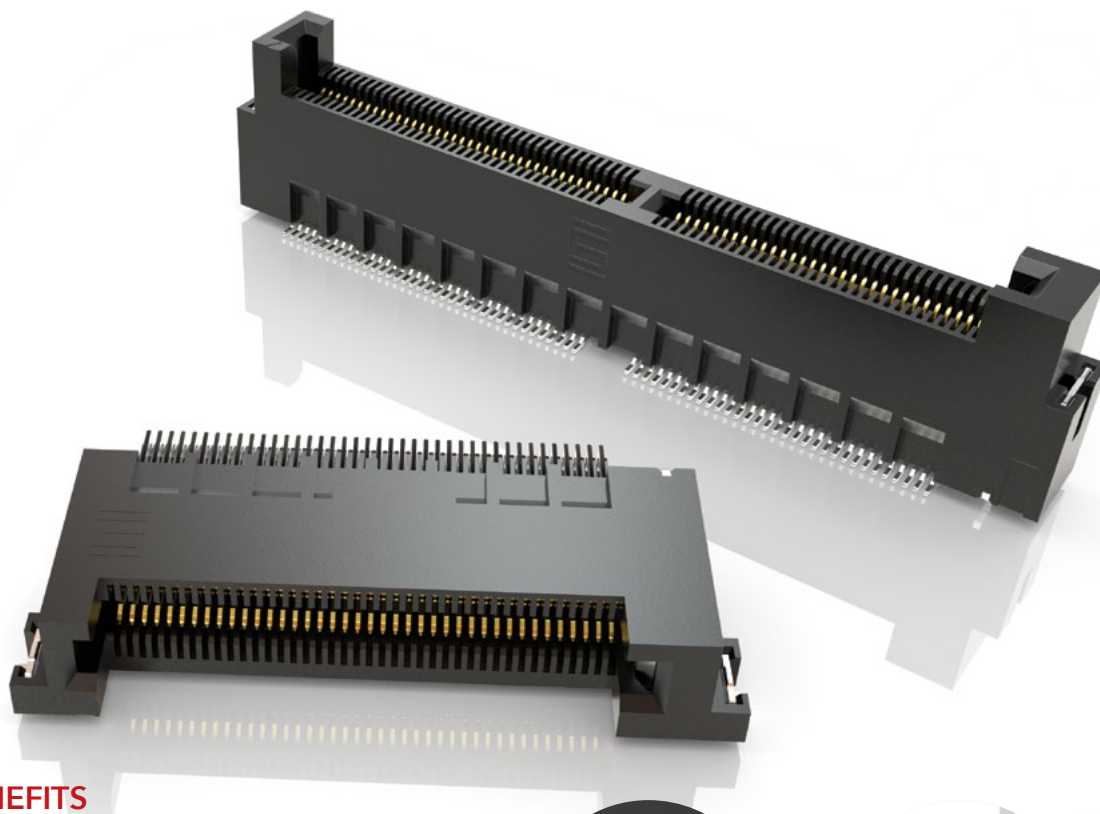


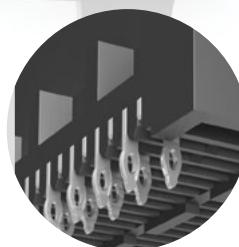
MICRO EDGE CARD SYSTEMS

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

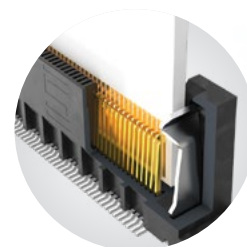


FEATURES & BENEFITS

- 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



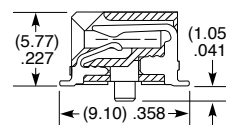
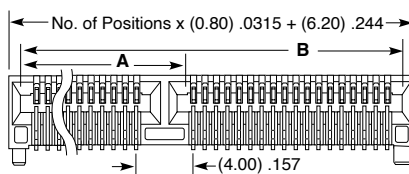
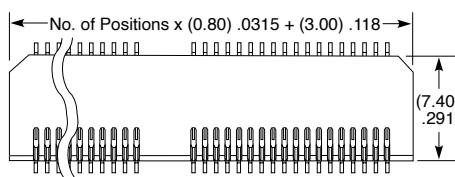
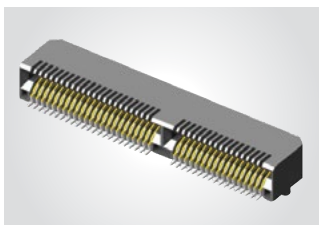
Staggered press-fit tails
(MEC8-VP)



