



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

Interface

According to

MIL-STD-348A, Fig. 328
 Mateable with GPPO™ (Gilbert Engineering Co., Inc.)
 and SSMP™ (Connectors Devices, Inc.)

Documents

Assembly instruction

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Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Crimping ferrule

Material

- Beryllium copper
- Beryllium copper
- Brass
- PTFE
- Copper

Plating

- Gold, min. 0.8 µm, over chemical nickel
- Gold, min. 0.8 µm, over chemical nickel
- Gold, min. 0.15 µm, over chemical nickel
- Gold, min. 0.15 µm, over chemical nickel

Electrical data

Impedance	50 Ω
Frequency	DC to 65 GHz
Return loss	≥ 20 dB, DC to 4 GHz ≥ 15 dB, 4 to 10 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 4 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Working voltage (at sea level)	325 V rms
(at 70000 feet)	125 V rms

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	
if mating part is smooth bore	≥ 500
if mating part is full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- smooth bore	11 N max.
- full detent	19 N max.
Disengagement force	
- smooth bore	11 N max.
- full detent	29 N max.

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

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-101

Suitable cables

RG 196 A/U, RG 178 A/U

Packing

Standard	100 pcs in clap-pac
Weight	0.2 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
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