

(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

50µ" (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:**

1.7 A per pin

(6 adjacent pins powered)

**Voltage Rating:**

210 VAC

**RoHS Compliant:**

Yes

**Processing:**

Lead-Free Solderable:

Yes

**SMT Lead Coplanarity:**

(0,10 mm) .004" max (10-50)

(0,15 mm) .006" max (60-70)

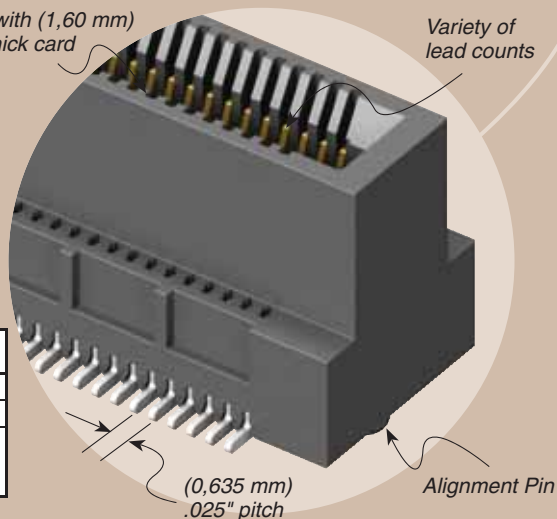
Mates with:  
(1,60 mm) .062" thick cards

Mates with (1,60 mm)  
.062" thick card

Variety of  
lead counts

MEC6-DV 8,65 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	7.5 GHz / 15 Gbps
Differential Pair Signaling	7.0 GHz / 14 Gbps

\*Performance data includes effects of a non-optimized PCB.  
Complete test data available at [www.samtec.com?MEC6-DV](http://www.samtec.com?MEC6-DV) or contact [sig@samtec.com](mailto:sig@samtec.com)



(0,635 mm)  
.025" pitch

Alignment Pin

## RECOGNITIONS

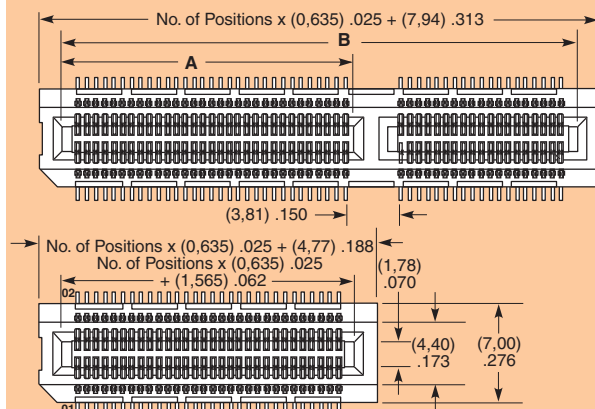
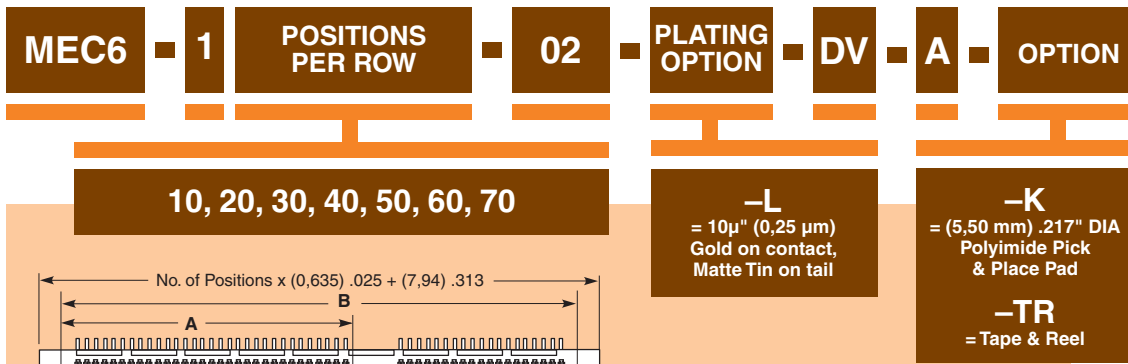
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



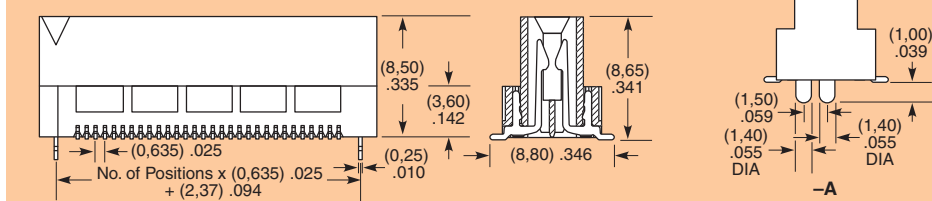
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## ALSO AVAILABLE (MOQ Required)

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



POSITIONS PER ROW	A	B
50	(22,96) .904	(36,49) 1.437
60	(24,87) .979	(42,84) 1.687
70	(28,68) 1.129	(49,19) 1.937



**Note:** While optimized for 50Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75Ω applications. Contact Samtec for further information.

**Note:** 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.

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