

**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](http://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"

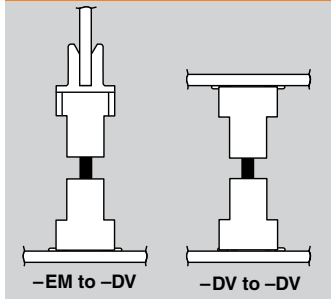
**Current Rating:**  
1.8 A per pin  
(6 adjacent pins powered)

**Voltage Rating:**  
185 VAC

**RoHS Compliant:**  
Yes

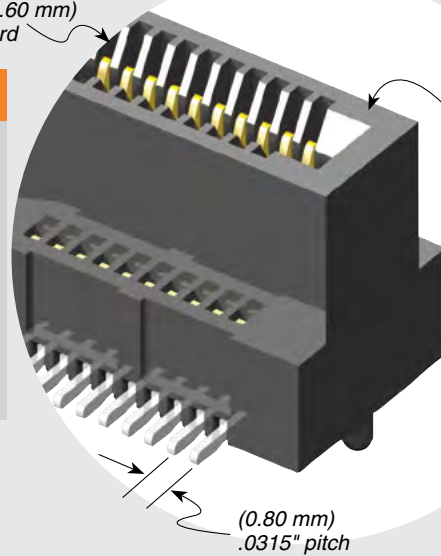
**Mates with:**  
(1.60 mm) .062"  
thick card

## APPLICATIONS



Mates with (1.60 mm)  
.062" thick card

Variety of  
lead counts



## HIGH-SPEED CHANNEL PERFORMANCE

MEC8-DV

Rating based on Samtec reference channel.  
For full SI performance data visit [Samtec.com](http://Samtec.com)  
or contact [SIG@samtec.com](mailto:SIG@samtec.com)

**24**  
Gbps

## PROCESSING

**Lead-Free Solderable:**  
Yes

**SMT Lead Coplanarity:**  
(0.10 mm) .004" max (10-50)  
(0.15 mm) .006" max (60-70)

## RECOGNITIONS

For complete scope of  
recognitions see  
[www.samtec.com/quality](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

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

## OTHER SOLUTIONS

- Right-angle
  - Edge Mount
- See [samtec.com?MEC8-RA](http://samtec.com?MEC8-RA)  
or [samtec.com?MEC8-EM](http://samtec.com?MEC8-EM)

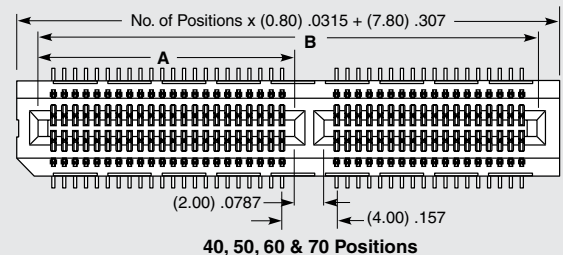
**Notes:**  
While optimized for 50 Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75 Ω applications. Contact Samtec for further information.  
Some sizes, styles and options are non-standard, non-returnable.



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

