

(0.635 mm) .025"

MEC6-DV SERIES

# VERTICAL MICRO EDGE CARD SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MEC6-DV](http://www.samtec.com?MEC6-DV)

### Insulator Material:

Black LCP

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over

50  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-55 °C to +125 °C

### Insertion Depth:

(4.22 mm) .166" to

(5.66 mm) .223"

### Current Rating:

2.4 A per pin

(2 pins powered)

### Voltage Rating:

210 VAC

### RoHS Compliant:

Yes

### Mates with:

(1.60 mm) .062" thick card

Mates with (1.60 mm)  
.062" thick card

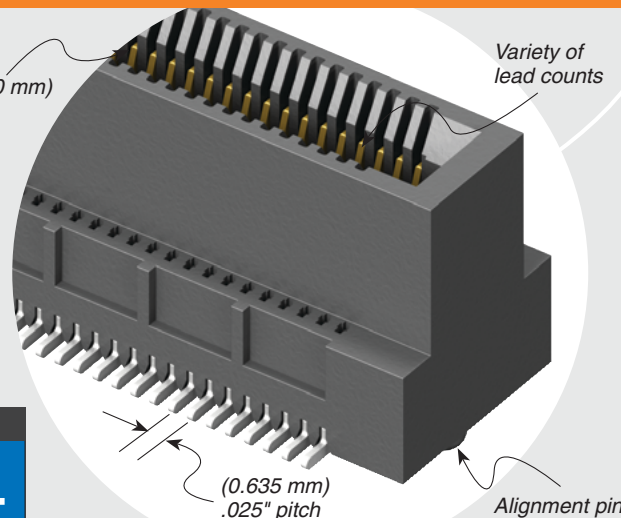
Variety of  
lead counts

## HIGH-SPEED CHANNEL PERFORMANCE

MEC6-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)

14  
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](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

- Locking Clip (Manual placement required)
- Other platings

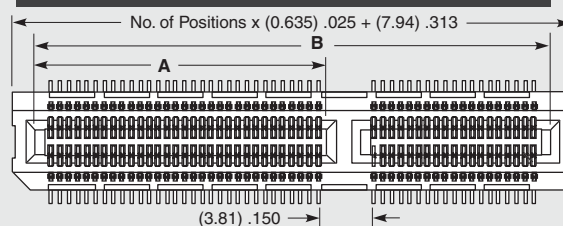
### Notes:

While optimized for 50  $\Omega$  applications, this connector with alternative signal/ground patterns may also perform well in certain 75  $\Omega$  applications.

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

MEC6 - 1 - POSITIONS PER ROW - 02 - PLATING OPTION - DV - A - OPTION

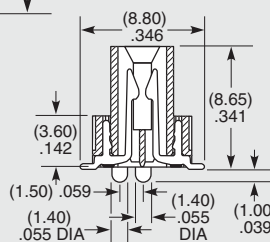
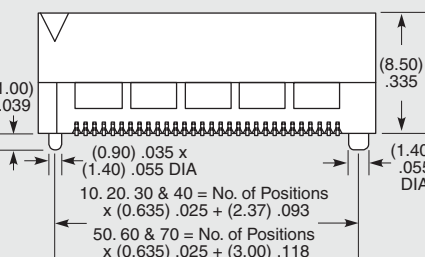
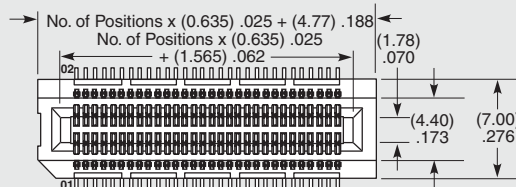
10, 20, 30, 40, 50, 60, 70



-L  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold on contact,  
Matte Tin on tail

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

-TR  
= Tape & Reel



POSITIONS PER ROW	A	B
50	(21.06) .829	(36.49) 1.437
60	(24.87) .979	(42.84) 1.687
70	(28.68) 1.129	(49.19) 1.937

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.

# Mouser Electronics

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[MEC6-130-02-L-DV-A-K-TR](#)