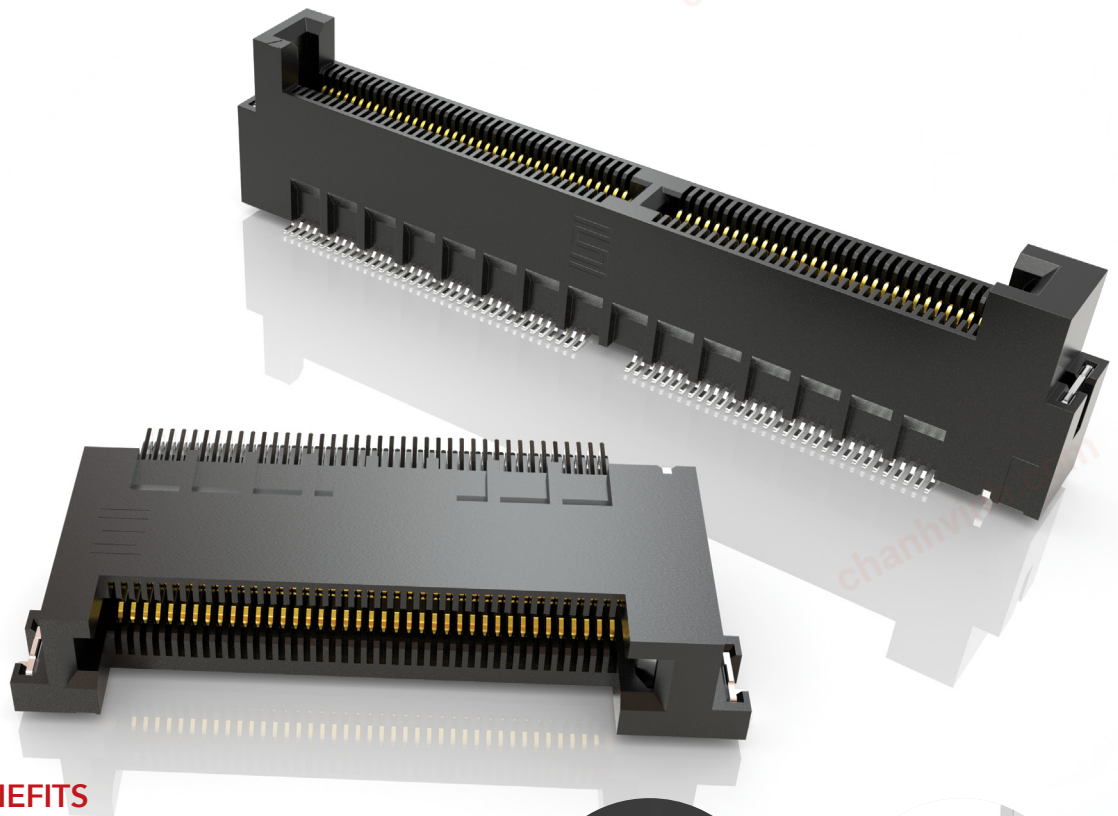
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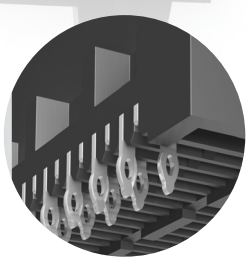
MICRO EDGE CARD SYSTEMS

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

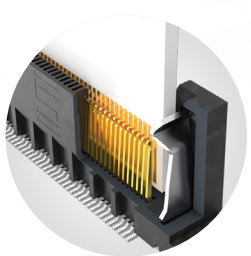


FEATURES & BENEFITS

- 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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Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

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25 Gbps

(1.27 mm) .050" PITCH • MINI EDGE CARD SOCKET

MECF	–	POSITIONS PER ROW	–	CARD THICKNESS	–	PLATING OPTION	–	DV	–	OPTION	–	"X"R

POSITIONS PER ROW: –05, –08, –20, –30, –40, –50

CARD THICKNESS:
–01 = (1.60 mm) .062" thick card
–02 = (2.36 mm) .093" thick card

