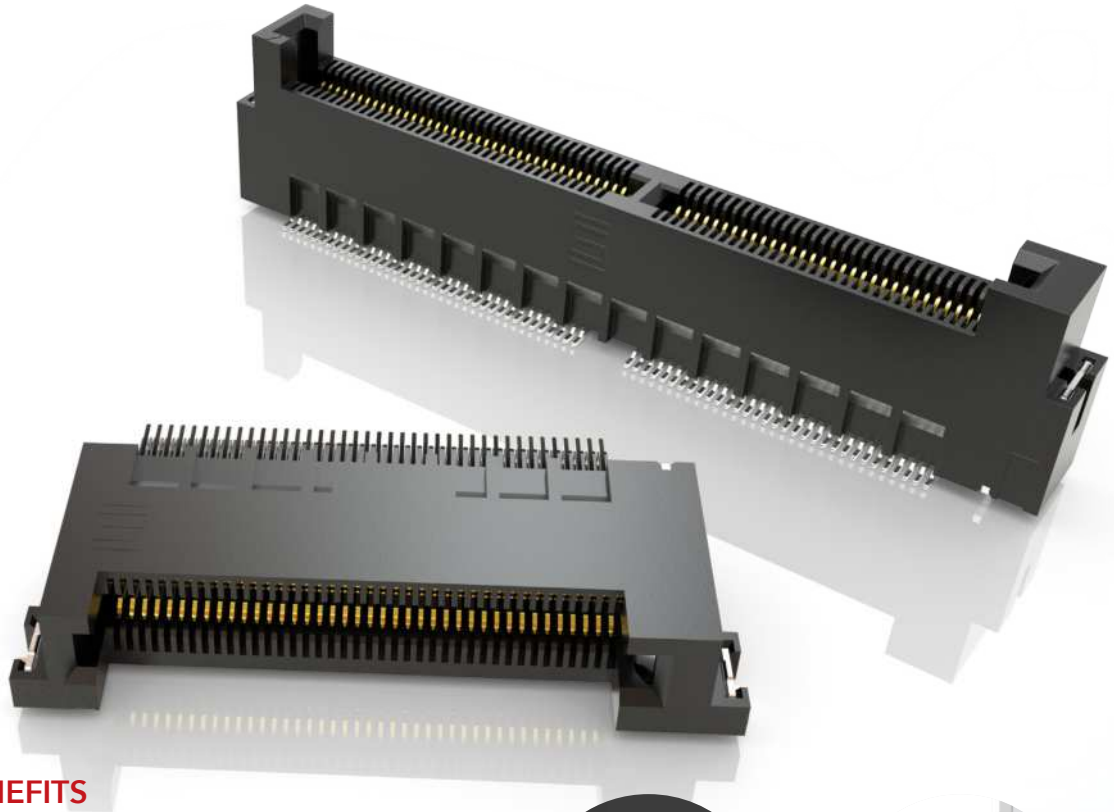


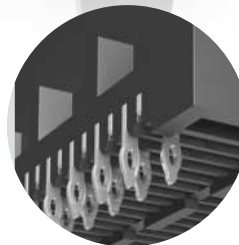
MICRO EDGE CARD SYSTEMS

0.50 mm, 0.635 mm, 0.80 mm, 1.00 mm, 1.27 mm, 2.00 mm PITCH



FEATURES & BENEFITS

- Up to 56 Gbps PAM4
- PCI Express® 4.0 (MEC5 Series)
- Solutions for (1.60 mm) .062" and (2.36 mm) .093" thick cards
- Choice of pitch: 0.50 mm, 0.635 mm, 0.80 mm, 1.00 mm, 1.27 mm, 2.00 mm
- Vertical, right-angle and edge mount orientations
- Available in surface mount and through-hole



Staggered press-fit tails
(MEC8-VP)



Justification beam ensures
card and body are flush
(MEC5)

KEY SPECIFICATIONS

SERIES	PITCH	TOTAL POSITIONS	INSULATOR MATERIAL	CONTACT MATERIAL	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	LEAD-FREE SOLDERABLE
MEC5	0.50 mm	60-200	Black LCP	Phosphor Bronze	-55 °C to +125 °C	1.5 A (2 pins)	125 VAC/177 VDC	Yes
MEC6	0.635 mm	20-140	Black LCP	Phosphor Bronze	-55 °C to +125 °C	2.4 A (2 pins)	185 VAC/262 VDC	Yes
MEC8	0.80 mm	20-140	Black LCP	Phosphor Bronze	-55 °C to +125 °C	2.3 A (2 pins)	180 VAC/255 VDC	Yes
MEC1	1.00 mm	20-140	Black LCP	BeCu	-55 °C to +125 °C	2.2 A (2 pins)	250 VAC/354 VDC	Yes
MECF	1.27 mm	10-100	Black/Natural LCP	BeCu	-55 °C to +125 °C	3.5 A (2 pins)	280 VAC/396 VDC	Yes
MEC2	2.00 mm	10-100	Black/Natural LCP	BeCu	-55 °C to +125 °C	3.5 A (2 pins)	280 VAC/396 VDC	Yes

