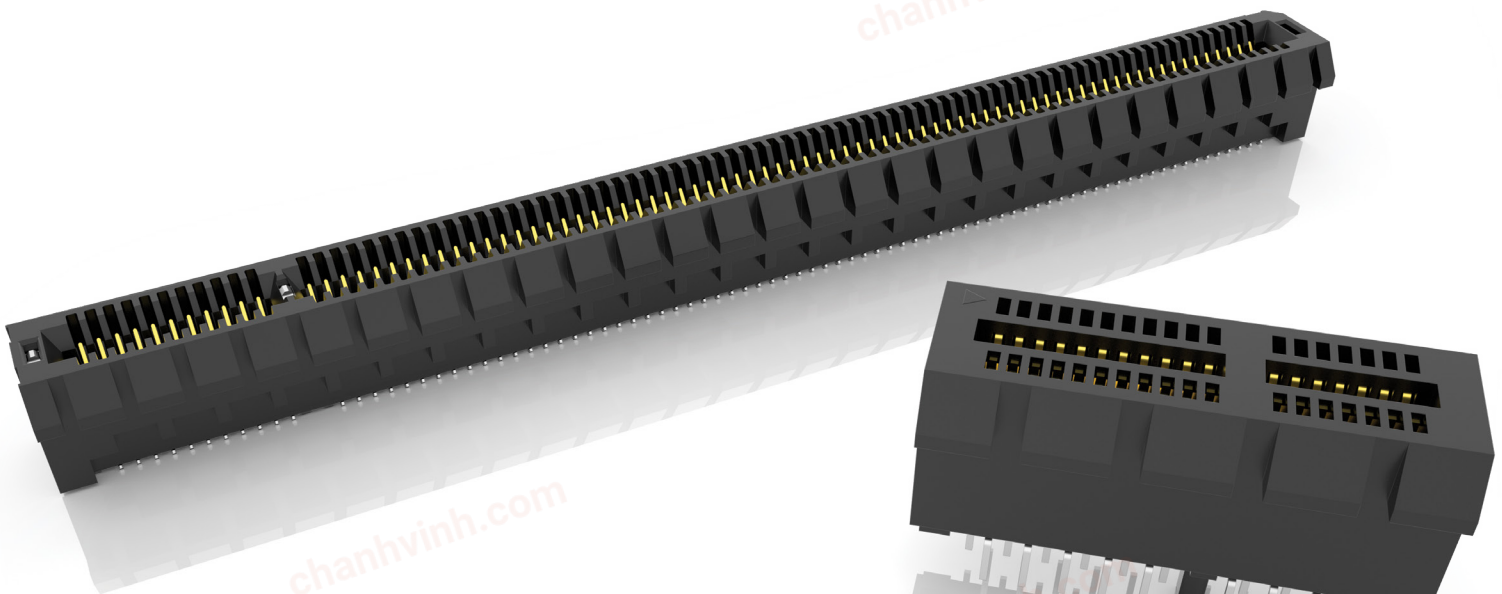
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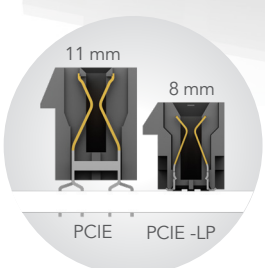
PCI EXPRESS® EDGE CARD SOCKETS

(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® 5.0/6.0 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/304 VDC	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/304 VDC	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/424 VDC	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)	220 VAC/311 VDC	5.0/6.0

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Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

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PCI EXPRESS® 3.0 & 4.0 SOLUTIONS

