

(1,00mm) .03937"

MEC1 SERIES

MEC1-120-02-F-D-A

MEC1-130-02-F-D-A

MEC1-140-02-L-D

MINI EDGE CARD SOCKET

SPECIFICATIONS

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

Insulator Material:

Black LCP

Contact Material:

BeCu

Plating:

Sn or Au over 50µ"

(1,27µm) Ni

Operating Temp Range:

-55°C to +125°C

Current Rating:

2A @ 80°C ambient

(See website for details)

Voltage Rating:

300 VAC

Insertion Depth:

(5,84mm) .230" to

(8,13mm) .320"

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

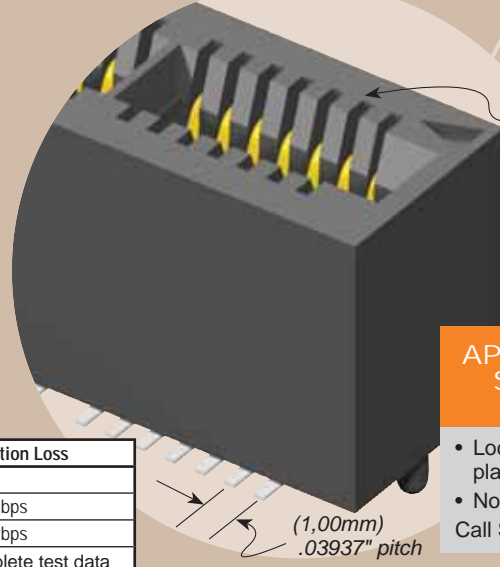
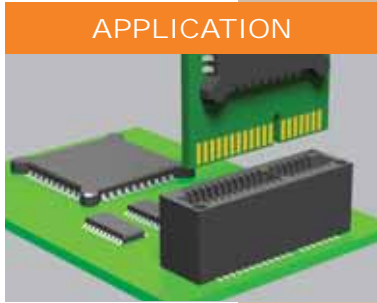
(0,10mm) .004" max (05-20)

(0,15mm) .006" max (30-70)



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

APPLICATION



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

APPLICATION SPECIFIC OPTION

- Locking Clip (Manual placement required).
- Non-polarized
Call Samtec.

| 1mm MEC1 | Rated @ -3dB Insertion Loss |
|-----------------------------|-----------------------------|
| 9,19mm Stack Height | |
| Single-Ended Signaling | 5.5 GHz / 11 Gbps |
| Differential Pair Signaling | 6.5 GHz / 13 Gbps |

Performance data for other stack heights and complete test data available at www.samtec.com?MEC1 or contact sig@samtec.com

MEC1

1

POSITIONS PER ROW

02

PLATING OPTION

D

OTHER OPTION

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

-A

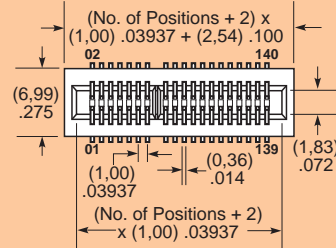
= Alignment
Pin metal or
plastic at
Samtec
discretion.

-K

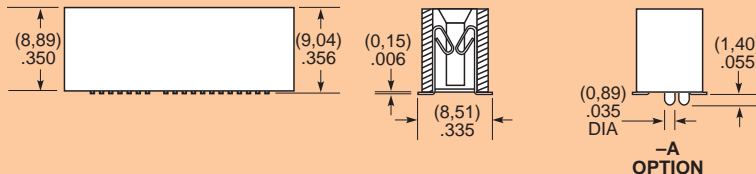
= (7,87mm)
.310" DIA
Polyimide film
Pick &
Place Pad

-TR

= Tape & Reel



| POSITIONS PER ROW | POLARIZED POSITIONS (No Contact) |
|-------------------|----------------------------------|
| 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: Other Gold plating options available. Contact Samtec.

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

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

WWW.SAMTEC.COM