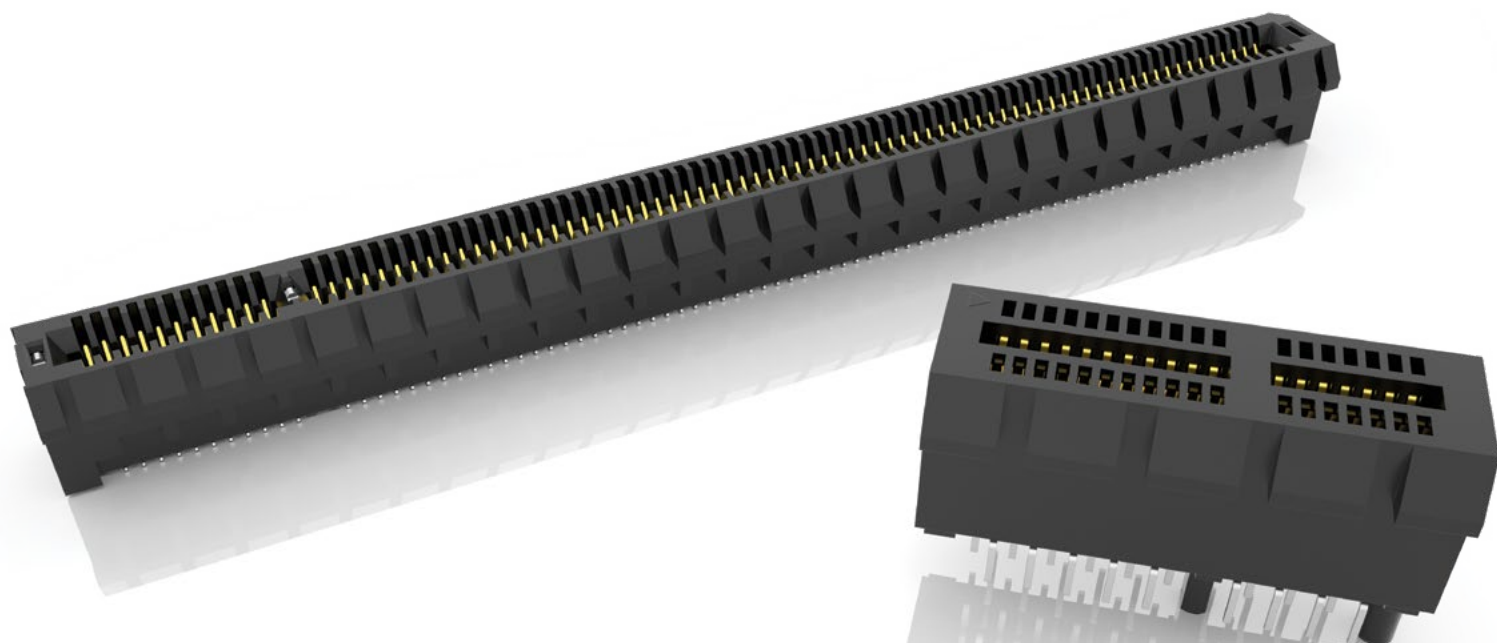




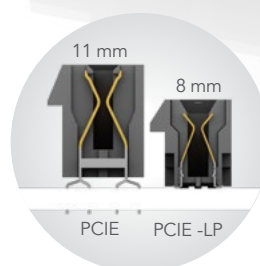
PCI EXPRESS® EDGE CARD SOCKETS

(1.00 mm) .0394" PITCH



FEATURES & BENEFITS

- 1.00 mm pitch
- Supports 1, 4, 8 and 16 PCI Express® links
- PCIe® 3.0 Solution (PCIe)
- PCIe® 4.0 Solution with low-profile design for space savings (PCIe-LP)
- PCIe® 4.0 with slim body design (PCIe-G4)
- PCIe® 5.0 Solution with differential pair signaling (PCIe-G5)
- Vertical, right-angle and edge mount
- Mates with .062" (1.60 mm) thick cards
- Alignment pin and weld tab options



PCIe® 3.0 & 4.0
Edge Card
connectors



PCIe® 4.0 slim body
socket with Edge Rate®
contacts (PCIe-G4)

