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 µ” (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

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 PCI slot to another PCI slot)

• Ser-Des Physical Extender
  (From one PCI slot to another PCI Ser-Des)

• Physical Extender for easy troubleshooting of PCI® card debug and analysis (PCI® slot to Emulator or Analyzer)
  Contact Samtec.

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

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

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

WWW.SAMTEC.COM

Card Mates:
(1.60 mm) .062” card

Cable Mates:
PCIEC

Supports one, four, eight and sixteen PCI Express® links

Choice of card-edge mount or PCB mount

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

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

PCIE = Gold flash on contact, Tin on tail

– EMS2 = Edge Mount
– TH = Through-hole
– RA = Right-angle

ALSO AVAILABLE
(MQO Required)
• Other platings
  Contact Samtec.

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Also Available (MQQ Required)
• Other platings
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Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.