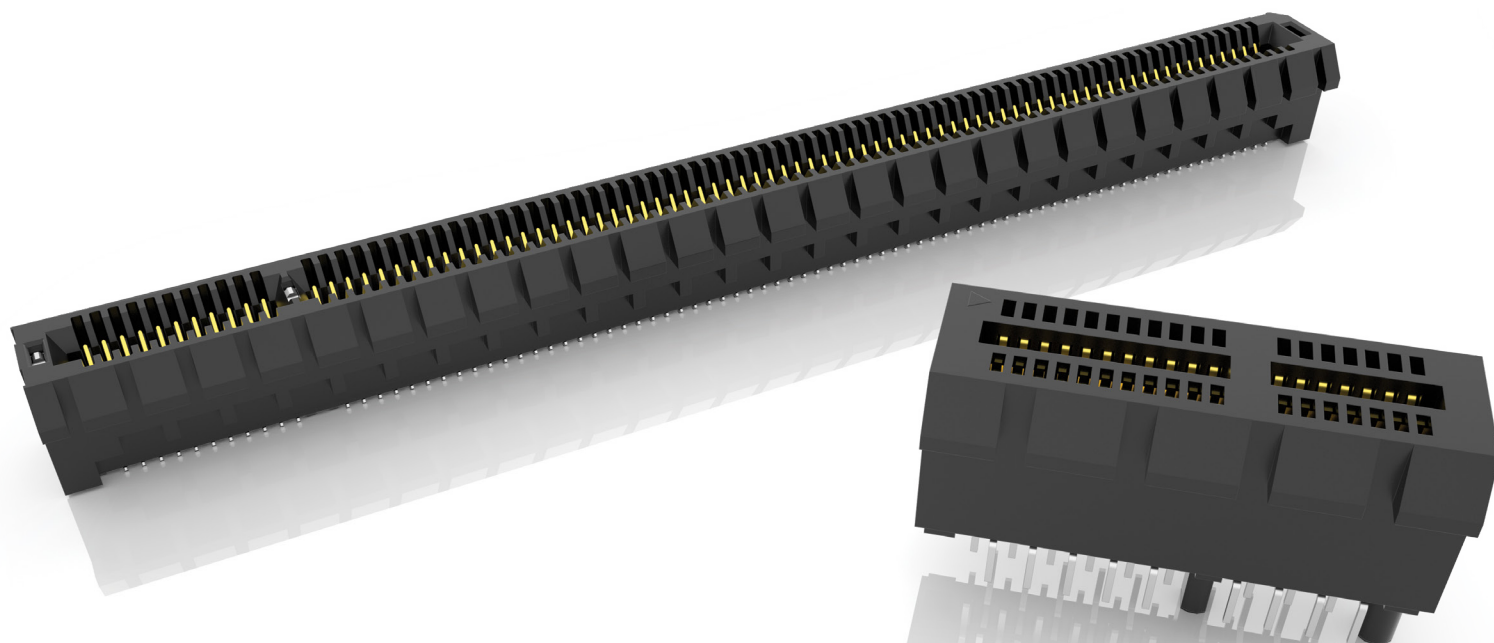




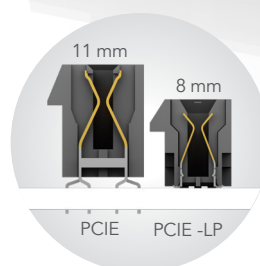
PCI EXPRESS® EDGE CARD SOCKETS

(1.00 mm) .0394" PITCH



FEATURES & BENEFITS

- 1.00 mm pitch
- Supports 1, 4, 8 and 16 PCI Express® links
- PCIe® 3.0 Solution (PCI-E)
- PCIe® 4.0 Solution with low profile design for space savings (PCI-E-LP)
- PCIe® 4.0 with slim body design (PCI-E-G4)
- PCIe® 5.0/6.0 Solution with differential pair signaling (PCI-E-G5)
- Vertical, right-angle and edge mount
- Mates with .062" (1.60 mm) thick cards
- Alignment pin and weld tab options



