MHC 50Ω aka AMC Micro Coaxial Connectors

**Electrical**
- Impedance: 50Ω
- Frequency Range: DC-6GHz
- VSWR: 1.3 max (DC-3GHz) - 1.4 max (3-6GHz)

**Features and Benefits**
- Snap-on/Snap-off Mating
- Ultra-Low Profile
- Small Foot-print 3mm x 3mm
- 100% Compatible with Hirose U.FL Series
- Temperature: -40°C ~ 90°C
- Durability: 30 Cycles

**Mechanical**
- Cable Assembly Supplied Terminated

**Applications**
- WLAN, Bluetooth, NoteBook PC, GPS, Remote Measuring, and PDA

**Materials**
- Female Body: Aluminum, Brass or Zinc
- Female Finish: Nickel
- Male Body: Spring Copper Alloy
- Male Finish: Gold
- Pin Contact: Beryllium Cooper
- Pin Finish: Gold

**Features and Benefits**
- Float Technology
- In-Line or Dual-row versions available
- Temperature: -65°C ~ 165°C
- Durability: 100 Cycles

**Applications**
- Mil/Aero
- Telecommunications
- Broadband
- CMTS
- Internet
- Switch
- Routers

**AFI 50Ω and 75 Ω Board to Board RF Interface**

Conceived specially for military and broadband applications. The AFI Interface utilizes propriety ‘Float’ technology to compensated axial (1mm) and radial (0.8mm) misalignment.

**Electrical**
- Impedance: 50Ω
- Frequency Range: DC-6GHz
- VSWR: -25dB @ 1GHz
- RF Leakage: -70dB
- Power Handling: 95 Watts

**Materials**
- Female Body: Aluminum, Brass or Zinc
- Female Finish: Nickel
- Male Body: Spring Copper Alloy
- Male Finish: Gold
- Pin Contact: Beryllium Cooper
- Pin Finish: Gold

**Features and Benefits**
- Float Technology
- In-Line or Dual-row versions available
- Temperature: -65°C ~ 165°C
- Durability: 100 Cycles

**Applications**
- Mil/Aero
- Telecommunications
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**Plugs**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>920-123P-71P</td>
<td>75Ω Straight Plug for PCB Card Edge</td>
</tr>
<tr>
<td>920-132P-71P</td>
<td>75Ω Edge Launch PCB w/Bullet Installed</td>
</tr>
<tr>
<td>920-137P-51S</td>
<td>50Ω Straight Plug Receptacle Bulkhead</td>
</tr>
<tr>
<td>920-140P-71A</td>
<td>75Ω Right Angle Plug for PCB</td>
</tr>
<tr>
<td>920-153P-51P</td>
<td>50Ω Edge Launch PCB w/Bullet Installed</td>
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**Receptacles**

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<th>Part Number</th>
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<tbody>
<tr>
<td>920-133J-71P</td>
<td>75Ω Straight Jack for PCB</td>
</tr>
<tr>
<td>920-138J-51S</td>
<td>50Ω Straight Jack Receptacle Bulkhead</td>
</tr>
<tr>
<td>920-152J-71P</td>
<td>75Ω Edge Launch PCB w/o Bullet</td>
</tr>
<tr>
<td>920-154J-51P</td>
<td>50Ω Edge Launch PCB w/o Bullet</td>
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</tbody>
</table>

**Between Series Adapters**

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<tr>
<th>Part Number</th>
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<tbody>
<tr>
<td>920-145A-51S</td>
<td>50Ω Jack to MCX Plug</td>
<td>920-156A-71S</td>
<td>75Ω Plug to 75Ω MCX Jack</td>
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<tr>
<td>920-146A-51S</td>
<td>50Ω Plug to MCX Jack</td>
<td>920-157A-51S</td>
<td>50Ω adapter, SMA (F) to AFI w/o Bullet</td>
</tr>
<tr>
<td>920-155A-71S</td>
<td>75Ω Jack to 75Ω MCX Plug</td>
<td>920-158A-51S</td>
<td>50Ω adapter, SMA (F) to AFI w Bullet</td>
</tr>
</tbody>
</table>

Consult Representative for Technical Drawing