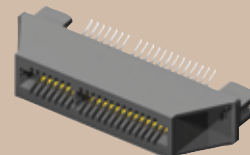
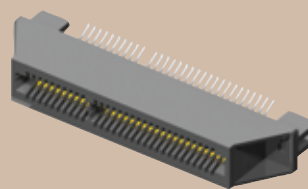


MEC1-120-02-L-D-RA1-SL



MEC1-120-02-F-D-EM2

1mm MICRO CARD SOCKET

MEC1-RA, MEC1-EM SERIES

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

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

-S

= 30µ" (0,76µm) Gold on contact, Matte Tin on tail

-L

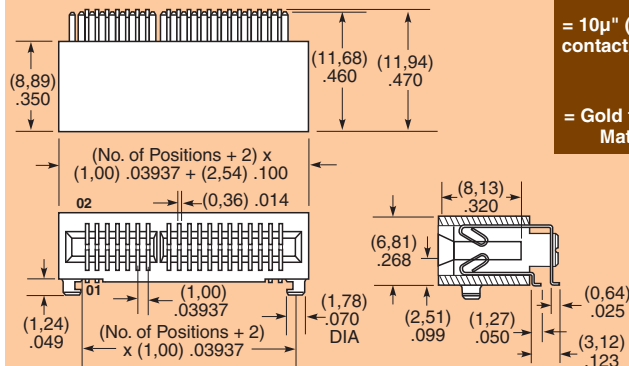
= 10µ" (0,25µm) Gold on contact, Matte Tin on tail

-F

= Gold flash 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

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

Current Rating:

Testing Now!

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

-S

= 30µ" (0,76µm) Gold on contact, Matte Tin on tail

-L

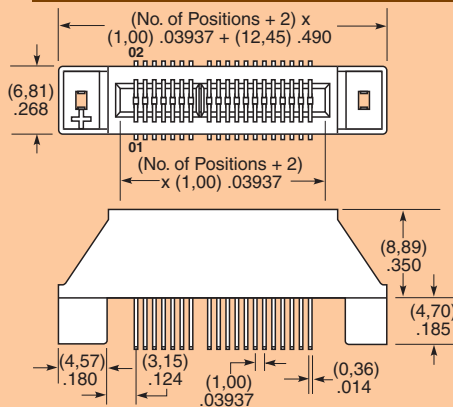
= 10µ" (0,25µm) Gold on contact, Matte Tin on tail

-F

= Gold flash 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