

(0.80 mm) .0315"

MEC8-DV SERIES

# 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"

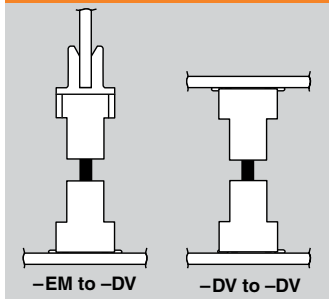
**Current Rating:**  
1.8 A per pin  
(4 adjacent pins powered)

**Voltage Rating:**  
185 VAC

**RoHS Compliant:**  
Yes

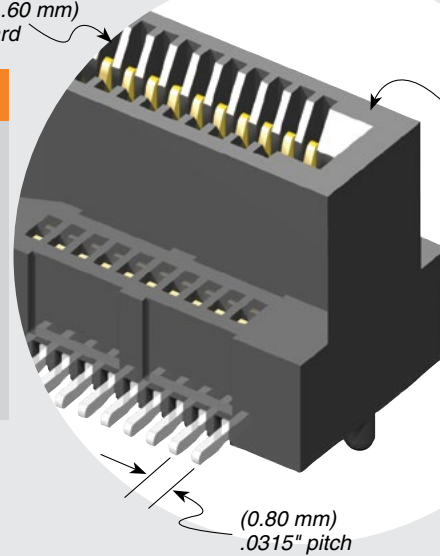
Mates with:  
(1.60 mm) .062"  
thick card

## 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](http://Samtec.com)  
or contact [SIG@samtec.com](mailto: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](mailto:IPG@samtec.com))

## RECOGNITIONS

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



FILE NO. E111594

## ALSO AVAILABLE (MOQ Required)

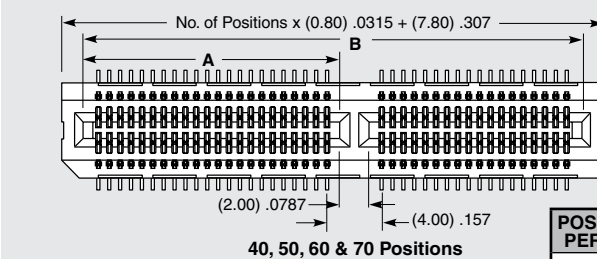
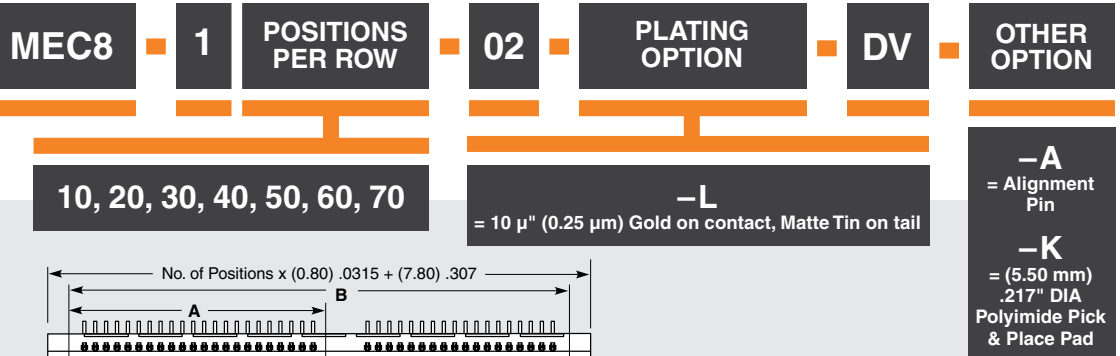
- 1 mm mating card thickness option
- Locking clip (Manual placement required)

Contact Samtec.

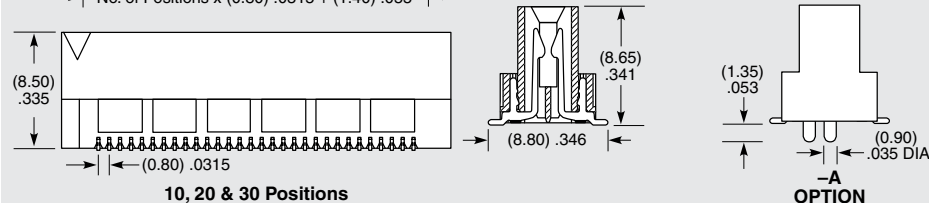
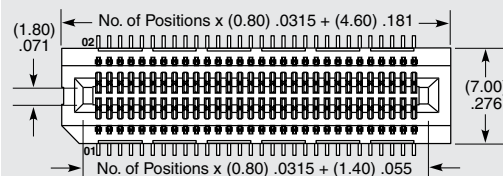
## Notes:

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.



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](http://samtec.com?MEC8-RA)  
or [samtec.com?MEC8-EM](http://samtec.com?MEC8-EM)

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.  
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.