

MEC8-DV SERIES

(0.80 mm) .0315"

VERTICAL MICRO EDGE CARD SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MEC8-DV

Insulator Material:
Black LCP

Contact Material:
Phosphor Bronze

Plating:
Au or Sn over
50 μm (1.27 μm) Ni

Operating Temp Range:
-55 °C to +125 °C

Insertion Depth:
(4.22 mm) .166" to
(5.66 mm) .223"

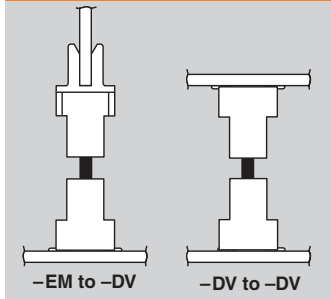
Current Rating:
1.8 A per pin
(4 adjacent pins powered)

Voltage Rating:
185 VAC

RoHS Compliant:
Yes

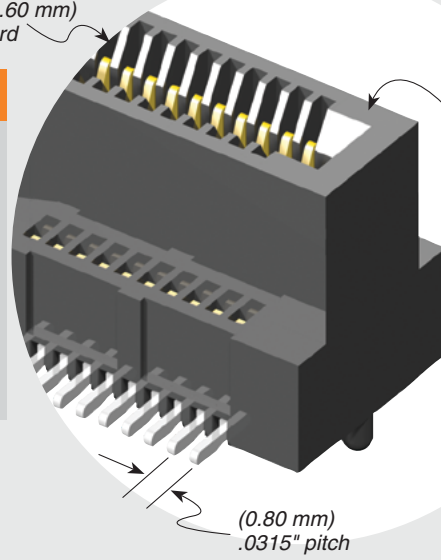
Mates with:
(1.60 mm) .062"
thick card

APPLICATIONS



Mates with (1.60 mm)
.062" thick card

Variety of
lead counts



(0.80 mm)
.0315" pitch

HIGH-SPEED CHANNEL PERFORMANCE

MEC8-DV

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com
or contact SIG@samtec.com

25
Gbps

PROCESSING

Lead-Free Solderable:
Yes

SMT Lead Coplanarity:
(0.10 mm) .004" max (10-50)
(0.15 mm) .006" max (60-70)*
*(.004" stencil solution
may be available; contact
IPG@samtec.com)

RECOGNITIONS

For complete scope of
recognitions see
www.samtec.com/quality



ALSO AVAILABLE (MOQ Required)

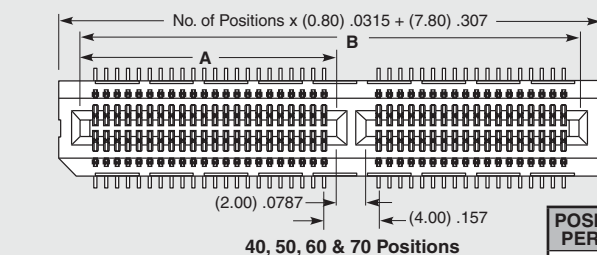
- 1 mm mating card thickness option
- Locking clip (Manual placement required)

MEC8 - **1** POSITIONS PER ROW - **02** PLATING OPTION - **DV** - **OTHER OPTION**

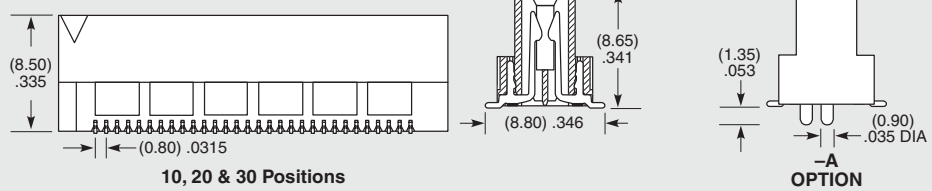
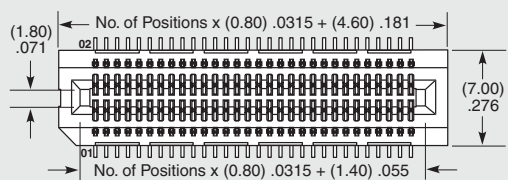
10, 20, 30, 40, 50, 60, 70

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

-A
= Alignment Pin
-K
= (5.50 mm) .217" DIA Polyimide Pick & Place Pad



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



OTHER SOLUTIONS

- Right-angle
- Edge Mount

See samtec.com?MEC8-RA or samtec.com?MEC8-EM

Notes:
While optimized for 50 Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75 Ω applications.
Some sizes, styles and options are non-standard, non-returnable.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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