/A COAX PLUG+HOUSING

R197.120.B00

CABLE 2.6/50

Series : CARLOCK



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATINGS (µm)	
BODY	BRASS	NICKEL	
CENTER CONTACT	BRONZE	GOLD OVER NICKEL	
OUTER CONTACT	BRONZE	NICKEL	
INSULATOR	PTFE	-	
GASKET	-	-	
OTHERS PARTS	BRASS	NICKEL	
-	-	-	
HOUSING	Polyoxyméthylène(POM)	UL CLASSIFICATION	COLOR
Secondary Lock	Polyoxyméthylène (POM)	UL 94 V-2	WHITE RAL9003
		UL 94V-2	PURPLE RAL4006

*According to FAKRA specifications

Issue : 0106 B

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R/A COAX PLUG+HOUSING

R197.120.B00

CABLE 2.6/50

Series : **CARLOCK**

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

SPECIFICATION

- A 00

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency range	0-2	GHz
	Frequency	1GHz 2GHz
	VSWR	1.1 1.0
Insertion loss	0.25	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	- (- F(GHz)) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	1000	Veff mini
Insulation resistance		M Ω mini

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	2.0	5.0	9.0	7.0	0.0	0.0

Assembly instruction : **page 4 and 5**

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

Center 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	0.0	mm
Mating life	100	Cycles mini
Weight	3.7	g

TOOLING

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

ENVIRONMENTAL

Operating temperature	-40/+110	$^{\circ}$ C
Hermetic seal		Atm.cm3/s
Panel leakage		

OTHERS CHARACTERISTICS

Sealing Protection NA
 Housing locking strength 80N mini

Issue : **0106 B**

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PRELIMINARY

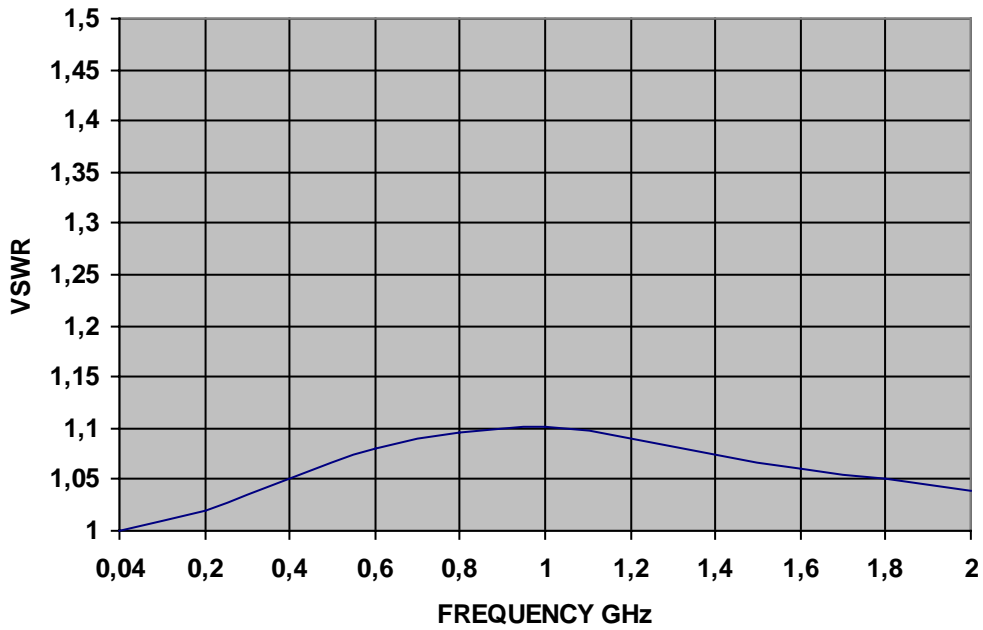
R/A COAX PLUG+HOUSING

R197.120.B00

CABLE 2.6/50

Series : CARLOCK

VSWR



Issue : 0106 B

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PRELIMINARY

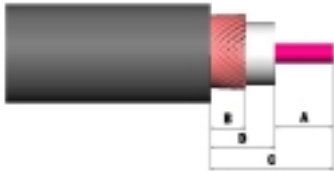
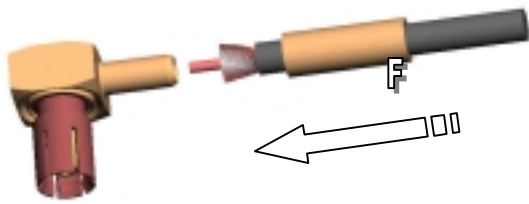
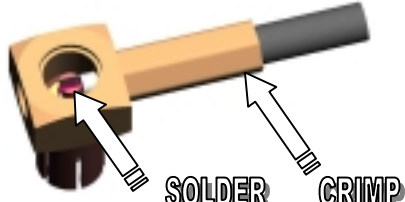

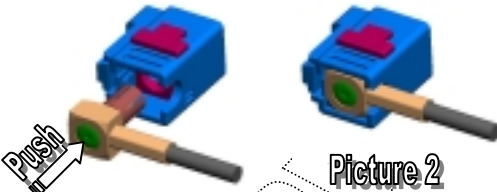
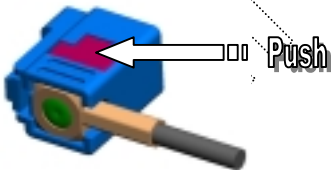
R/A COAX PLUG+HOUSING

R197.120.B00

CABLE 2.6/50

Series : CARLOCK

RECOMMENDED MOUNTING PROCEDURE

<ul style="list-style-type: none"> • Slide onto the cable the ferrule • Strip the cable 	
<p>2</p> <ul style="list-style-type: none"> • Fan the braid • Push connector body under the braid • Slide the ferrule on the braid (in direction F) 	
<p>3</p> <ul style="list-style-type: none"> • 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) • Solder inner conductor 	
<p>4</p> <ul style="list-style-type: none"> • Place the cap • Press cap flush or slightly below surface of body assembly 	
<p>5</p> <ul style="list-style-type: none"> • Push the coax in the housing till it snap on (according to picture 2) 	
<p>6</p> <ul style="list-style-type: none"> • To secure the coax inside the housing , push the secondary lock in final position (until it click on) 	

Issue : 0106 B

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PRELIMINARY