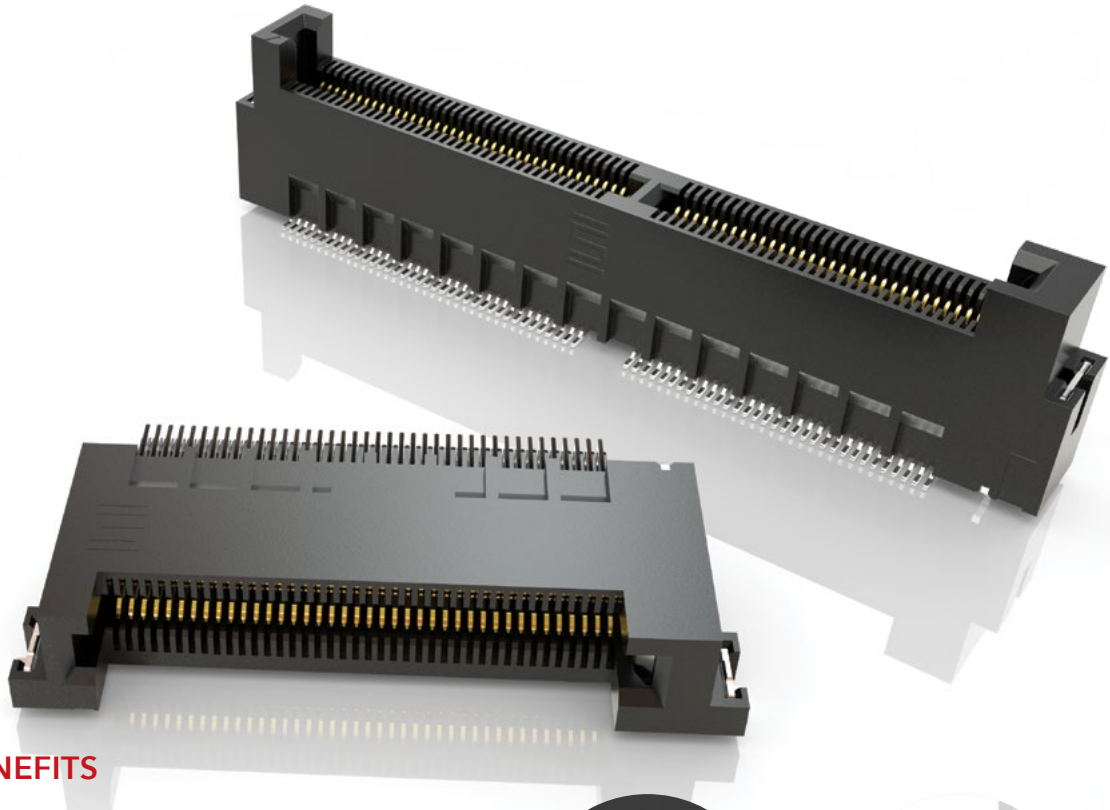


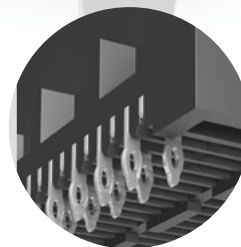
# MICRO EDGE CARD SYSTEMS

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

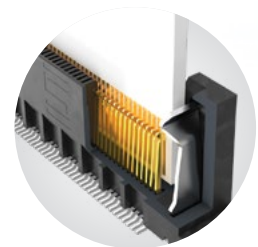


## FEATURES & BENEFITS

- Up to 56 Gbps PAM4
- PCI Express® 4.0 (MEC5 Series)
- Solutions for .062" (1.60 mm), and .093" (2.36 mm) 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, edge mount
- Available in surface mount and through-hole



Staggered press-fit tails  
(MEC8-VP)



Justification beam ensures  
card and body are flushed  
(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)	195 VAC	Yes
MEC8	0.80 mm	20-140	Black LCP	Phosphor Bronze	-55 °C to +125 °C	1.8 A (4 pins)	185 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)	238 VAC	Yes

**(1.00 mm) .0394" PITCH • MINI EDGE CARD SOCKET**

<b>MEC1</b>	<b>1</b>	<b>POSITIONS PER ROW</b>	<b>02</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>NP</b>	<b>OTHER OPTIONS</b>
-------------	----------	--------------------------	-----------	-----------------------	----------	-----------	----------------------

05, 08, 20, 30, 40,  
50, 60, 70

**-F**  
= Gold flash on contact, Matte Tin on tail

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

**-NP**  
= No Polarization (05, 08, 20 & 30 positions only)

Leave blank for polarization

**-A**  
= Alignment Pin metal or plastic at Samtec discretion

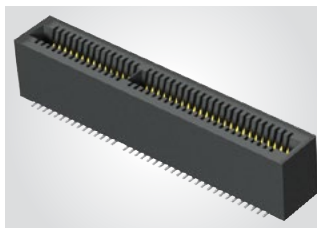
**-K**  
= (7.87 mm) .310" DIA Polyimide film Pick & Place Pad

**-TR**  
= Tape & Reel (05-60 only)

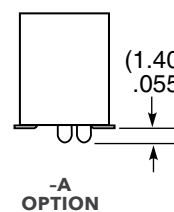
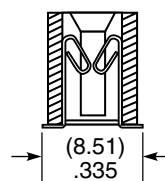
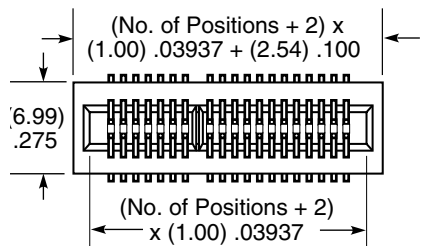
**-FR**  
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (05-60 only)

