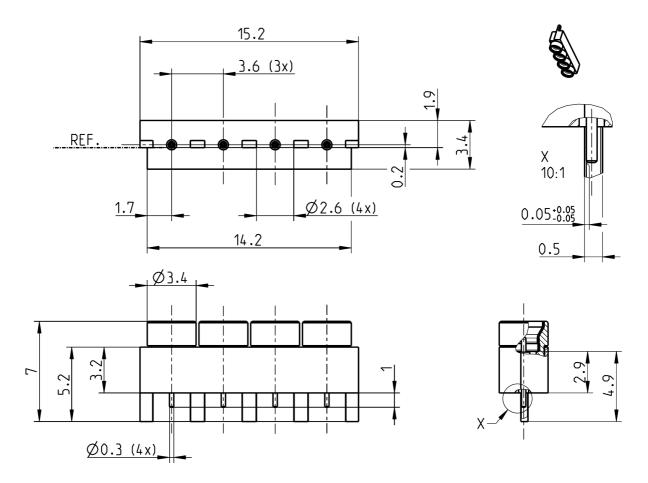
TECHNICAL DATA SHEET

Rosenberger

Mini SMP

RIGHT ANGLE PLUG PCB FULL DETENT

18S20H-40ML5



All dimensions are in mm; tolerances acc. ISO 2768 m-K

Interface

According to

MIL-STD-348

Mateable with GPPOTM (Gilbert Engineering Co., Inc.) and SSMPTM (Connectors Devices, Inc.)

Documents

PCB layout

B 339G

Material and plating

Connector parts

Center contact Outer contact Dielectric Material

CuBe Brass PEEK **Plating**

AuroDur®, gold plated AuroDur®, gold plated

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RIGHT ANGLE PLUG PCB FULL DETENT

18S20H-40ML5

Electrical data

Impedance 50 Ω

Frequency DC to 65 GHz

Return loss \geq 35 dB, DC to 15 GHz

 \geq 23 dB, 15 to 25 GHz \geq 20 dB, 25 to 40 GHz

Insertion loss $\leq 0.1 \text{ x } \sqrt{\text{f(GHz)}} \text{ dB}$

- VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles

if mating part is full detent ≥ 10

Center contact captivation \geq 7 N (from interface side)

Engagement force

- full detent 19 N typical

Disengagement force

- full detent 29 N typical

Environmental data

Temperature range -55°C to +155°C

Thermal shock MIL-STD-202, Method 107, Condition B Vibration MIL-STD-202, Method 204, Condition A Shock MIL-STD-202, Method 213, Condition A

Moisture resistance MIL-STD-202, Method 106 Climatic Category IEC 60068 55/155/21

Max. soldering temperature IEC 61760-1, +260°C for 10 sec.

RoHS compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 1.3 g/pce.

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
Gramsamer Josef	23/08/07	B_Aicher	08.12.15		e00	15-1674	C_Schmidinger	08.12.15
						T 40.0504 40.0		

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