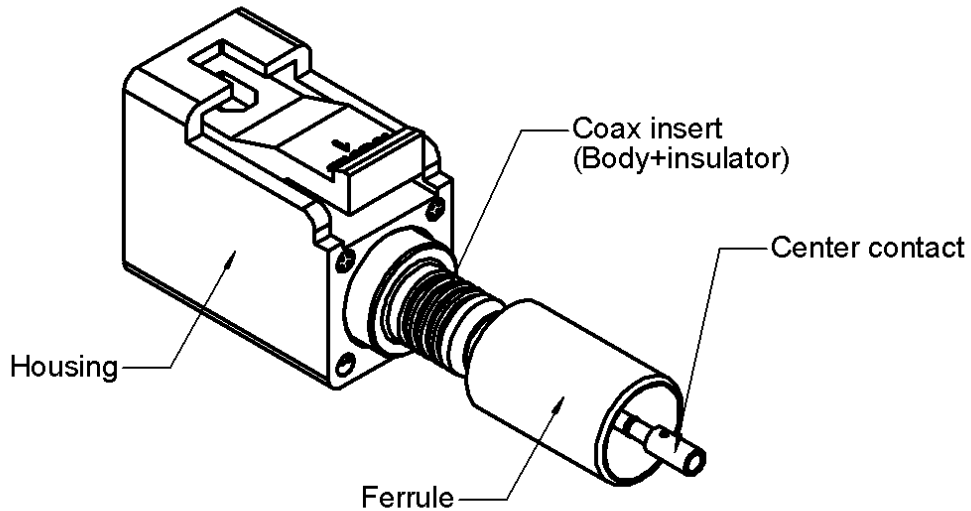
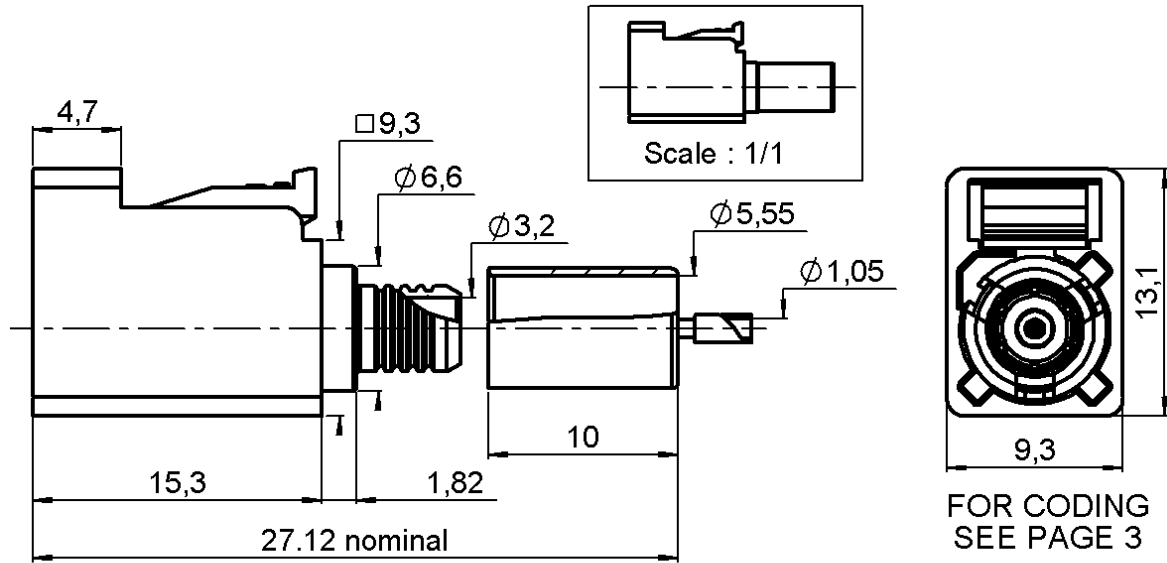


HOUSING + STRAIGHT FEMALE PLUG

CRIMP TYPE 5/50S CABLE PACK500

R197.114._01

Series : **SMB**
CARLOCK



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	BRONZE	NICKEL 2
CENTER CONTACT	BRONZE	GOLD 0.8 OVER NICKEL 2
OUTER CONTACT	-	-
INSULATOR	PTFE	
GASKET	-	
OTHERS PARTS	BRASS	NICKEL 2
HOUSING	PA6.6 GF13 (POLYAMIDE)	UL CLASSIFICATION COLOR
		UL 94 V-2 SEE PAGE 3

