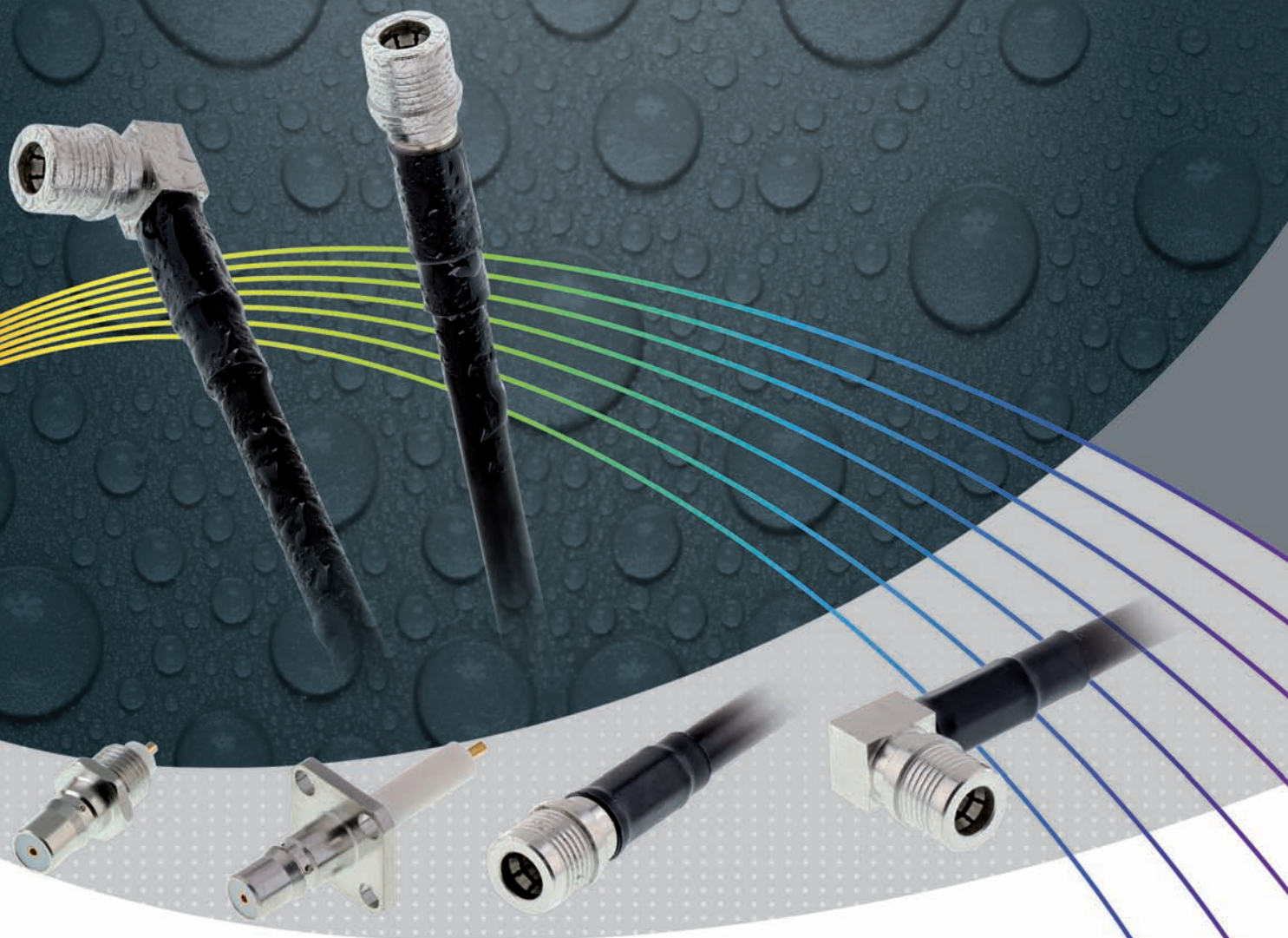


STANDARD COAXIAL CONNECTORS



WQMA series
Waterproof QMA

RADIAL 
The next conneXion

INTRODUCTION

GENERAL

- Standard coaxial connectors
- Snap-on Quick Lock coupling
- Compliant to CECC and IEC standards
- IP68 Waterproof (mated condition)
- 50 Ω

APPLICATIONS

- Broadcast
- RF components (filters, amplifiers,)
- Antennas
- Wireless communications

ELECTRICAL AND MECHANICAL CHARACTERISTICS

Impedance	50 Ω
Frequency	DC - 6 GHz
VSWR	1.02 + 0.0200*F (GHz) Max
Center contact captivation	Yes
Working temperature range	- 40°C / + 105°C
Mating cycles	100

MATERIAL and PLATING

Piece parts	Material	Plating
Connector body	Brass	BBR* / NPGR** / Gold over Copper
Male center contact	Brass	NPGR**
Female center contact	Beryllium copper	NPGR** / Gold over Copper
Outer contact and other metallic parts	Brass	BBR*
Gasket	Silicone	NA
Insulator	PTFE	NA

