

**MEC6-RA SERIES**

**(0,635 mm) .025"**

# RIGHT ANGLE MICRO EDGE CARD SOCKET

## SPECIFICATIONS

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

**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:**

3.2 A per pin

(6 adjacent pins powered)

**Voltage Rating:**

195 VAC

**RoHS Compliant:**

Yes

**Processing:**

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

(0,10 mm) .004" max (10-30)

(0,15 mm) .006" max (40-50)

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

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Variety of  
lead counts

(0,635 mm)  
.025" pitch

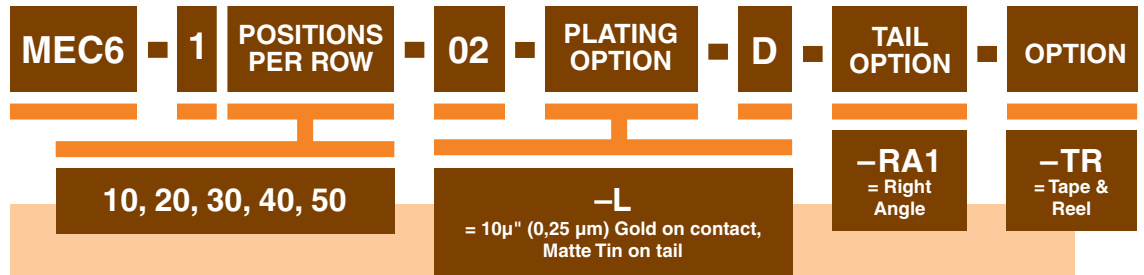
Standard  
Alignment Pins

MEC6-RA	Rated @ 3dB Insertion Loss	
	with PCB effects*	w/o PCB effects**
Single-Ended Signaling	7.0 GHz / 14 Gbps	10.0 GHz / 20 Gbps
Differential Pair Signaling	7.0 GHz / 14 Gbps	11.0 GHz / 22 Gbps

\*Performance data includes effects of a non-optimized PCB.  
\*\*Test board losses de-embedded from performance data.  
Complete test data available at [www.samtec.com?MEC6-RA](http://www.samtec.com?MEC6-RA) or contact [sig@samtec.com](mailto:sig@samtec.com)

## RECOGNITIONS

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

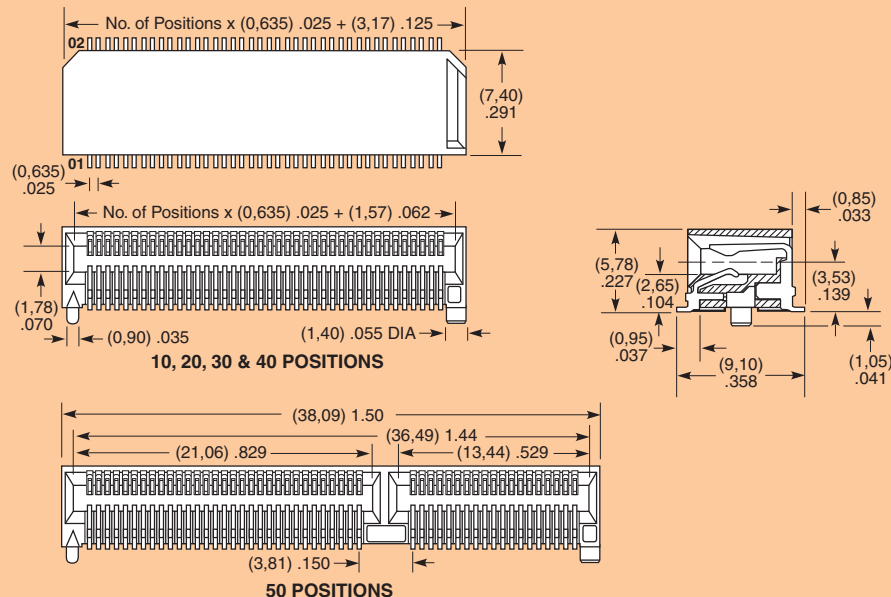


## ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

**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)