



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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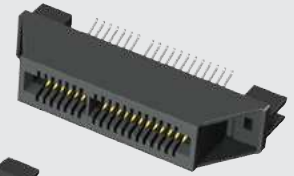
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



MEC1-130-02-L-D-EM2



MEC1-120-02-L-D-RA1-SL



MEC1-120-02-F-D-EM2

(1.00 mm) .0394"

MEC1-RA, MEC1-EM SERIES

# RIGHT-ANGLE/EDGE MOUNT SOCKETS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MEC1-RA](http://www.samtec.com?MEC1-RA)

**Insulator Material:** Black LCP  
**Contact Material:** Phosphor Bronze  
**Plating:** Au or Sn over 50 μ" (1.27 μm) Ni  
**Current Rating:** 1.6 A per pin (2 adjacent pins powered)  
**Operating Temp Range:** -55 °C to +125 °C  
**Insertion Depth:** (5.84 mm) .230" to (8.13 mm) .320"  
**RoHS Compliant:** Yes

## PROCESSING

**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0.10 mm) .004" max (05-40) (0.15 mm) .006" max (50-70)

## RECOGNITIONS

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



**MEC1** - **1** POSITIONS PER ROW - **CARD SLOT** - **PLATING OPTION** - **D** - **RA1** - **NP** - **SL**

Mates with:  
(1.60 mm)  
.062" card

05, 08, 20, 30,  
40, 50, 60, 70

-02  
= (1.60 mm)  
.062" thick card

-F  
= Gold flash on contact,  
Matte Tin on tail

-L  
= 10 μ" (0.25 μm)  
Gold on contact,  
Matte Tin on tail

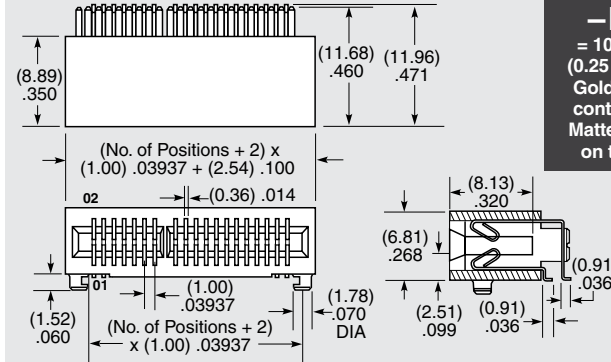
POSITIONS PER ROW	POLARIZED POSITIONS
05	3, 4
08	5, 6
20	15, 16
30	21, 22
40	31, 32
50	41, 42
60	31, 32, 63 & 64
70	53, 54, 115 & 116

-NP  
= No Polarization  
(8 positions only)  
Leave Blank for polarization

**ALSO AVAILABLE**  
(MOQ Required)

- Elevated body height
  - Other platings
- Contact Samtec.

**Note:** 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.



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

## HIGH-SPEED CHANNEL PERFORMANCE

**MEC1-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)

**15**  
Gbps

## APPLICATION

Samtec recommends that pads on the mating board be Gold plated.

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MEC1-EM](http://www.samtec.com?MEC1-EM)

**Insulator Material:** Black LCP  
**Contact Material:** Phosphor Bronze  
**Plating:** Au or Sn over 50 μ" (1.27 μm) Ni  
**Current Rating:** 1.8 A per pin (2 adjacent pins powered)  
**Operating Temp Range:** -55 °C to +125 °C  
**Insertion Depth:** (5.84 mm) .230" to (8.13 mm) .320"  
**RoHS Compliant:** Yes  
**Lead-Free Solderable:** Yes

## RECOGNITIONS

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



**MEC1** - **1** POSITIONS PER ROW - **02** - **PLATING OPTION** - **D** - **EM2** - **NP**

Mates with:  
(1.60 mm)  
.062" card

05, 08, 20, 30,  
40, 50, 60, 70

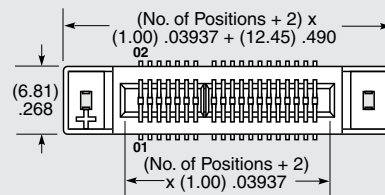
-F  
= Gold flash on contact,  
Matte Tin on tail

-L  
= 10 μ" (0.25 μm) Gold on contact,  
Matte Tin on tail

-NP  
= No Polarization  
(8 positions only)  
Leave Blank for polarization

**ALSO AVAILABLE**  
(MOQ Required)

- Edge mount leads for (0.80 mm) .031" thick board
  - Other platings
- Contact Samtec.



**Note:** 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.

POSITIONS PER ROW	POLARIZED POSITIONS
05	3, 4
08	5, 6
20	15, 16
30	21, 22
40	31, 32
50	41, 42
60	31, 32, 63 & 64
70	53, 54, 115 & 116

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