KEY SPECIFICATIONS

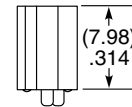
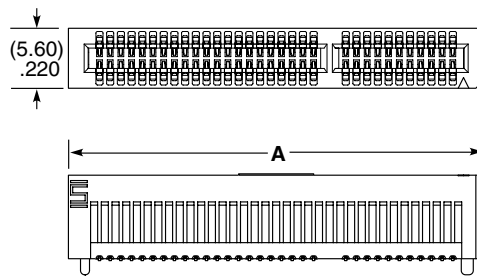
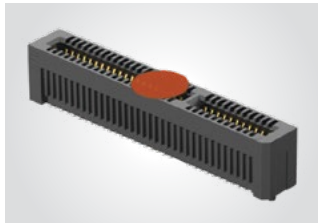
SERIES	TOTAL PINS (LANES)	INSULATOR MATERIAL	CONTACT MATERIAL	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	PCIe® COMPATIBILITY
PCIe	36 (x1), 64 (x4), 98 (x8), 164 (x16)	-TH = Black Nylon -EMS2 & -TH = LCP	Phosphor Bronze	-55 °C to +125 °C	2.4 A (2 pins)	215 VAC	3.0
PCIe-LP	36 (x1), 64 (x4), 98 (x8), 164 (x16)	LCP	Phosphor Bronze	-55 °C to +125 °C	2.1 A (2 pins)	215 VAC	4.0
PCIe-G4	36 (x1), 64 (x4), 98 (x8), 164 (x16)	LCP	Copper Alloy	-55 °C to +125 °C	2.2 A (2 pins)	300 VAC	4.0
PCIe-G5	36 (x1), 64 (x4), 98 (x8), 164 (x16)	LCP	Copper Alloy	-55 °C to +125 °C	3.2 A (2 pins)	235 VAC	5.0

(1.00 mm) .0394" PITCH • PCI EXPRESS® 4.0 SOCKET

PCIE	-	G4	-	NUMBER OF LANES	-	01	-	PLATING OPTION	-	DV	-	OPTION 1	-	OPTION 2	-	PACKAGING
				-01, -04, -08, -16				-F = Gold flash on contact, Matte Tin on tail -S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail				-A = Alignment Pin (Not available with -WT) -WT = Weld Tab (Not available with -A)		-K = (7.00 mm) .275" DIA Polyimide Pick & Place Pad		(For -16 lanes only leave blank for Tray Packaging) -TR = Tape & Reel ("X"R required with -01, -04, -08 lanes) -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) ("X"R required with -01, -04, -08 lanes)

PCIE-G4

Card Mates:
(1.60 mm)
.062" card



NUMBER OF LANES	A
-01	(24.80) .976
-04	(38.80) 1.528
-08	(55.80) 2.197
-16	(88.80) 3.496

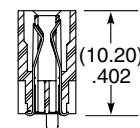
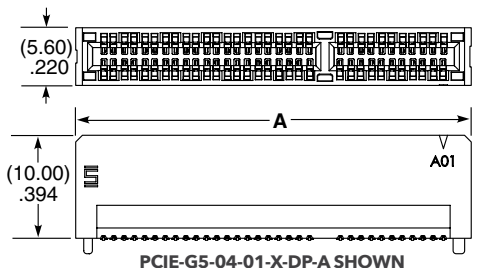
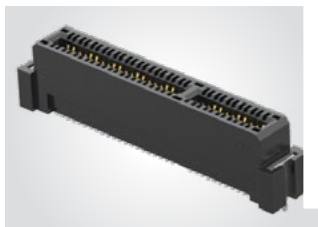
View complete specifications at: samtec.com?PCIE-G4

(1.00 mm) .0394" PITCH • PCI EXPRESS® 5.0 SOCKET

PCIE	-	G5	-	NUMBER OF LANES	-	01	-	PLATING OPTION	-	DP	-	A	-	OPTION	-	PACKAGING
				-01, -04, -08, -16				-F = Gold flash on contact, Matte Tin on tail -S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail						-WT = Weld Tab		(For -16 lanes only leave blank for Tray Packaging) -TR = Tape & Reel ("X"R required with -01, -04, -08 lanes) -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) ("X"R required with -01, -04, -08 lanes)

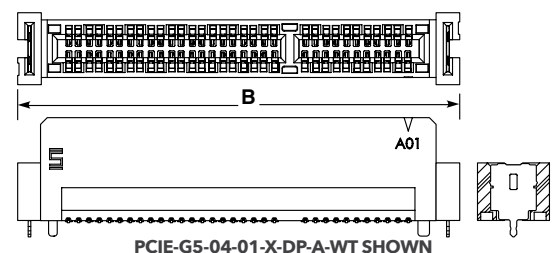
PCIE-G5

Card Mates:
(1.60 mm)
.062" card



PCIE-G5-04-01-X-DP-A SHOWN

NUMBER OF LANES	A	B (with -WT)
-01	(24.40) .961	(26.70) 1.051
-04	(38.40) 1.512	(40.70) 1.602
-08	(55.40) 2.181	(57.70) 2.272
-16	(88.40) 3.480	(90.70) 3.571



PCIE-G5-04-01-X-DP-A-WT SHOWN

PRELIMINARY

PCI-SIG®, PCI Express® and the PCIe® design marks are registered trademarks and/or service marks of PCI-SIG.

Note:
Some lengths, styles and options are non-standard, non-returnable.

View complete specifications at: samtec.com?PCIE-G5