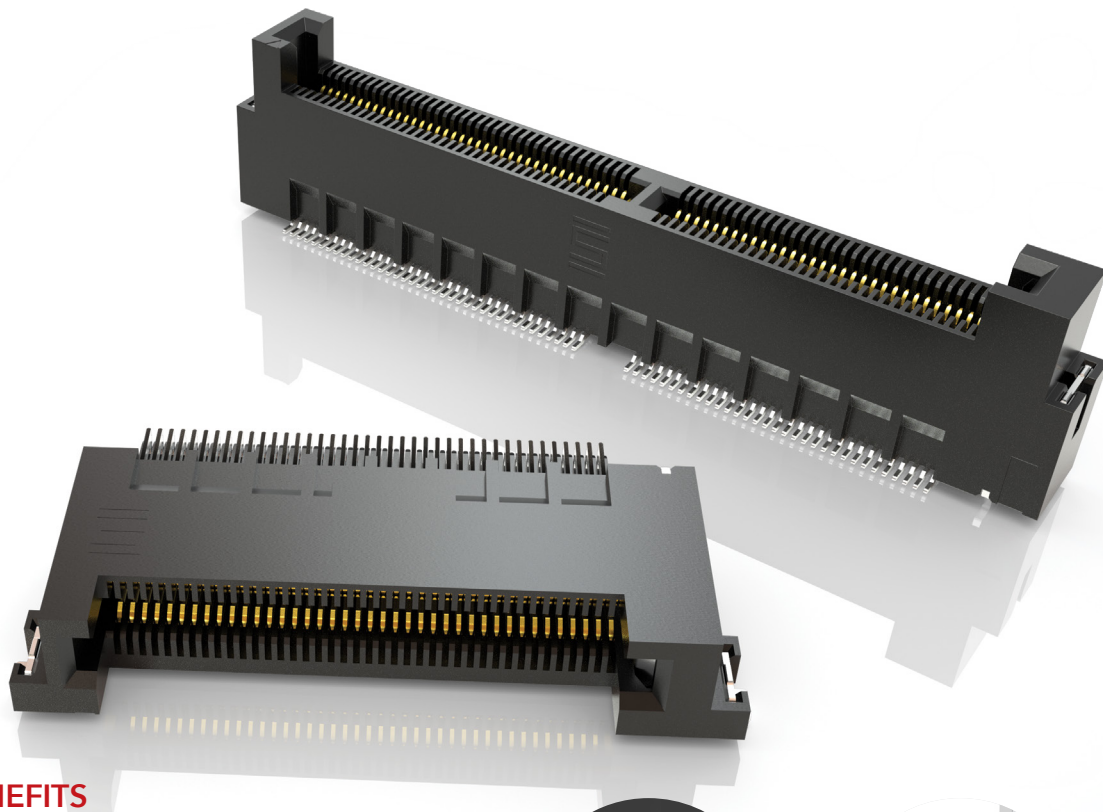


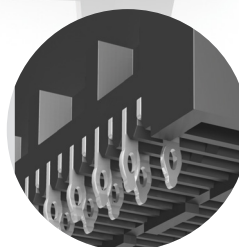
MICRO EDGE CARD SYSTEMS

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

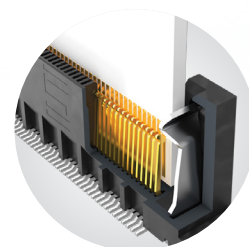


FEATURES & BENEFITS

- 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)

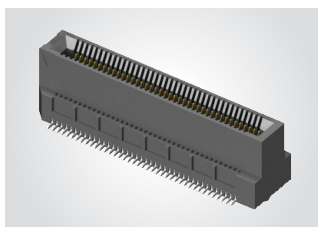


Justification beam ensures
card and body are flush
(MEC5)

