



# 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: HD4-04-07-50-20-LP



**SERIES**  
Right Angle  
SI Connector  
(Female)



**ROWS**  
04 – 4 Rows



**COLUMNS**  
07 – 7 Columns



**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.