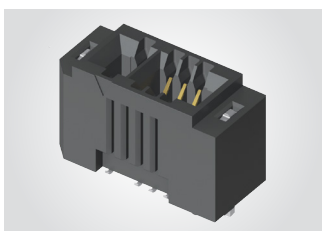
PLATING OPTION:
–L =10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

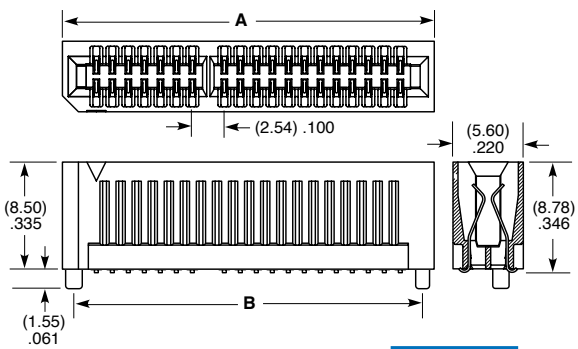
OPTION:
–WT = Weld Tabs (Standard on –02 card thickness, optional on –01 card thickness)
–K Polyimide film pick & place pad (–"X"R only)

"X"R:
Leave blank for Tube Packaging
–TR = Tape & Reel
–FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

MECF

Card Mates:
(1.60 mm) .062" thick card
(2.36 mm) .093" thick card





POSITIONS PER ROW	A	B
–05	(10.46) .412	(8.64) .340
–08	(14.27) .562	(12.45) .490
–20	(29.51) 1.162	(27.69) 1.090
–30	(42.21) 1.662	(40.39) 1.590
–40	(54.91) 2.162	(53.09) 2.090
–50	(67.61) 2.662	(65.79) 2.590

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

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

14 Gbps

(2.00 mm) .0787" PITCH • MINI EDGE CARD SOCKET

MEC2	–	POSITIONS PER ROW	–	CARD THICKNESS	–	PLATING OPTION	–	TAIL OPTION	–	OPTION	–	"X"R

POSITIONS PER ROW: –05, –08, –20, –30, –40, –50

CARD THICKNESS:
–01 = (1.60 mm) .062" thick card
–02 = (2.36 mm) .093" thick card (-DV option only)

PLATING OPTION:
–L =10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

TAIL OPTION:
–DV Vertical Surface Mount
–TH1 Through-hole

OPTION:
–WT = Weld Tabs (standard on –02 card, optional on –01 card)
–K = Polyimide film pick & place pad (–"X"R & –DV only)

"X"R:
Leave blank for Tube Packaging
–TR = Tape & Reel (05 thru 30 positions only) (Not available with -TH1)
–FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (05 thru 30 positions only) (Not available with -TH1)

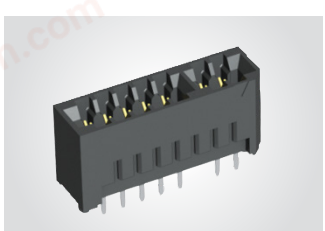
MEC2-DV

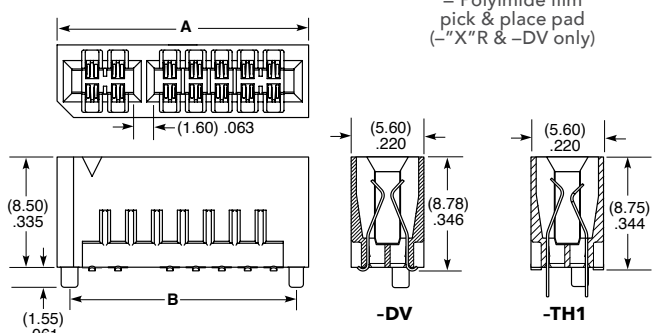
Card Mates:
(1.60 mm) .062" thick card
(2.36 mm) .093" thick card



MEC2-TH

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





POSITIONS PER ROW	A	B
–05	(13.40) .528	(11.50) .453
–08	(19.40) .764	(17.50) .689
–20	(43.40) 1.709	(41.50) 1.634
–30	(63.40) 2.496	(61.50) 2.421
–40	(83.40) 3.283	(81.50) 3.209
–50	(103.40) 4.071	(101.50) 3.996

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

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

View complete specifications at: samtec.com?MEC2-DV & samtec.com?MEC2-TH

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