

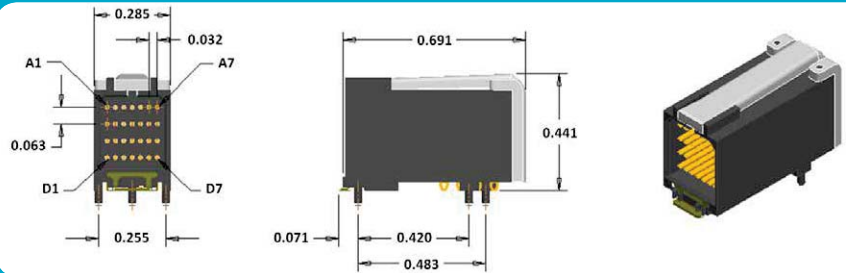


XHD4™

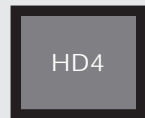
HD4 – Right Angle SI Connector

HD4™ high-density, signal-integrity connectors are used in right angle, PCB-mount applications where a female interface is required. HD4™ connectors allow for six 4x interfaces in the low-profile PCIe add-on card when used with part number V4001-06.

DIMENSIONS



Sample Part Number Format: HD4-028-50-20-LP



SERIES
 Right Angle
 SI Connector
 (Female)



CONTACTS
 028 – 28 Contacts



CONTACT PLATING
 30 – 30 μ" Au
 50 – 50 μ" Au



TERMINATION
 01 – Paste-in-hole
 20 – Surface-mount



OPTIONS
 LP – Light pipe
 00 – Without light pipe



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FEATURES

HD4™ connectors feature low mating force/high-reliability contact system with four points of contact.



MATERIALS and FINISHES

Socket Contact: BeCu per UNS C17460
 Contact Finish: Localized gold finish per MIL-G-45204 over nickel per
 ASTM-B689 Type I
 Molded Insulators: Glass-filled liquid crystal polymer (LCP) per ASTM-D5138

NOTE: AirBorn can manufacture other configurations to your exact specifications.

PERFORMANCE

Contact Rating 1 amperes maximum
 Operating Temperature -55° to 125° C
 Contact Wipe 1.5 mm (0.060")
 Contact Normal Force 35-40 grams
 Max Recommended Voltage 200 VDC
 Insulation Resistance 1,000 megaohms @ 600 VDC
 Durability 1000 connector mating cycles
 Sinusoidal Vibration 15 g (EIA-364-28, condition IV)
 Random Vibration TBD
 Shock 100 g (EIA-364-27, condition G)

NOTE: Performance values are estimates at this time. Actual values will be determined when final product testing is complete.

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