Micro-D MWDM-CBR
Right Angle Thru-Hole
Printed Circuit Board Connectors

High Performance – These connectors feature gold-plated TwistPin contacts for best performance. PC tails are .020 inch diameter. Specify nickel-plated shells or cadmium plated shells for best availability.

Solder-Dipped – Terminals are coated with Sn60/Pb40 tin-lead solder for best solderability. Optional gold-plated terminals are available for RoHS compliance.

Rear Mountable – Can be installed through panels up to .125 inch thick. Specify rear panel mount jackposts.

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How To Order CBR Style PCB Micro-D Connectors

**Series**
- MWDM Glenair Micro-D

**Shell Material and Finish**
- Aluminum Shell
- Stainless Steel Shell
- 1 - Cadmium
- 2 - Nickel
- 3 - Passivated
- 4 - Black Anodize
- 5 - Gold
- 6 - Chem Film

**Insulator Material**
- L - LCP or PPS
- LCP - 30% Glass-filled liquid crystal polymer
- PPS - 40% Glass-filled polyphenylene sulfide

**Contact Layout**
- 9, 15, 21, 25, 31, 37, 51, 69, 75, 100, 130 (See Table II)

**Contact Type**
- P – Pin
- 5 – Socket

**Termination Type**
- CBR - Condensed Board Right Angle

**Jackpost Option**
- (Omit for None) P – Jackpost
- Jackposts for Rear Panel Mounting
  - R1 – .032” Panel
  - R2 – .047” Panel
  - R3 – .062” Panel
  - R4 – .093” Panel
  - R5 – .125” Panel
  - R6 – .080” Panel

**Threaded Insert Option**
- T - Threaded Insert In Board Mount Hole
- Omit for Thru-Hole
- 2-56 threads for size 9-69 and 4-40 threads for sizes 75, 100, and 130

**Terminal Length in Inches**
- .080, .110, .125, .140, .150, .172, .190, .250
- Length in Inches ± .015 (0.38)

**Gold-Plated Terminal Mod Code**
- These connectors are solder-dipped in 60/40 tin-lead solder.
- To delete the solder dip and change to gold-plated terminals, add code 513

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Table I: Jackpost Options

<table>
<thead>
<tr>
<th>2</th>
<th>L</th>
<th>-15</th>
<th>P</th>
<th>CBR</th>
<th>R3</th>
<th>T</th>
<th>-.110</th>
<th>513</th>
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<td>Thru-Hole</td>
<td>Standard Jackpost</td>
<td>Jackpost for Rear Panel Mounting</td>
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</tbody>
</table>

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www.glenair.com
C-22
E-Mail: sales@glenair.com
Rev 10/15/19
# Micro-D MWDM-CBR
## Right Angle Thru-Hole
### Printed Circuit Board Connectors

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**Table II: Dimensions**

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<td>In.</td>
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<td>±0.003</td>
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<td>0.310</td>
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<td>0.184</td>
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**Performance Specifications**

- **Current Rating**: 3 AMP
- **DWR**: 600 VAC Sea level
- **Insulation Resistance**: 5000 Megohms Minimum
- **Contact Resistance**: 8 Milliohms Maximum
- **Low Level Contact Resist.**: 32 Milliohms Maximum
- **Magnetic Permeability**: 2 µ Maximum
- **Operating Temperature**: -55°C to +150°C
- **Shock, Vibration**: 50 g, 20g
- **Mating Force**: (10 Ounces) X (# of Contacts)

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**Materials and Finishes**

- **Connector Shell**: Aluminum Alloy 6061 or Stainless Steel, 300 Series, passivated. See Ordering Info for Plating Options
- **Insulator, Tray**: Liquid Crystal Polymer (LCP)/Polyphenylene Sulfide (PPS)
- **Interfacial Seal**: Fluorosilicone Rubber, Blue
- **Pin Contact**: Copper Alloy, Gold over Nickle Plating
- **Socket Contact**: Copper Alloy, Gold over Nickle Plating
- **PCB Terminals**: Gold Plated Copper Alloy, Solder Dipped
- **Encapsulant**: Epoxy Resin Hysol EE4215

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High Performance Micro-D Connectors and Cables

U.S. CAGE Code 06324

Printed in U.S.A.

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Rev 10/15/19
MICRO-D CBR Board Mount Connector PCB Layouts – Pin Connectors

Patterns shown are for connector mounting side of PC board. 9 Thru 69 Contacts .096 (2.44) Diameter Mounting Holes, 75-130 Pin .125 (3.18) Diameter

9 PIN

21 PIN

31 PIN

51 PIN

15 PIN

25 PIN

37 PIN

69 PIN


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Micro-D MWDM-CBR
Right Angle Thru-Hole
Printed Circuit Board Connectors

Patterns shown are for connector mounting side of PC board. 9 Thru 69 Contacts .096 (2.44) Diameter Mounting Holes, 75-130 Pin .125 (3.18) Diameter

CONNECTOR FLANGE

75 PIN

100 PIN

130 PIN


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MICRO-D CBR Board Mount Connector PCB Layouts – Socket Connectors

Patterns shown are for connector mounting side of PC board. 9 Thru 69 Contacts .096 (2.44) Diameter Mounting Holes, 75-130 PIn .125 (3.18) Diameter

Micro-D MWDM-CBR
Right Angle Thru-Hole
Printed Circuit Board Connectors


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Rev 10/14/17
Patterns shown are for connector mounting side of PC board. 9 Thru 69 Contacts .096 (2.44) Diameter Mounting Holes, 75-130 Pin .125 (3.18) Diameter

**Micro-D CBR Board Mount Connector PCB Layouts – Socket Connectors**

**75 SOCKET**

**100 SOCKET**

**130 SOCKET**


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