



MEC1-120-02-F-D-EM2

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

(1,00mm) .03937"

MEC1-RA, MEC1-EM SERIES

RIGHT ANGLE/EDGE MOUNT SOCKETS

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

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MEC1-RA

Insulator Material: Black LCP
Contact Material: Phosphor Bronze
Plating: Au or Sn over 50µ" (1,27µm) Ni
Current Rating: 1.5A @ 80°C (See website for details)
Operating Temp Range: -55°C to +125°C
Insertion Depth: (5,84mm) .230" to (8,13mm) .320"
RoHS Compliant: Yes



Processing:
Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x
Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0,10mm) .004" max (05-40) (0,15mm) .006" max (50-70)

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



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

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

-02
= (1,60mm) .062" thick card

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

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

APPLICATION SPECIFIC OPTION

- Elevated body height
- Non-polarized

Call Samtec.

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

1mm MEC1-RA

Rated @ -3dB Insertion Loss

6,81mm Stack Height

Single-Ended Signaling	4.5 GHz / 9 Gbps
Differential Pair Signaling	5.5 GHz / 11 Gbps

Complete test data available at www.samtec.com?MEC1-RA or contact sig@samtec.com

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

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

SPECIFICATIONS

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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: (5,84mm) .230" to (8,13mm) .320"
RoHS Compliant: Yes



Processing:
Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x
Lead-Free Solderable: Yes

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



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

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

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

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

APPLICATION SPECIFIC OPTION

- Edge mount leads for (0,80mm) .031" thick board
- Non-polarized

Call Samtec.

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

1mm MEC1-RA

Rated @ -3dB Insertion Loss

6,81mm Stack Height

Single-Ended Signaling	4.5 GHz / 9 Gbps
Differential Pair Signaling	5.5 GHz / 11 Gbps

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

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