SERIES 792
High-Speed Ultraminiature Rectangular Connectors

Size 8 Differential Twinax Contacts


Ordering Information: Size #8 Differential Twinax Contacts

<table>
<thead>
<tr>
<th>Cable Part Number</th>
<th>Wire Size (AWG)</th>
<th>Impedance (ohms)</th>
<th>Pin Contact</th>
<th>Socket Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSC-03-83971-00 (Gore)</td>
<td>24</td>
<td>100</td>
<td>853-076-02F</td>
<td>853-075-02F</td>
</tr>
<tr>
<td>0024A0024 (TE Raychem)</td>
<td>24</td>
<td>100</td>
<td>853-076-04F</td>
<td>853-075-04F</td>
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<tr>
<td>DXN2603 (Gore)</td>
<td>26</td>
<td>100</td>
<td>853-076-09F</td>
<td>853-075-09F</td>
</tr>
<tr>
<td>M17/176-00002</td>
<td>24</td>
<td>77</td>
<td>853-076-05F</td>
<td>853-075-05F</td>
</tr>
</tbody>
</table>

Technical Data

Specifications

- Operating temperature: -65° to +175°C
- Operating frequency 100 ohm versions: DC – 3GHz
- Operating frequency 77 ohm versions: DC – 20MHz
- Dielectric withstanding voltage, inner contact to inner contact: 1000 Vrms
- Dielectric withstand voltage, inner contact to outer body: 500 Vrms
- Insulation resistance: 5000 megohms min.
- Contact resistance, inner contacts: 55 millivolt max. voltage drop @ 1 ampere
- Contact resistance, outer body: 75 millivolt max. voltage drop @ 12A
- Durability: 500 mating cycles

Construction

- Inner contacts, outer body, ferrule: copper alloy, 50 microinches gold over nickel plating
- Insulators: thermoplastic
- Sealing boot: fluorosilicone rubber grommet, glass-filled thermoplastic follower

Crimp Tool for Inner Contacts

Mil Spec Hand Tool

- 809-015 (M22520/2-01)

Positioner for Hand Tool

- 809-240 (M22520/2-37)

Hex Crimp Tool for Outer Body

<table>
<thead>
<tr>
<th>Tool</th>
<th>Hex Die Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>809-129 (M22520/5-01)</td>
<td>859-007 (M22520/5-45)</td>
</tr>
</tbody>
</table>

Sealing Boot

Sealing boots are supplied with contacts. To order contacts without sealing boots, delete the “F” suffix from the part number.