

PCIe

**Next-Gen
PCIe 5**
Release
coming soon!

This Right Angle Through-Hole PCIe connector solves space problems in applications where a card-edge connector is needed and where low clearance above the PCB prohibits use of vertical configurations.

Features & Benefits

- Parallel daughter-card mating for low-profile applications
- Plastic cover protects connectors from dust and debris, and supports connector for hybrid-soldering applications requiring convection or IR heating
- Compliant board-locating posts
- Card-slot heights 5.84 mm to 11.17 mm
- Insert molded using liquid-crystal polymer for stability in hybrid-board applications involving surface-mount components requiring convection or IR heating
- Offers PCB design flexibility
- Designed to mate with .062" thick daughter card
- Meets PCIe 3.0 Electrical data requirements for 8.0 Gb/s

Specifications

Electrical

- Contact resistance: 40 milliohm (nominal)
- Dielectric-withstanding voltage: 300 VDC
- Current rating: 1.1 amp per contact
- Insulation resistance: 100 MΩ (minimum)

Mechanical

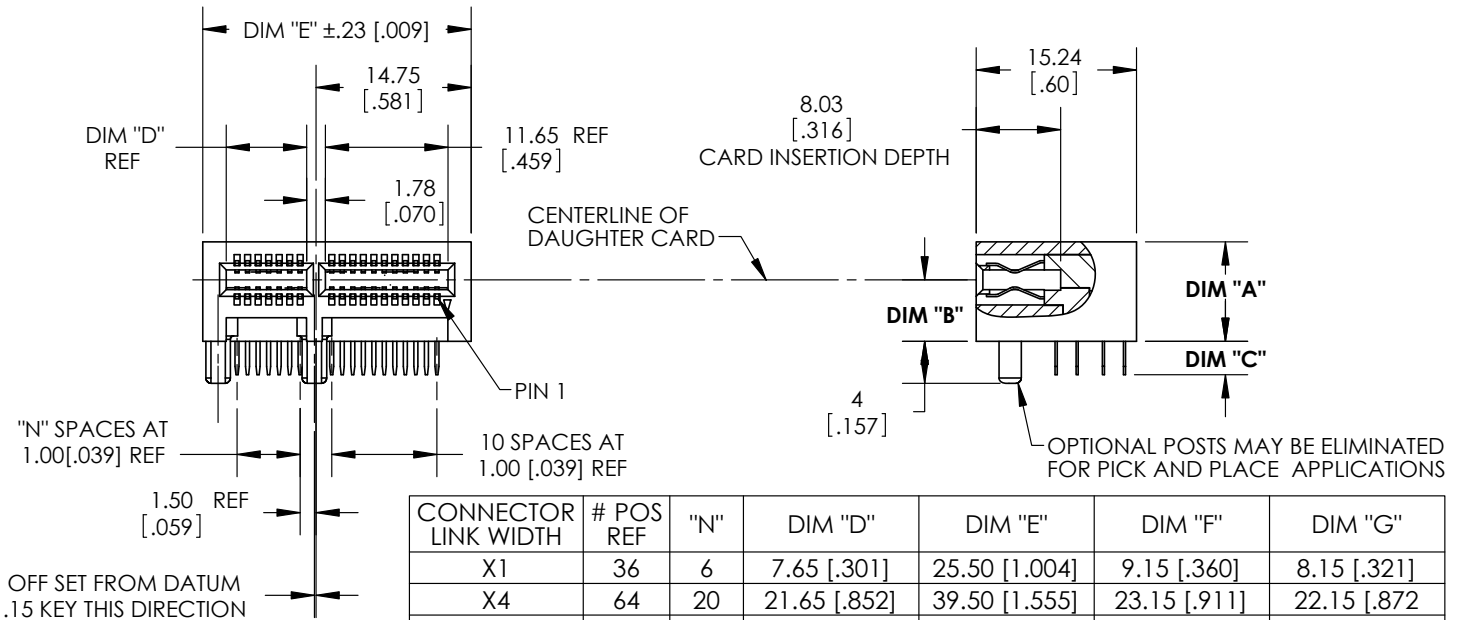
- Contact material: Copper Alloy
- Number of contacts: X1=36, X4=64, X8=98, X16=164, X24=230
- Standard-contact finish: contact and solder-tail finish surface consists of 5-μin Au over 50-μin min Ni
- Custom-contact finish: specific gold plating thickness available upon request
- Insertion force: 150 grams maximum per opposing contact pair
- Normal force: 50 grams minimum per contact
- Dielectric material: glass filled liquid-crystal polymer (LCP)