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

(0.80 mm) .0315" PITCH • VERTICAL AND PRESS-FIT EDGE CARD SOCKET

MEC8	-	1	POSITIONS PER ROW	-	02	PLATING OPTION	-	DV	OTHER OPTIONS	-	"X"R
------	---	---	-------------------	---	----	----------------	---	----	---------------	---	------

10, 20, 30, 40,
50, 60, 70

-L
= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tail

-A
= Alignment Pin

-K
= (5.50 mm) 2.17" DIA
Polyimide Pick
& Place Pad

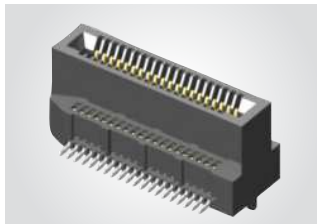
Leave blank for
Tray Packaging

-TR
= Tape & Reel

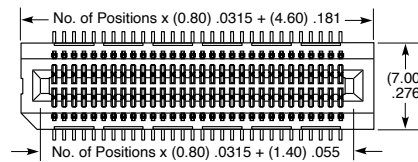
-FR
= Full Reel
Tape & Reel
(must order max.
quantity per reel;
contact Samtec for
quantity breaks)

MEC8-DV

Card Mates:
(1.60 mm) .062"
thick card

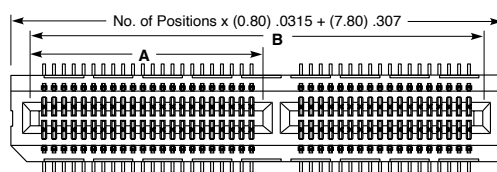


POSITIONS PER ROW	A	B
40	(18.90) .744	(36.60) 1.441
50	(22.90) .902	(44.60) 1.756
60	(26.90) 1.059	(52.60) 2.071
70	(30.90) 1.217	(60.60) 2.386

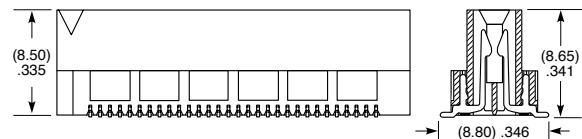


25
G b p s

10, 20, & 30 POSITIONS



40, 50, 60 & 70 POSITIONS



View complete specifications at: samtec.com?MEC8-DV

MEC8	-	1	POSITIONS PER ROW	-	CARD THICKNESS	PLATING OPTION	-	TAIL
------	---	---	-------------------	---	----------------	----------------	---	------

10, 20, 30, 40

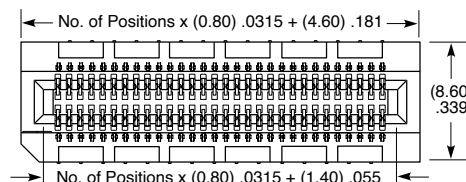
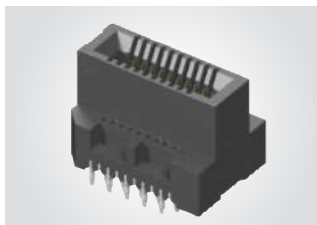
-02
= (1.60 mm) .062"
thick card

-L
= 10 μ " (0.25 μ m) Gold on contact,
Matte Tin on tail

-VP
= Press-fit

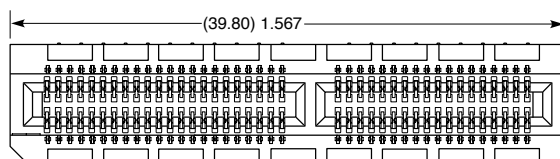
MEC8-VP

Card Mates:
(1.60 mm) .062"
thick card

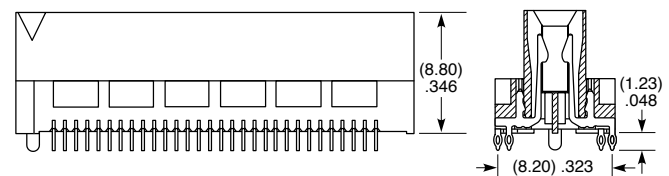


14
G b p s

10, 20 & 30 POSITIONS



40 POSITIONS



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

View complete specifications at: samtec.com?MEC8-VP