

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= No, Lead Wave only

RECOGNITIONS

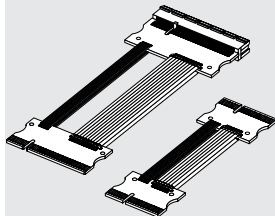
For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

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.

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.

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

Accepts 1.60 mm (.062") card

Choice of card-edge mount or PCB mount

Alignment pins

Four rows on 2 mm pitch

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

PCIE

NO. OF POSITIONS

02

PLATING OPTION

D

TAIL OPTION

—036, —064, —098, —164

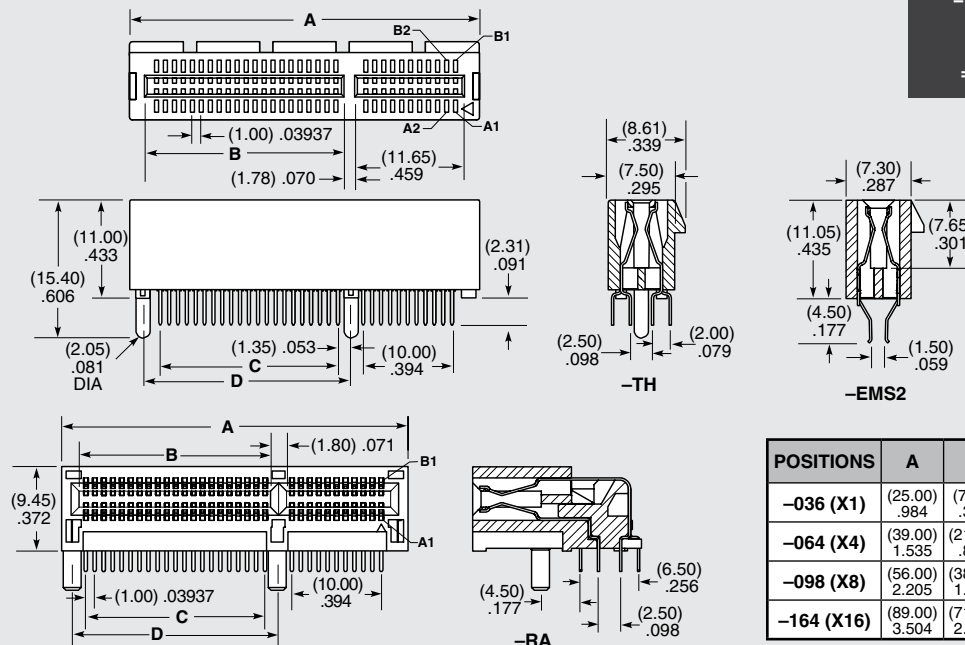
—F

= Gold flash on contact,
Tin on tail

—EMS2
= Edge Mount

—TH
= Through-hole

—RA
= Right-angle



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.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.
Components must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.