



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: 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

For complete specifications and recommended PCB layouts see www.samtec.com?MEC1-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: (5,84mm) .230" to (8,13mm) .320"
RoHS Compliant: Yes
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 |

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

WWW.SAMTEC.COM