

(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 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:**

2.4 A per pin

(2 pins powered)

**Voltage Rating:**

210 VAC

**RoHS Compliant:**

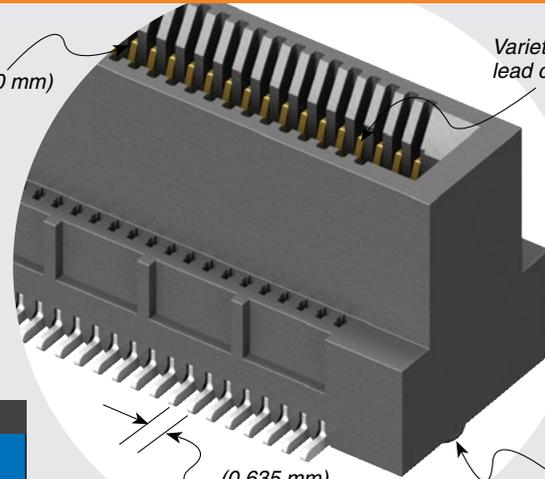
Yes

**Mates with:**

(1.60 mm) .062" thick card

Mates with (1.60 mm) .062" thick card

Variety of lead counts



Alignment pin

(0.635 mm) .025" pitch

### 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](mailto:IPG@samtec.com))

## RECOGNITIONS

For complete scope of recognitions see

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



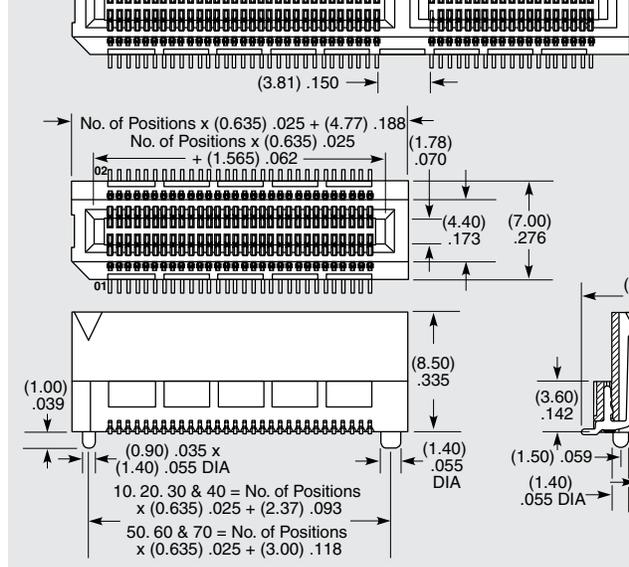
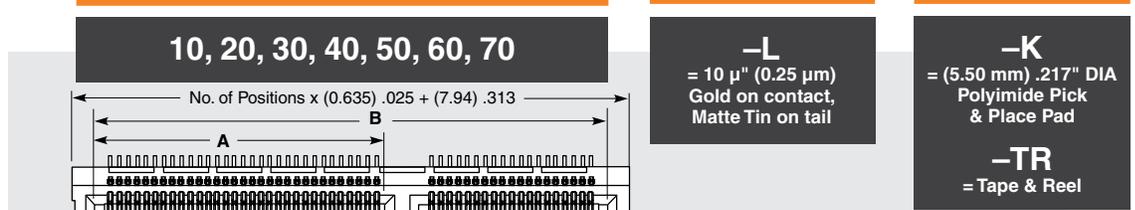
## ALSO AVAILABLE (MOQ Required)

- Locking Clip (Manual placement required)
- Other platings
- 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
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.