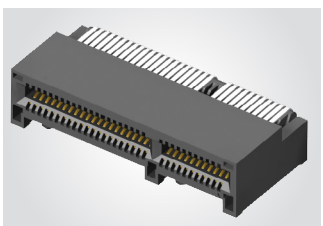
samtec

(1.00 mm) .0394" PITCH • PCI EXPRESS® CARD SOCKETS

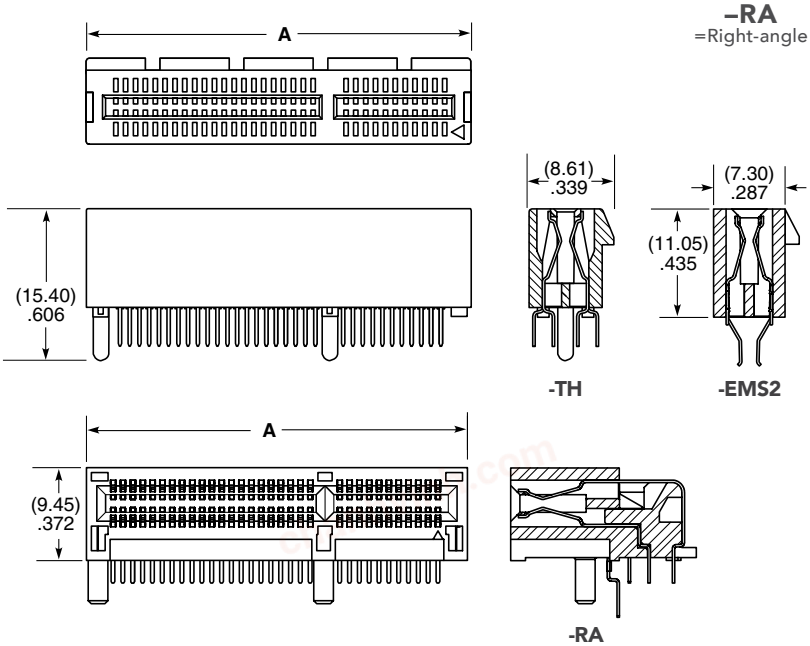
PCIE	–	NUMBER OF POSITIONS	–	02	–	PLATING OPTION	–	D	–	TAIL OPTION
		–036, –064, –098, –164				–F =Gold flash on contact, Tin on tail				–EMS2 = Edge Mount –TH =Through-hole –RA =Right-angle

PCIE

Card Mates:
(1.60 mm)
.062" card
Cable Mates:
PCIEC



POSITIONS	A
–036 (x1)	(25.00) .984
–064 (x4)	(39.00) 1.535
–098 (x8)	(56.00) 2.205
–164 (x16)	(89.00) 3.504

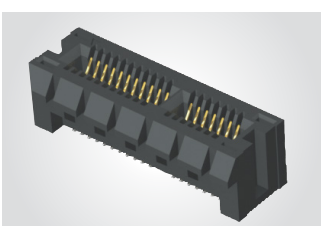


View complete specifications at: samtec.com?PCIE

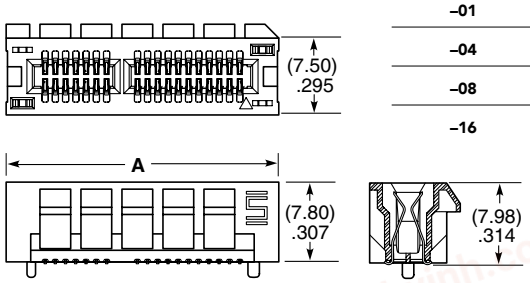
PCIE	–	LP	–	NUMBER OF LANES	–	01	–	PLATING OPTION	–	DV	–	A	–	OPTION	–	PACKAGING
				–01, –04, –08, –16				–F = Gold Flash on contact, Matte Tin on tail						–WT = Weld Tab –K = Polyimide film Pick & Place Pad		(For -16 lanes only leave blank for Tray Packaging) –TR = Tape & Reel ("X"R required with –01, –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-LP

Card Mates:
(1.60 mm)
.062" card
Cable Mates:
PCIEC



NUMBER OF LANES	A
–01	(26.60) 1.047
–04	(40.60) 1.598
–08	(57.60) 2.268
–16	(90.60) 3.567



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

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

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