Environmental

- Material: UL 94V-0 Recognized
- Temperature range: -40 °C to +105 °C

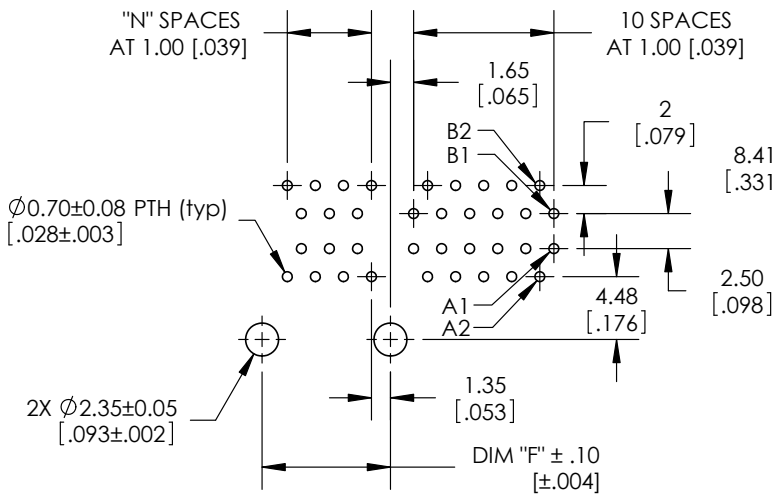


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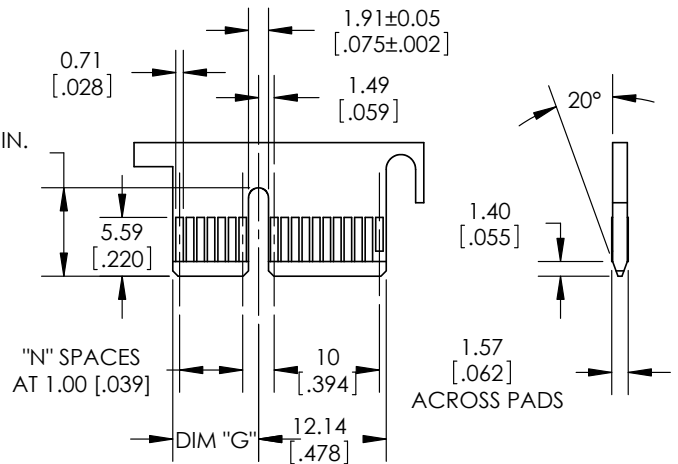


CONNECTOR LINK WIDTH	# POS REF	"N"	DIM "D"	DIM "E"	DIM "F"	DIM "G"
X1	36	6	7.65 [.301]	25.50 [1.004]	9.15 [.360]	8.15 [.321]
X4	64	20	21.65 [.852]	39.50 [1.555]	23.15 [.911]	22.15 [.872]
X8	98	37	38.65 [1.522]	56.50 [2.224]	40.15 [1.581]	39.15 [1.541]
X16	164	70	71.65 [2.821]	89.50 [3.524]	73.15 [2.880]	72.15 [2.841]
X24	230	103	104.65 [4.120]	122.50 [4.823]	106.15 [4.179]	105.15 [4.140]

RECOMMENDED MOTHER BOARD FOOTPRINT



RECOMMENDED DAUGHTER CARD LAYOUT



DIM "A"	DIM "B"	DIM "C"	PART NUMBER STRUCTURE	XXX= Number of Positions
9.39 [.370]	5.84 [.230]	2.54 [.100]	983571-XXX-2MMF	Replace XXX with number of positions: 036 = X1 064 = X4 098 = X8 164 = X16 230 = X24
9.39 [.370]	5.84 [.230]	3.17 [.125]	983572-XXX-2MMF	
9.39 [.370]	5.84 [.230]	3.55 [.140]	983573-XXX-2MMF	
14.73 [.580]	11.17 [.440]	2.54 [.100]	98357G-XXX-2MMF	
14.73 [.580]	11.17 [.440]	3.17 [.125]	98357H-XXX-2MMF	
14.73 [.580]	11.17 [.440]	3.55 [.140]	98357J-XXX-2MMF	

