

# 1mm MINI EDGE CARD SOCKET MEC1 SERIES

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MEC1](http://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

**Voltage Rating:** 300 VAC

**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

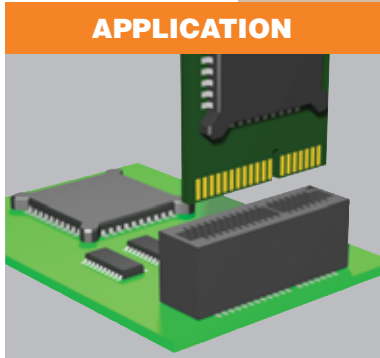
**SMT Lead Coplanarity:**

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

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

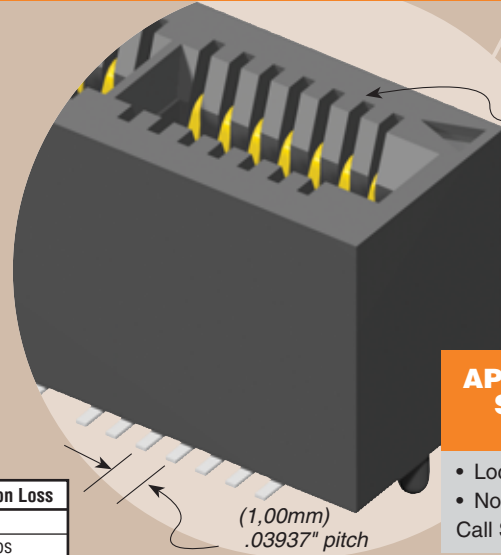


Mates with: (1,60mm) .062" card



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

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



## APPLICATION SPECIFIC OPTION

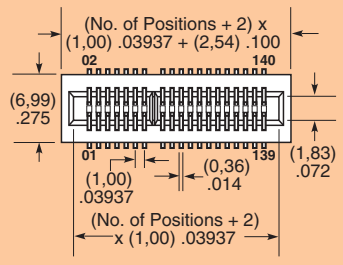
- Locking Clip
  - Non-polarized
- Call Samtec.



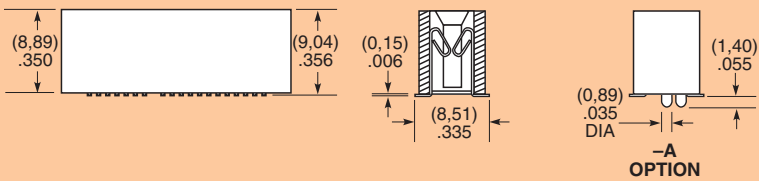
05, 08, 20, 30, 40, 50, 60, 70

-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
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](http://WWW.SAMTEC.COM)