

PCI EXPRESS® CARD SOCKETS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?PCIE

Insulator Material:

- TH=Black Nylon
- EMS2 & -RA=LCP

Contact:

Phosphor Bronze

Plating:

Au or Sn over 50 μm (1.27 μm) Ni

Current Rating:

2.2 A per pin
(2 adjacent pins powered)

Operating Temp:

-55 °C to +125 °C

Card Insertion Depth:

(7.65 mm) .301" nominal

RoHS Compliant:

Yes

Lead-Free Solderable:

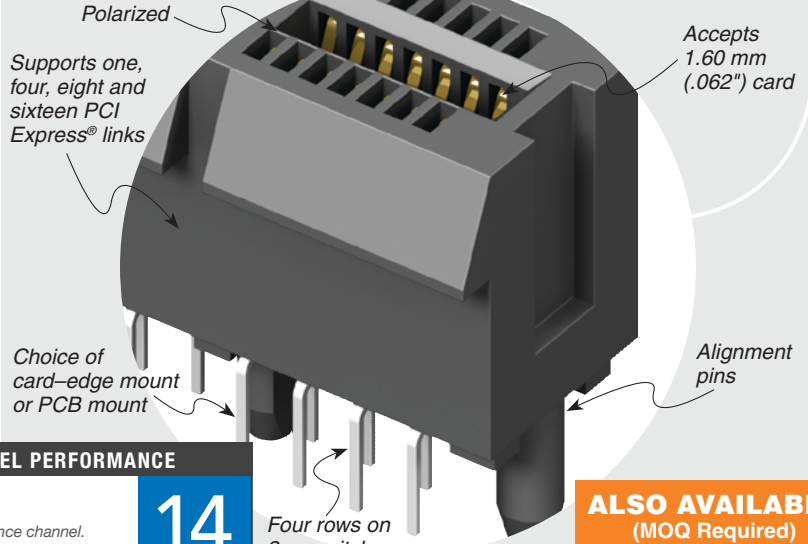
-RA & -EMS2=Yes

-TH=Wave only

Card Mates:
(1.60 mm) .062" card

Cable Mates:
PCIEC

Note:
While optimized for 50 Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75 Ω applications.



HIGH-SPEED CHANNEL PERFORMANCE

PCIE

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com or contact SIG@samtec.com

14
Gbps

ALSO AVAILABLE
(MOQ Required)

- Other platings

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



OTHER SOLUTIONS

PCI Express® Jumpers & Extenders call for PCIEC Series



- Loop back Extender (From one PCIe® slot to another PCIe® slot)
- Ser-Des Physical Extender (From one PCIe® slot to another PCIe® Ser-Des)
- Physical Extender for easy troubleshooting of PCIe® card debug and analysis (PCIe® slot to Emulator or Analyzer)

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

PCIE

NO. 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

-TH

-EMS2

-TH

-RA

POSITIONS	A	B	C	D
-036 (X1)	(25.00) .984	(7.65) .301	(6.00) .236	(9.15) .360
-064 (X4)	(39.00) 1.535	(21.65) .852	(20.00) .787	(23.15) .911
-098 (X8)	(56.00) 2.205	(38.65) 1.522	(37.00) 1.457	(40.15) 1.581
-164 (X16)	(89.00) 3.504	(71.65) 2.821	(70.00) 2.756	(73.15) 2.880

Due to technical progress, all designs, specifications and components are subject to change without notice.