**SERIES GMR**

**MICRO-D METAL SHELL, RIGHT ANGLE BOARD MOUNT, CONDENSED, GROUNDING**

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**GMR—X XXX—X X X—EMI**

METAL MICRO-D RIGHT ANGLE BOARD MOUNT CONDENSED GROUNDING

<table>
<thead>
<tr>
<th>GENDER</th>
<th>1 = RECEPTACLE, SOCKET CONTACTS</th>
<th>2 = PLUG, PIN CONTACTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUMBER OF CONTACTS</td>
<td>009 025 051</td>
<td>015 031 069</td>
</tr>
<tr>
<td>HARDWARE FLANGE MTN. HOLES</td>
<td>0 = Ø.094 HOLE THRU</td>
<td>1 = 2-56 JACKPOST</td>
</tr>
<tr>
<td>SHELL FINISH</td>
<td>ALUMINUM</td>
<td>A = CADMIUM</td>
</tr>
<tr>
<td>HARDWARE</td>
<td>PASSIVATED ALL 24 AWG (.020 DIA)</td>
<td>HOT SOLDER DIPPED</td>
</tr>
<tr>
<td>TERMINATIONS</td>
<td>1 = .109 ±.015</td>
<td>2 = .140 ±.015</td>
</tr>
<tr>
<td>EMI SPRINGS (PLUG ONLY)</td>
<td>OMIT IF NOT USED</td>
<td></td>
</tr>
</tbody>
</table>

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1. **MATERIALS:**
   - SHELL - ALUMINUM ALLOY OR STAINLESS STEEL
   - INSULATOR/BACKSHELL - GLASS FILLED THERMOPLASTIC
   - PIN/SOCKET CONTACT - COPPER ALLOY
   - INTERFACIAL SEAL - FLUOROSILICONE BLEND
   - HARDWARE - STAINLESS STEEL

2. **FINISH:**
   - SHELL - SEE OPTIONS ABOVE
   - PIN/SOCKET CONTACT - GOLD OVER NICKEL
   - HARDWARE - PASSIVATED

3. **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 MILLOHMS MAX
   - CONTACT RETENTION ———— 5 lb MINIMUM AXIAL LOAD
   - ENGAGEMENT FORCE ———— 6 oz MAX
   - SEPARATION FORCE ———— 0.5 oz MIN

4. **ADDITIONAL INFORMATION:**
   - DESIGN AND PERFORMANCE IN GENERAL ACCORDANCE WITH MIL-83513 WHERE APPLICABLE.
   - CONTACT CRISTEK FOR RoHS AND OTHER CONFIGURATIONS.

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**MATERIALS AND FINISHES ARE IAW MIL-DTL-83513**
FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

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**CRISTEK.COM 888.265.9162**

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**REV B**
MICRO-D METAL SHELL, RIGHT ANGLE
BOARD MOUNT, CONDENSED, GROUNDING

GMR PLUG PCB LAYOUTS
0.075 X 0.075 GRID PATTERN OFFSET BY 0.0375