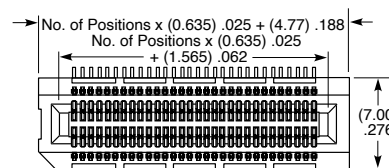
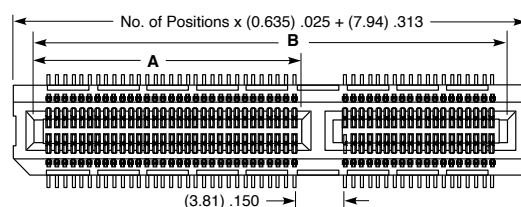
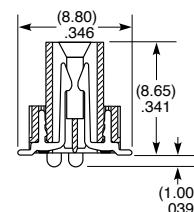
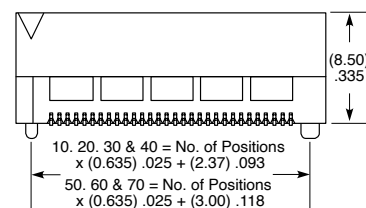
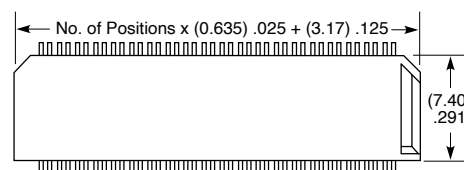
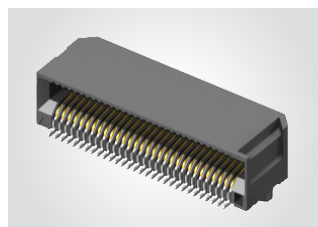
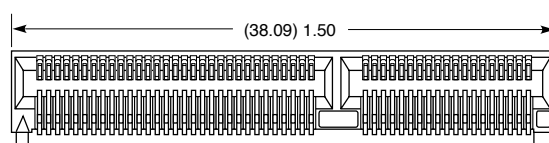
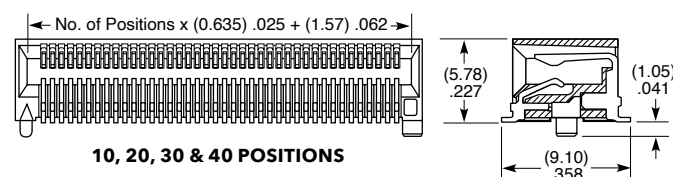
KEY SPECIFICATIONS

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

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(0.635 mm) .025" PITCH • VERTICAL AND RIGHT-ANGLE EDGE CARD SOCKET**MEC6****1****POSITIONS
PER ROW****02****PLATING
OPTION****DV****A****OPTION****"X"R****10, 20, 30, 40,
50, 60, 70****-L**
= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tail**-K**
= (5.50 mm) 2.17" DIA
Polyimide Pick
& Place PadLeave blank
for Tray Packaging**-TR**
= Tape & Reel**-FR**
= Full Reel
Tape & Reel
(must order max.
quantity per reel;
contact Samtec for
quantity breaks)**MEC6-DV****Card Mates:**
(1.60 mm) .062"
thick card

POSITIONS PER ROW	A	B
50	(21.06) .829	(36.49) 1.437
60	(24.87) .979	(42.84) 1.687
70	(28.68) 1.129	(49.19) 1.937

**10, 20, 30 & 40 POSITIONS****50, 60 & 70 POSITIONS**View complete specifications at: samtec.com?MEC6-DV**MEC6****1****POSITIONS
PER ROW****02****PLATING
OPTION****D****TAIL****OPTIONS****10, 20, 30,
40, 50****-L**
= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tail**-RA1**
= Right-angle**-TR**
= Tape & Reel**-FR**
= Full Reel Tape & Reel
(must order max. quantity
per reel; contact Samtec
for quantity breaks)**MEC6-RA****Card Mates:**
(1.60 mm) .062"
thick card**10, 20, 30 & 40 POSITIONS****50 POSITIONS****Note:**
Some sizes, styles and
options are non-standard,
non-returnable.View complete specifications at: samtec.com?MEC6-RA