Justification beam ensures
card and body are flush
(MEC5)

KEY SPECIFICATIONS

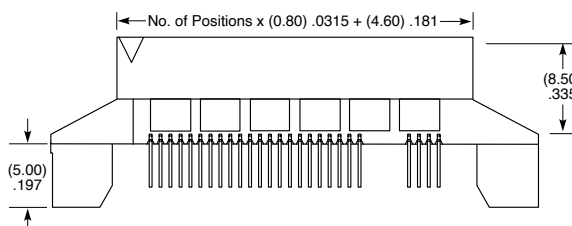
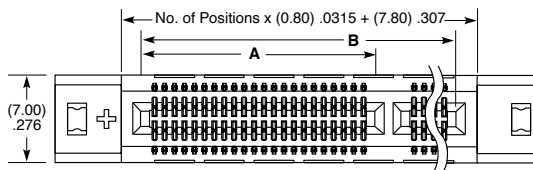
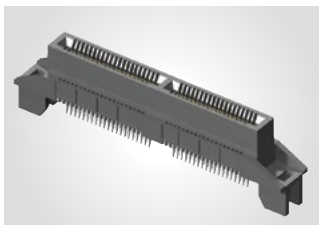
SERIES	PITCH	TOTAL POSITIONS	INSULATOR MATERIAL	CONTACT MATERIAL	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	LEAD-FREE SOLDERABLE
MEC5	0.50 mm	60-200	Black LCP	Phosphor Bronze	-55 °C to +125 °C	1.5 A (2 pins)	125 VAC	Yes
MEC6	0.635 mm	20-140	Black LCP	Phosphor Bronze	-55 °C to +125 °C	2.4 A (2 pins)	185 VAC	Yes
MEC8	0.80 mm	20-140	Black LCP	Phosphor Bronze	-55 °C to +125 °C	2.3 A (2 pins)	180 VAC	Yes
MEC1	1.00 mm	20-140	Black LCP	Phosphor Bronze	-55 °C to +125 °C	2.2 A (2 pins)	250 VAC	Yes
MECF	1.27 mm	10-100	Black/Natural LCP	BeCu	-55 °C to +125 °C	3.5 A (2 pins)	280 VAC	Yes
MEC2	2.00 mm	10-100	Black/Natural LCP	BeCu	-55 °C to +125 °C	3.5 A (2 pins)	235 VAC	Yes

(0.80 mm) .0315" PITCH • RIGHT-ANGLE/EDGE MOUNT EDGE CARD SOCKET**MEC8****1****POSITIONS PER ROW****02****PLATING
OPTION****D****RA1****"X"R**10, 13, 20,
25, 30, 37, 40,
49, 50-L
= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tailLeave blank
for Tray Packaging-TR
= Tape & Reel-FR
= Full Reel
Tape & Reel
(must order max.
quantity per reel;
contact Samtec for
quantity breaks)**MEC8-RA****Card Mates:**
(1.60 mm) .062"
thick card

POSITIONS PER ROW	A	B
13	(6.10) .240	(15.00) .591
25		(24.60) .969
37	(18.10) .713	(34.20) 1.346
40	(18.90) .744	(36.60) 1.441
49		(43.80) 1.724
50	(22.90) .902	(44.60) 1.756

View complete specifications at: samtec.com?MEC8-RA**MEC8****1****POSITIONS PER ROW****02****PLATING OPTION****D****EM2**

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

-L
= 10 μ " (0.25 μ m) Gold on contact,
Matte Tin on tail**MEC8-EM****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

Note:
Some sizes, styles and
options are non-standard,
non-returnable.View complete specifications at: samtec.com?MEC8-EM