

(0,80mm) .0315"

MEC8-RA, MEC8-EM SERIES

# RIGHT ANGLE/EDGE MOUNT SOCKETS

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

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MEC8-RA](http://www.samtec.com?MEC8-RA)

**Insulator Material:** Black LCP  
**Contact Material:** Phosphor Bronze

**Plating:** Au or Sn over 50µ" (1,27µm) Ni

**Operating Temp Range:** -55°C to +125°C

**Insertion Depth:** (3,94mm) .155" to (6,25mm) .246"

**Current Rating:** 1.8A @ 30°C Temperature Rise

**Voltage Rating:** 265 VAC

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Yes

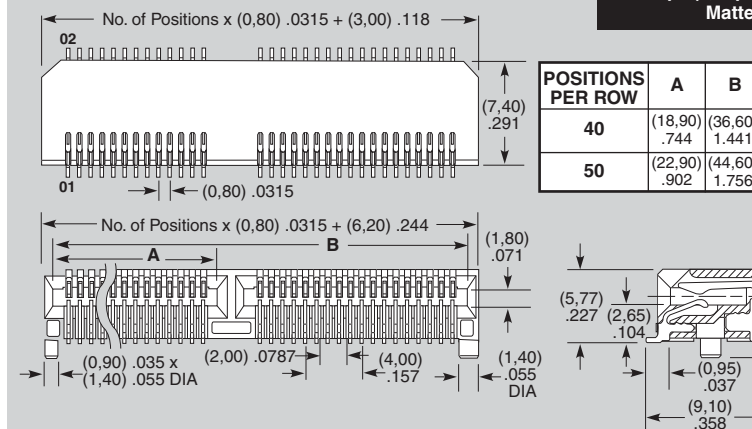
**Note:** Some sizes, styles and options are non-standard, non-returnable.

MEC8 - 1 POSITIONS PER ROW - 02 PLATING OPTION - D - RA1 - OTHER OPTION

10, 13, 20, 25, 30, 37, 40, 49, 50

-L  
= 10µ" (0,25µm) Gold on contact, Matte Tin on tail

-TR  
= Tape & Reel Packaging



| POSITIONS PER ROW | A            | B             |
|-------------------|--------------|---------------|
| 40                | (18,90) .744 | (36,60) 1.441 |
| 50                | (22,90) .902 | (44,60) 1.756 |

| 0,80mm MEC8-RA              | Rated @ 3dB Insertion Loss |
|-----------------------------|----------------------------|
| 5,78mm Stack Height         |                            |
| Single-Ended Signaling      | 6.5 GHz / 13 Gbps          |
| Differential Pair Signaling | 8.0 GHz / 16 Gbps          |

For complete test data go to [www.samtec.com?MEC8-RA](http://www.samtec.com?MEC8-RA) or contact [sig@samtec.com](mailto:sig@samtec.com)

## APPLICATION SPECIFIC OPTION

- 1mm mating card thickness option
  - Latching option (mates with EEDP series)
- Call Samtec.

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

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MEC8-EM](http://www.samtec.com?MEC8-EM)

**Insulator Material:** Black LCP  
**Contact Material:** Phosphor Bronze

**Plating:** Au or Sn over 50µ" (1,27µm) Ni

**Operating Temp Range:** -55°C to +125°C

**Insertion Depth:** (4,32mm) .170" to (5,66mm) .223"

**Current Rating:** 1.8A @ 30°C Temperature Rise

**Voltage Rating:** 265 VAC

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Yes

**Lead-Free Solderable:** Yes

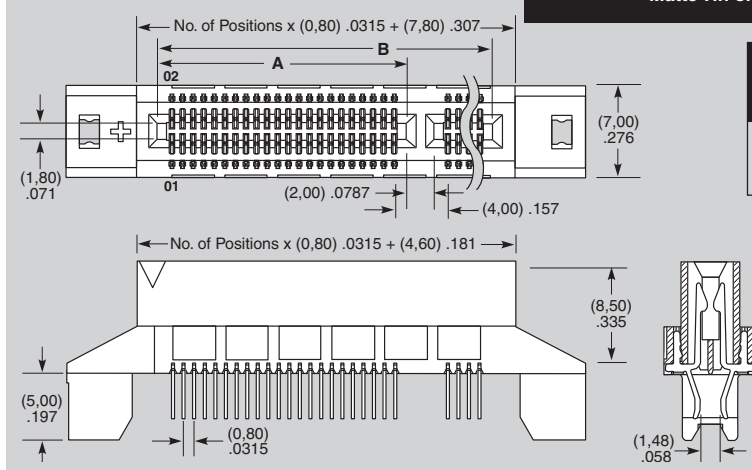
**Note:** Some sizes, styles and options are non-standard, non-returnable.

MEC8 - 1 POSITIONS PER ROW - 02 PLATING OPTION - D - -EM2

10, 20, 30, 40, 50, 60, 70

-L  
= 10µ" (0,25µm) Gold on contact, Matte Tin on tail

-EM2  
= (1,60mm) .062" thick PCB



## APPLICATION SPECIFIC OPTION

1mm mating card thickness option.  
Call Samtec.

| POSITIONS PER ROW | A             | B             |
|-------------------|---------------|---------------|
| 40                | (18,90) .744  | (36,60) 1.441 |
| 50                | (22,90) .902  | (44,60) 1.756 |
| 60                | (26,90) 1.059 | (52,60) 2.071 |
| 70                | (30,90) 1.217 | (60,60) 2.386 |

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM