

(0.635 mm) .025"

MEC6-150-02-L-D-RA1

MEC6-120-02-L-D-RA1

MEC6-130-02-L-D-RA1

MEC6-RA SERIES

# 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

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:

195 VAC

### RoHS Compliant:

Yes

### Mates with:

(1.60 mm) .062" thick card

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(1.60 mm) .062"  
thick card

Variety of  
lead counts

## HIGH-SPEED CHANNEL PERFORMANCE

MEC6-RA

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

(0.635 mm)  
.025" pitch

Standard  
alignment pins

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max (10-30)

(0.15 mm) .006" max (40-50)\*

\*(.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)



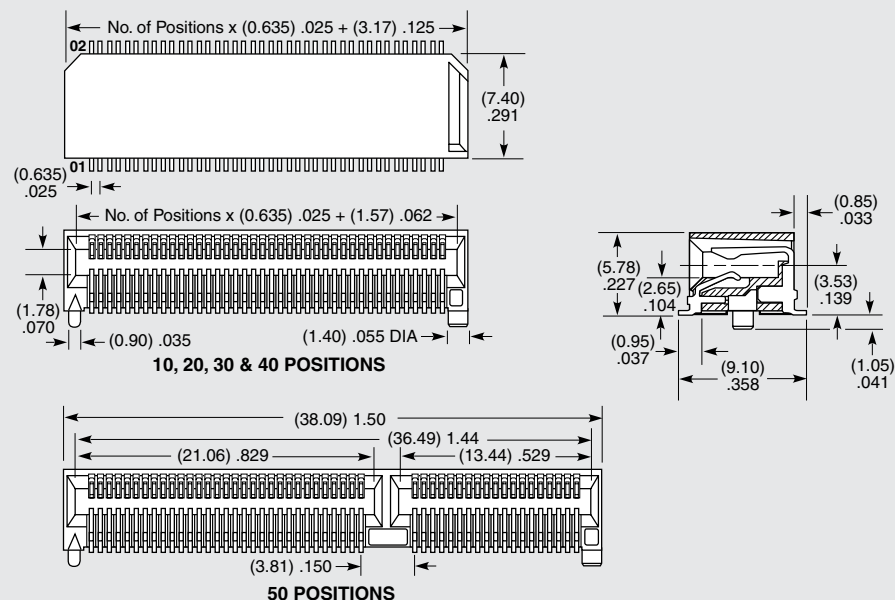
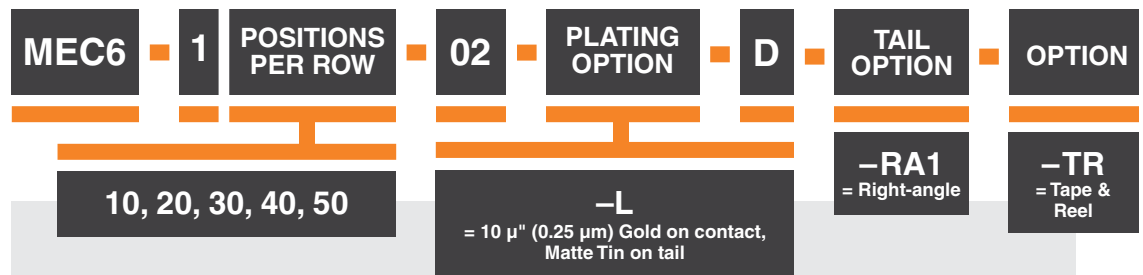
## ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

### Notes:

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

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)

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.