### Series GMV

**Micro-D Metal Shell, Vertical Board Mount, Condensed, Grounding**

<table>
<thead>
<tr>
<th>No. of Contacts</th>
<th>A (BSC)</th>
<th>B (BSC)</th>
<th>C (BSC)</th>
<th>D (BSC)</th>
<th>E (BSC)</th>
<th>F (BSC)</th>
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<td>.718</td>
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<td>.715</td>
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<td>1.515</td>
<td>.480</td>
<td>1.670</td>
<td>1.190</td>
<td>.420</td>
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</table>

**Termination Length**

- See P/N Breakdown
- 4X .020
- .413
- .030 TYP
- 2X #2-56 Jackposts (Optional)
- 2X #2-56 Threaded Inserts (Optional)

**Socket #1 Receptacle**

**Plug #1 Plug**

**Rationale**

- Tolerance: .XXX ±.005
- XX ±.01
- Angle ±1°

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### Specifications:

- **Current Rating**: 3 Amps Max
- **Temperature Rating**: -55°C to +125°C
- **Insulation Resistance**: 5000 Megohms Min
- **DWV at Sea Level**: 600 VAC
- **DWV at 70,000 Ft Altitude**: 150 VAC
- **Contact Resistance**: 24 AWG = 25 MilliOhms Max
- **Contact Retention**: 5 lb minimum axial load
- **Engagement Force**: 6 oz Max
- **Separation Force**: 0.5 oz Min

### Additional Information:

- Design and performance in general accordance with M83513 where applicable.
- Contact Cristek for RoHS and other configurations.

### Materials and Finishes:

- **Shell**: Various options as stated in Options Above
- **Insulator/Backshell**: Glass filled thermoplastic
- **Ground Pins**: Brass
- **Interfacial Seal**: Fluorosilicone blend
- **Hardware**: Stainless steel
- **Finishes**: Various options as stated in Options Above

### Terminations:

- **3.378 ± .015**
- **3.400 ± .015**
- **3.475 ± .015**
- **3.500 ± .015**
- **3.535 ± .015**
- **All 24 AWG (.020 Dia)**
- **Hot Solder Dipped**

### EMI Springs (Plug Only):

- Omit if not used

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**GMV - X XXX - X X - EMI**

**Gender**

1 = Receptacle, socket contacts
2 = Plug, pin contacts

**Number of Contacts**

009 025 051
015 031 069
021 037

**Hardware**

Flange Mnt. Holes/Board Mnt Mnt Holes

0 = Ø .094 Hole Thru
1 = 2-56 Jackpost / Ø .094
2 = 2-56 Jackpost / 2-56 Insert
3 = 2-56 Insert / 2-56 Insert

**Shell Finish**

- Aluminum
- Cadmium (A)
- Nickel (B)
- Gold (G)
- Stainless Steel (P)
- Passivated (P)

**Terminations**

1 = .109 ± .015
2 = .140 ± .015
3 = .172 ± .015
4 = .190 ± .015
5 = .250 ± .015

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**Cristek.com 888.265.9162**
SERIES GMV
MICRO-D METAL SHELL, VERTICAL BOARD MOUNT, CONDENSED, GROUNDING

GMV PLUG PCB LAYOUTS
.075 X .075 GRID PATTERN OFFSET BY .0375