

GPO Male PCB Mount

Straight to PCB, Limited Detent, 0.200 Square

CORNING



Part Number: A008-L14-03

Specifications

| General Specifications | |
|----------------------------|---|
| Category | PCB Mounts |
| Impedance | 50 Ω |
| Frequency Range | DC to 40 GHz typ. |
| Materials, Bodies | Beryllium Copper per ASTM B196 and or/ASTM B197 |
| Materials, Outer Contacts | Beryllium Copper per ASTM B196 and or/ASTM B197 |
| Materials, Center Contacts | Beryllium Copper per ASTM B196 and or/ASTM B197 |
| Materials, Insulators | PTFE Fluorocarbon per ASTM D1710 |
| Materials, Springs | 17-7 Stainless Steel per ASTM A313-95A |
| Finish, Bodies | Gold plated per MIL-G-45204, Type I, Grade C, Class 1, Over Nickel Plate per SAE AMS-QQ-N-290 |
| Finish, Contacts | Gold plated per MIL-G-45204, Type I, Grade C, Class 1, Over Nickel Plate per SAE AMS-QQ-N-290 |

| Temperature Range | |
|-------------------|------------------|
| Installation | -65 °C to 165 °C |

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Design - Hardware

| | |
|--------------|----------|
| Dentent Type | LD |
| Length | 0.182 in |
| Width | 0.200 in |
| Leg Length | 0.100 in |
| Diameter B | 0.015 in |

Mechanical Characteristics

| | |
|--------------------------------|---|
| Mate / Demate Cycles FD | 100 min |
| Mate / Demate Cycles LD | 500 min |
| Mate / Demate Cycles SB | 1,000 min |
| Force to Engage / Disengage FD | 7.0 lbs. typ. / 9.0 lbs. typical |
| Force to Engage / Disengage LD | 5.0 lbs. typ. / 7.0 lbs. typ. |
| Force to Engage / Disengage SB | 3.0 lbs. typ. / 0.5 lbs. typ. |
| Tolerated Misalignment Axial | 0.010 (flush to 0.010 from reference plane) |
| Tolerated Misalignment Radial | + / - 0.010 |

Electrical characteristics (at 20°C)

| | |
|--------------------------------------|------------------|
| Insertion Loss | 0.04 vf GHz |
| DWV at Sea Level | 500 Vrms voltage |
| Insulation Resistance | ≥ 5000 MΩ |
| Contact Resistance - Outer Conductor | < 2 mΩ |
| Contact Resistance - Inner Conductor | < 6 mΩ |
| VSWR | 1.30:1 to 20 GHz |

Environmental Influences

| | |
|---------------------|---|
| Thermal Shock | MIL-STD-202, Method 107, Condition B |
| Salt Spray | MIL-STD-202, Method 101 |
| Vibration | MIL-STD-202, Method 204 |
| Shock | MIL-STD-202, Method 213, Condition I |
| Moisture Resistance | MIL-STD-202, Method 106, except Step 7B |

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Ordering Information

| | |
|---------------------|---|
| Part Number | A008-L14-03 |
| Product Description | GPO Male PCB Mount, Straight to PCB, Limited Detent, 0.200 Square |
| EAN Code | 4056418762999 |



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