**MEC1**

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



POSITIONS PER ROW	POLARIZED POSITIONS (No Contact)
05	3, 4
08	5, 6
20	15, 16
30	21, 22
40	31, 32
50	41, 42
60	31, 32, 63 & 64
70	53, 54, 115 & 116



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

View complete specifications at: [samtec.com?MEC1](http://samtec.com?MEC1)

# Mouser Electronics

Authorized Distributor

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[MEC1-105-02-F-D-NP-A-K-TR](#) [MEC1-120-02-L-D-RA1-SL](#) [MEC1-130-02-F-D-EM2](#) [MEC1-130-02-L-D-A-K-TR](#) [MEC1-105-02-F-D-NP-A](#) [MEC1-108-02-S-D-RA1-SL](#) [MEC1-120-02-L-D-NP-A](#) [MEC1-130-02-F-D-A](#) [MEC1-170-02-F-D-RA1-SL](#) [MEC1-108-02-L-D-RA1-SL-TR](#) [MEC1-108-02-L-D-RA1-SL](#) [MEC1-150-02-L-D-A](#) [MEC1-140-02-L-D-A](#) [MEC1-105-02-S-D-A](#) [MEC1-150-02-L-D-A-K-TR](#) [MEC1-170-02-S-D-RA1-SL](#) [MEC1-170-02-F-D-A](#) [MEC1-108-02-S-D-A](#) [MEC1-140-02-S-D-A](#) [MEC1-108-02-F-D-NP-A](#) [MEC1-130-02-L-D-RA1-SL](#) [MEC1-140-02-L-D-A-K-TR](#) [MEC1-108-02-L-D-RA1-NP-SL](#) [MEC1-108-02-F-D-EM2](#) [MEC1-105-02-L-D-RA1-SL](#) [MEC1-120-02-F-D-RA1-SL](#) [MEC1-120-02-L-D](#) [MEC1-140-02-F-D-A](#) [MEC1-120-02-F-D-A](#) [MEC1-108-02-F-D-A](#) [MEC1-150-02-FM-D-A](#) [MEC1-150-02-F-D-A](#) [MEC1-160-02-L-D-A](#) [MEC1-120-02-F-D-A-K-TR](#) [MEC1-105-02-L-D-A](#) [MEC1-120-02-L-D-A-K-TR](#) [MEC1-120-02-L-D-A-TR](#) [MEC1-140-02-F-D-LC](#) [MEC1-150-02-S-D-A](#) [MEC1-150-02-F-D-RA1-SL](#) [MEC1-130-02-S-D-A-K-TR](#) [MEC1-108-02-L-D-A](#) [MEC1-130-02-L-D-A](#) [MEC1-160-02-S-D-A](#) [MEC1-108-02-L-D-NP-A](#) [MEC1-120-02-F-D-K-TR](#) [MEC1-150-02-L-D-EM2](#) [MEC1-108-02-L-D-EM2](#) [MEC1-108-02-F-D-RA1-SL](#) [MEC1-105-02-F-D-RA1-SL](#) [MEC1-120-02-S-D-RA1-SL](#) [MEC1-120-02-L-D-A](#) [MEC1-120-02-F-D-EM2](#) [MEC1-160-02-L-D-A-K-TR](#) [MEC1-130-02-F-D-RA1-SL](#) [MEC1-120-02-S-D-A](#) [MEC1-108-02-S-D-A-K-TR](#) [MEC1-120-02-L-D-NP-A-K-TR](#) [MEC1-105-02-L-D](#) [MEC1-105-02-F-D-A](#) [MEC1-105-02-F-D-A-K-TR](#) [MEC1-110-02-F-D-K-TR](#) [MEC1-120-02-F-D-NP-TR](#) [MEC1-108-02-F-D-TR](#) [MEC1-105-02-FM-D-RA1-NP-SL-TR](#) [MEC1-108-02-L-D-K-TR](#) [MEC1-120-02-F-D-A-TR](#) [MEC1-105-02-L-D-A-K-TR](#) [MEC1-108-02-L-D-NP-A-K-TR](#) [MEC1-105-02-F-D-NP](#) [MEC1-105-02-L-D-NP-K-TR](#) [MEC1-110-02-F-D-A-K-TR](#) [MEC1-108-02-FM-D-NP-K-TR](#) [MEC1-105-02-F-D-EM2-NP](#) [MEC1-108-02-F-D-NP](#) [MEC1-105-02-L-D-NP](#) [MEC1-120-02-F-D-NP-K-TR](#) [MEC1-110-02-F-D-A](#) [MEC1-105-02-F-D-K-TR](#) [MEC1-105-02-F-D-NP-A-K](#) [MEC1-110-02-L-D-NP-A](#) [MEC1-105-02-L-D-EM2-NP-TR](#) [MEC1-130-02-L-D-RA2-SL-TR](#) [MEC1-120-02-L-D-RA1-NP-SL-TR](#) [MEC1-110-02-L-D](#) [MEC1-110-02-S-D-A-K-TR](#) [MEC1-130-02-L-D-NP-K](#) [MEC1-150-02-F-D-EM2-TR](#) [MEC1-160-02-S-D-LC-TR](#) [MEC1-108-02-S-D-NP-A](#) [MEC1-170-02-S-D-EM2](#) [MEC1-140-02-S-D-LC-TR](#) [MEC1-120-02-S-D-EM2-NP](#) [MEC1-120-02-S-D-A-K-TR](#) [MEC1-110-02-F-D](#)