Issue : 0546 A

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



HOUSING + STRAIGHT FEMALE PLUG

CRIMP TYPE 5/50S CABLE PACK500

R197.114._01

Series : **SMB**
CARLOCK

PACKAGING

Standard	Unit	Other
500	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-4	GHz
VSWR	1.20** + 0,0000	x F(GHz) Maxi
Insertion loss	0.05	\sqrt{F} (GHz) dB Maxi
RF leakage	-45	- F(GHz)) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	1000	Veff mini
Insulation resistance	1000	M Ω mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	10	N mini
Axial force – Opposite end	10	N mini
Torque	NA	N.cm mini
Recommended torque		
Mating	NA	N.cm
Panel nut	NA	N.cm
Clamp nut	NA	N.cm
A/F clamp nut	0,0000	mm
Mating life	100	Cycles mini
Weight	3,4800	g

ENVIRONMENTAL

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

SPECIFICATION

SAE/USCAR-17 Rev.1 (October 2002)
SAE/USCAR-2 Rev.3 (February 2001)
SAE/USCAR-18 Rev.2 (January 2003)

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	2,40	5,50	9,40	0,00	7,00	0,00

Assembly instruction : **Page 4**

Recommended cable(s)
RG 58

Cable retention
- pull off **110** N mini
- torque **NA** N.cm

TOOLING

Part Number	Description	Hexagon
.	.	.
R282.293.000	CRIMPING TOOL	
R282.235.910	CRIMPING DIES	Square 1.1
R282.235.011	CRIMPING DIES	Hex 5.41
R282.281.000	CRIMPING TOOL	2x4pts 7pos
R282.967.034	POSITIONER FOR TOOL R282 281	

OTHERS CHARACTERISTICS

* Depends on the cable used
** VSWR : 1.20 maxi at 4GHz

Issue : **0546 A**

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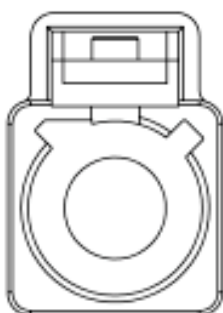


