



All dimensions are in inches [mm]

Interface

According to

Rosenberger WSMP™ Interface standards

Material and plating

Connector parts

	Material
Body	CuBe per ASTM B196
Contact	CuBe per ASTM B196
Dielectric	PTFE
Cable Step	Ultem® 1000

Plating

Hard gold per ASTM B488, Type 1, Code C, 50-150µIN [1,27-3,81 µm], over Nickel underplate per SAE-AMS-QQ-N-290, Class 1, Condition SD, 50-150µIN [1,27-3,81 µm], over Copper strike
 Hard gold per ASTM B488, Type 1, Code C, 50-150µIN [1,27-3,81 µm], over Nickel underplate per SAE-AMS-QQ-N-290, Class 1, Condition SD, 50-150µIN [1,27-3,81 µm], over Copper strike

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RF_35/05.10/6.0

Electrical data

Impedance	50 Ω
Frequency	DC to 100 GHz
Return loss (typical)	≥ 26 dB, DC to 26.5 GHz ≥ 19 dB, 26.5 to 65 GHz
Insertion loss	≤ 0.12 x √f(GHz) dB
Insulation resistance	≥ 3.5 x10 ³ MΩ
Center contact resistance	≤ 2.0 mΩ
Outer contact resistance	≤ 6.0 mΩ
Test voltage (at sea level)	250 V rms
RF High Potential (at sea level)	150 V rms @ 5 MHz
RF-leakage	≥ -80 dB (typical mated pair)

Mechanical data

Mating cycles	
- Full Detent mating plug	≥ 100
- Smooth Bore mating plug	≥ 500
Engagement force (typical)	
- Full Detent	11 N [2.5 lb _f]
- Smooth Bore	5.3 N [1.2 lb _f]
Disengagement force (typical)	
- Full Detent	20 N [4.5 lb _f]
- Smooth Bore	4.5 N [1.0 lb _f]

Environmental data

Temperature range	-55° to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106, except Step 7B
2002/95/EC (RoHS)	compliant

Tooling

Extraction tool	W1W001-000
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Suitable cables

UT047-TP, RTK 047, RTK FLEX 047

Packing

Standard	100 pcs in a bag
Weight	.0001664 lb. [0,0755 g] / pc

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Jac Havener	6/22/2011	Paul Czikora	6/22/2011	a00	13-s000	Paul Czikora	5/3/2013

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