

# RIGHT-ANGLE CARD SOCKET MEC1-RA SERIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com?MEC1-RA](http://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"

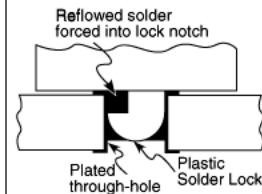
### Important Note:

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

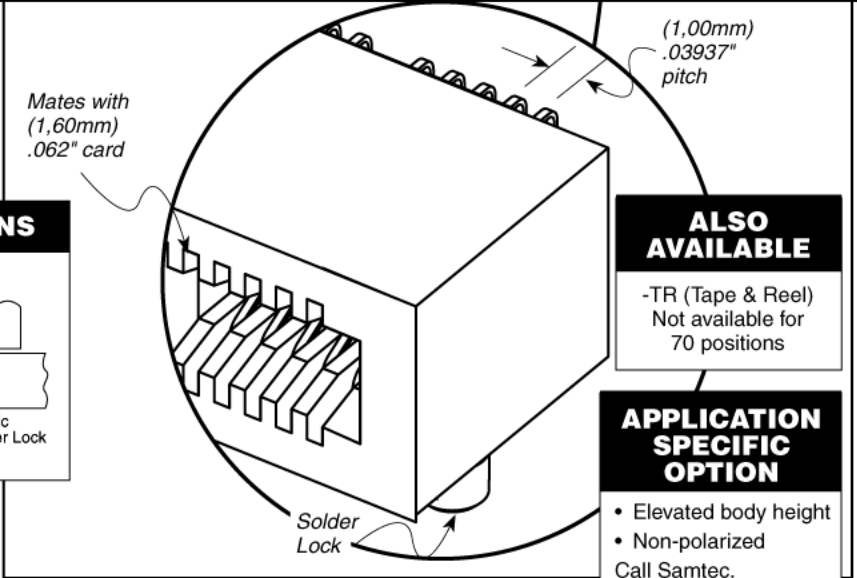
Mates with: (1,60mm) .062" card

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

## APPLICATIONS



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



## ALSO AVAILABLE

-TR (Tape & Reel)  
Not available for 70 positions

## APPLICATION SPECIFIC OPTION

- Elevated body height
  - Non-polarized
- Call Samtec.

## Processing:

### Max Processing Temp:

230°C for 60 seconds, or 260°C for 20 seconds 3x with Matte Sn plating

### Lead-Free Solderable:

Yes, with Matte Sn

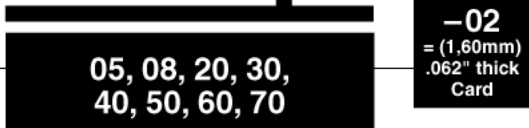
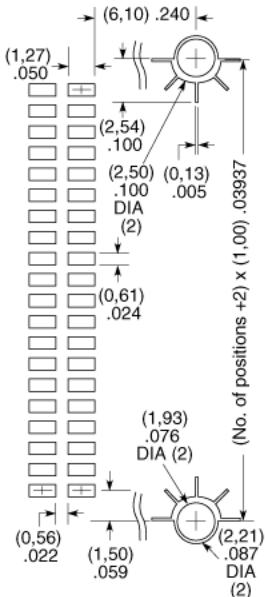
### SMT Lead Coplanarity:

(0,10mm) .004" max (05-40)

(0,15mm) .006" max (50-70)

### Suggested PCB Layouts:

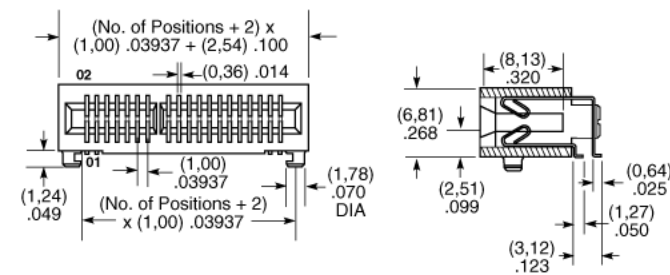
For reference only. Please contact Samtec or go to [www.samtec.com?MEC1-RA](http://www.samtec.com?MEC1-RA) for recommended PCB layout.



**-S or -SM**  
= 30µ" (0,76µm) Gold on contact, Tin (-S) or Matte Tin (-SM) on tail

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

**-F or -FM**  
= Gold flash on contact, Tin (-F) or Matte Tin (-FM) on tail



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.

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