

# RIGHT-ANGLE CARD SOCKET MEC1-RA SERIES

## SPECIFICATIONS

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

**Insulator Material:**

Black LCP

**Contact Material:**

Phosphor Bronze

**Current Rating:**

1.1A @ 80°C for -01

1.5A @ 80°C for -02

**Operating Temp Range:**

-65°C to +105°C with Tin;

-65°C to +125°C with Gold

**Plating:**

Au or Sn over 50µ"

(1,27µm) Ni

**Insertion Depth:**

(5,84mm) .230"

(8,13mm) .320"

**Important Note:**

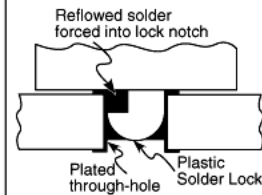
Samtec recommends that pads on the mating board be Gold plated.

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

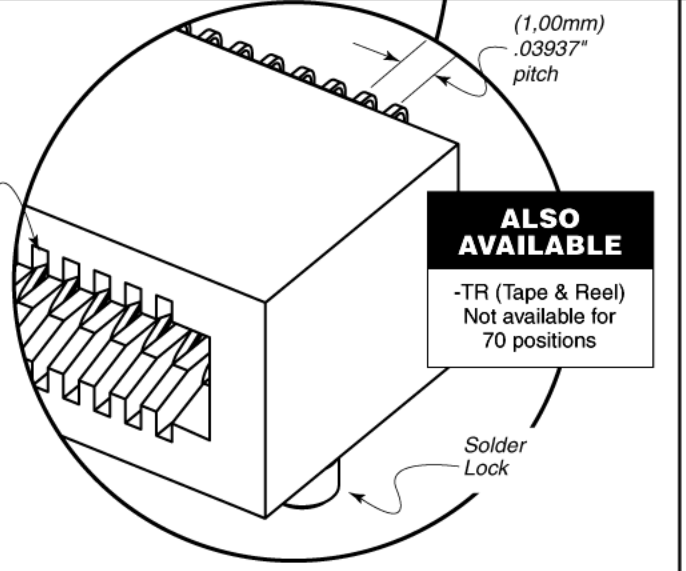


**Mates with:**  
(1,60mm) .062" card

## APPLICATIONS



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



## ALSO AVAILABLE

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

## Processing:

**Max Processing Temp:**  
230°C for 60 seconds

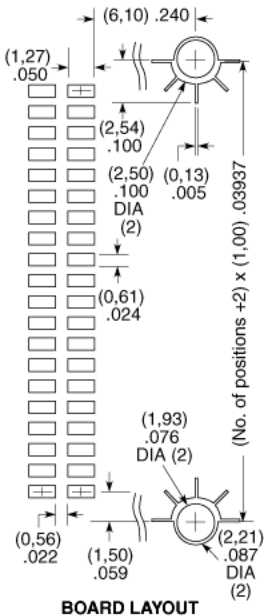
**SMT Lead Coplanarity:**

(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](http://www.samtec.com)?MEC1-RA for recommended PCB layout.



<b>MEC1</b>	<b>1</b>	<b>POSITIONS PER ROW</b>	<b>CARD SLOT</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>BODY HEIGHT</b>	<b>OTHER OPTION</b>	<b>SL</b>
		<b>05, 08, 20, 30, 40, 50, 60, 70</b>	<b>-02</b> = (1,60mm) .062" thick Card	<b>-F</b> = Gold flash on contact, Tin on tail	<b>-L</b> = 10µ" (0,25µm) Gold on contact, Tin on tail	<b>-RA1</b> = Standard	Leave blank for polarized version	
				<b>-S</b> = 30µ" (0,76µm) Gold on contact, Tin on tail		<b>-RA2</b> = Elevated	<b>-NP</b> = Non-polarized (05 thru 30 positions/ row only)	

BODY HEIGHT	A	B
-RA1	(6,81) .268	(2,51) .099
-RA2	(8,99) .354	(4,67) .184

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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