STRAIGHT PLUGS

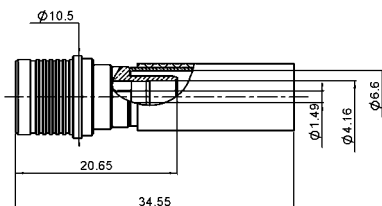


Fig. 1

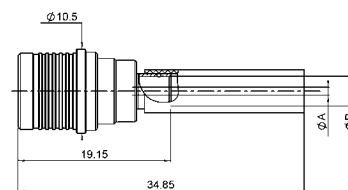


Fig. 2

Cable designation	Cable group	Part number	Fig.	Dimensions		Finish	Ingress protection	Note
				A	B			
ECO 230	6/50D	R123W 096 100	1	-	-	BBR	IP68	Crimp type
.085"	hand formable / semi-rigid	R123W 054 000	2	0.6	2.275	BBR	IP68	Solder type
.141"	hand formable / semi-rigid	R123W 055 000	2	1.0	3.70	BBR	IP68	Solder type

*BBR = Bright Bronze Radiall

**NPGR = Nickel Phosphorous Gold Radiall

Packaging 100 pieces. For unit packaging, add «W» after the P/N

For detailed specification, please refer to the corresponding data sheet at www.radiall.com

PLUGS AND RECEPTACLES

RIGHT ANGLE PLUGS

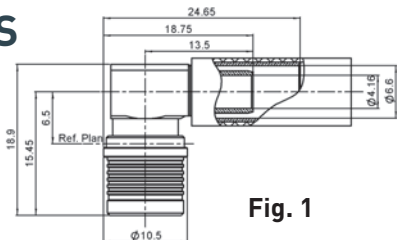


Fig. 1

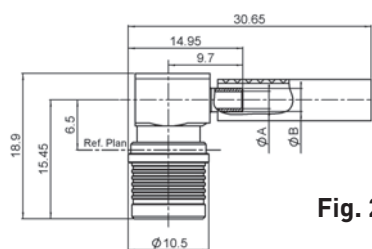
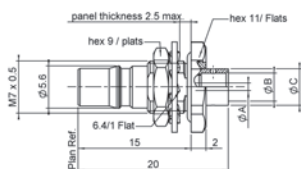
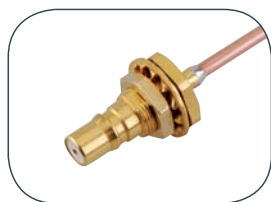


Fig. 2

For assembling, tool **R282 761 000** is recommended

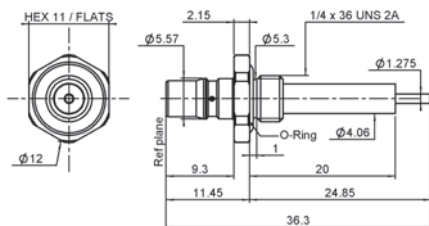
Cable designation	Cable group	Part number	Fig.	Dimensions		Finish	Ingress protection	Note
				A	B			
ECO 230	6/50D	R123W 176 000	1	-	-	BBR	IP68	Crimp type
.085"	hand formable / semi-rigid	R123W 153 000	2	2.275	3.05	BBR	IP68	Solder type
.141"	hand formable / semi-rigid	R123W 154 000	2	3.70	4.40	BBR	IP68	Solder type

STRAIGHT BULKHEAD JACKS SOLDER TYPE FOR SEMI-RIGID CABLES (Panel seal)



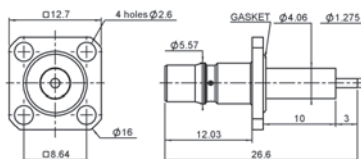
Cable designation	Part number	Dimensions			Finish	Ingress protection
		A	B	C		
.085"	R123 326 003	0.60	2.275	3.05	Gold	IP67
.141"	R123 305 023	1.00	3.70	4.80	Gold	IP67

FRONT MOUNT SCREW ON RECEPTACLE (Panel seal)



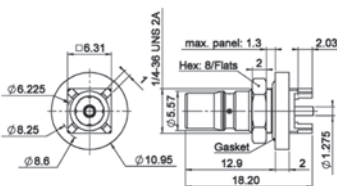
Part number	Finish	Ingress protection
R123 555 080	BBR	IP67

STRAIGHT SQUARE FLANGE RECEPTACLE (Panel seal)



Part number	Finish	Ingress protection
R123 425 100	BBR	IP67

STRAIGHT PCB RECEPTACLE (Panel seal)



Part number	Finish	Ingress protection
R123 426 067	NPGR	IP66

Packaging 100 pieces. For unit packaging, add "W" after the P/N.
For detailed specification, please refer to the corresponding data sheet at www.radiall.com.



AERONAUTICS



AUTOMOTIVE



DEFENSE



INDUSTRIAL



INSTRUMENTATION



MEDICAL



SPACE



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