HOUSING + STRAIGHT FEMALE PLUG

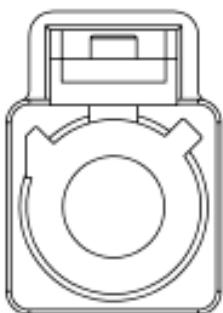
CRIMP TYPE 5/50S CABLE PACK500

R197.114._01

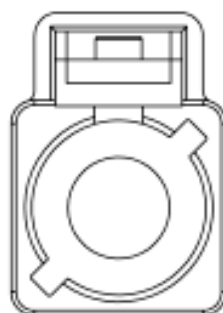
Series : SMB
CARLOCK



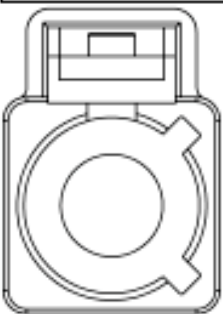
CODING A
COLOR BLACK
RAL 9005



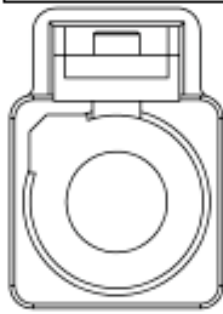
CODING B
COLOR CREAM WHITE
RAL 9001



CODING C
COLOR BLUE
RAL 5005



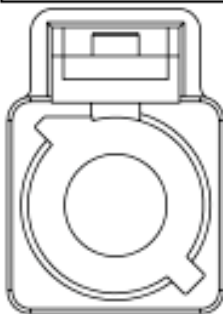
CODING D
COLOR BORDEAUX
VIOLET
RAL 4004



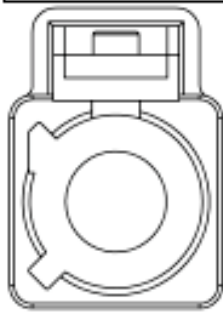
CODING E
COLOR GREEN
RAL 6002



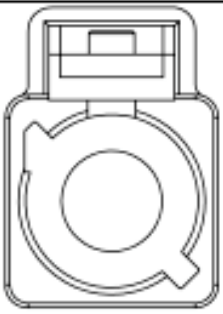
CODING F
COLOR BROWN
RAL 8011



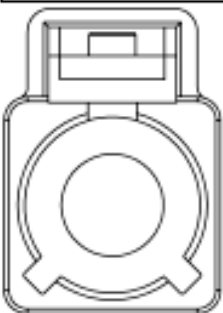
CODING G
COLOR GREY
RAL 7031



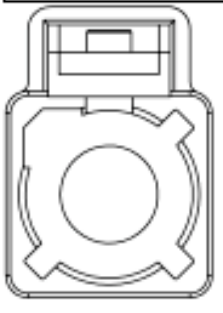
CODING H
COLOR VIOLET
RAL 4003



CODING I
COLOR BEIGE
RAL 1001



CODING K
COLOR CURRY
RAL 1027



CODING Z
COLOR WATER BLUE
RAL 5021

UL CLASSIFICATION
UL 94V-2

**According to FAKRA specifications*

Issue : 0546 A

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HOUSING + STRAIGHT FEMALE PLUG

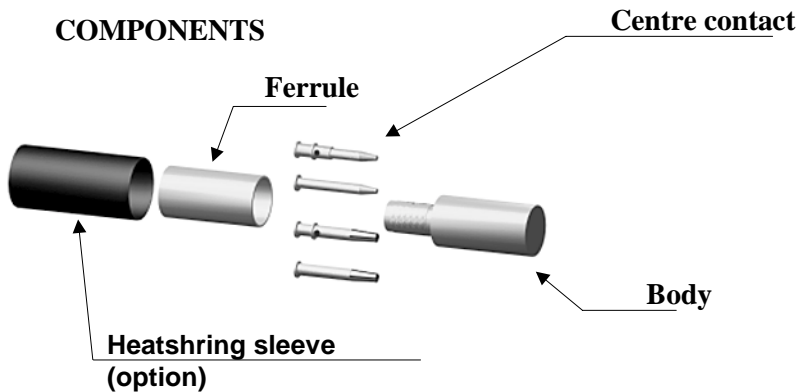
CRIMP TYPE 5/50S CABLE PACK500

R197.114._01

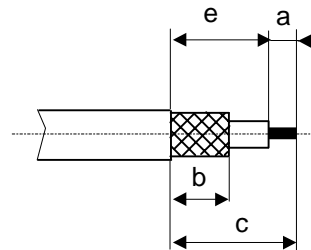
Series : **SMB**
CARLOCK

Recommended mounting procedure for RG58 cable

COMPONENTS



STRIPPING DIMENSIONS



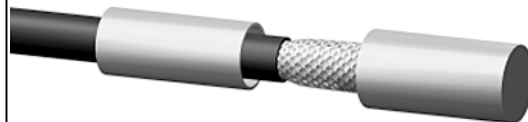
1

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



4

Slide the cable into the body until it bottoms against insulator.



2

Slide the centre contact on until it bottoms against the cable dielectric.
Crimp the centre contact with crimping tool R282.235.910 (square 1.1) or with crimping tool R282.281.000 (7 position 2x4pts) + positioner R282.967.034.



5

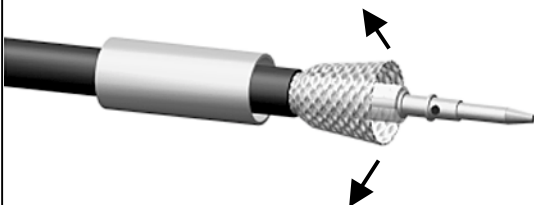
Slide the ferrule over the braid.
Crimp the ferrule with crimping tool R282.235.011 (Hex 5.41).

After crimping



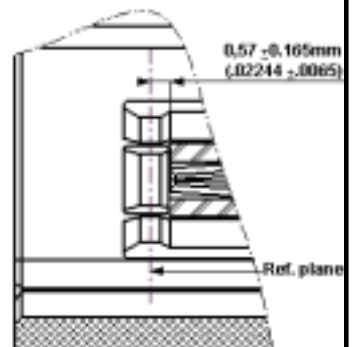
3

Fan the braid.



6

Check the position of the centre contact between the top of the center contact and the SMB
ref. plane : **0.57 ±0.165**.



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