PCI-E® 3.0 & 4.0
Edge Card
connectors



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

KEY SPECIFICATIONS

SERIES	TOTAL PINS (LANES)	INSULATOR MATERIAL	CONTACT MATERIAL	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	PCI-E® COMPATIBILITY
PCI-E	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/304 VDC	3.0
PCI-E-LP	36 (x1), 64 (x4), 98 (x8), 164 (x16)	LCP	Phosphor Bronze	-55 °C to +125 °C	2.1 A (2 pins)	215 VAC/304 VDC	4.0
PCI-E-G4	36 (x1), 64 (x4), 98 (x8), 164 (x16)	LCP	Copper Alloy	-55 °C to +125 °C	2.2 A (2 pins)	300 VAC/424 VDC	4.0
PCI-E-G5	36 (x1), 64 (x4), 98 (x8), 164 (x16)	LCP	Copper Alloy	-55 °C to +125 °C	3.2 A (2 pins)	220 VAC/311 VDC	5.0/6.0

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

PCIE	-	G4	-	NUMBER OF LANES	-	01	-	PLATING OPTION	-	DV	-	OPTION 1	-	OPTION 2	-	PACKAGING
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-01, -04,
-08, -16

-F
= Gold flash
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)

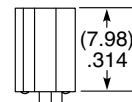
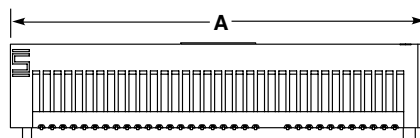
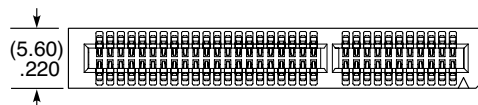
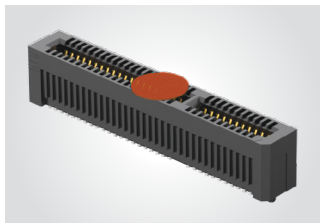
-TR
= Tape & Reel
("X"R required
with -01, -04,
-08 lanes)

-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

Cable Mates:
PCIEC-G4



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® 5.0/6.0 SOCKET

PCIE	-	G5	-	NUMBER OF LANES	-	01	-	PLATING OPTION	-	TYPE	-	OPTION	-	PACKAGING
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-01, -04,
-08, -16

-F
= Gold flash on contact,
Matte Tin on tail

-DP-A
= Vertical

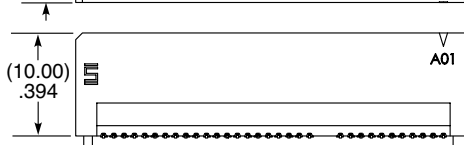
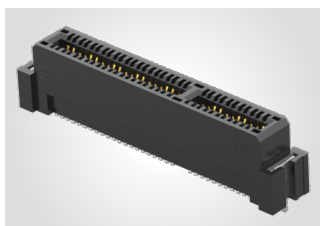
-WT
= Weld Tab

(For -16 lanes
only leave blank for
Tray Packaging)

PCIE-G5

Card Mates:
(1.60 mm)
.062" card

Cable Mates:
PCIEC-G5



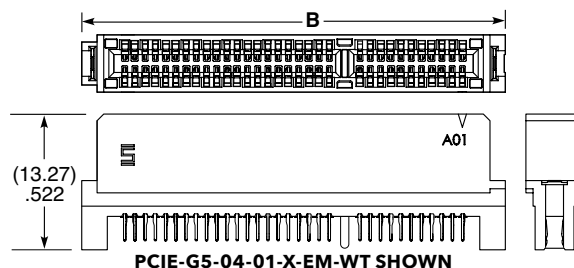
PCIE-G5-04-01-X-DP-A SHOWN

-EM
= Edge
Mount

-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)

NUMBER OF LANES	A	B
-01	(24.40) .961	(27.40) 1.079
-04	(38.40) 1.512	(41.40) 1.630
-08	(55.40) 2.181	(58.40) 2.299
-16	(88.40) 3.480	(91.40) 3.598



PCIE-G5-04-01-X-EM-WT SHOWN

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the PCIe® design marks are
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Note:
Some lengths, styles and
options are non-standard,
non-returnable.

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