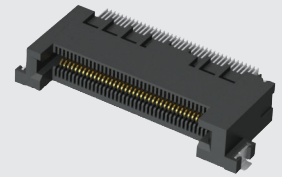


MEC5-050-01-L-DV-W1-K-TR



MEC5-DV, MEC5-RA SERIES

(0.50 mm) .0197"

# VERTICAL/RIGHT-ANGLE CARD SOCKET

Mates with:  
(1.60 mm) .062" thick card  
with standard board  
tolerance

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MEC5-DV](http://www.samtec.com?MEC5-DV)

**Insulator Material:**  
Black LCP  
**Contact Material:**  
Phosphor Bronze

**Plating:**  
Au or Sn over  
50 μm (1.27 μm) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C

**Current Rating:**  
1.5 A per pin  
(2 pins powered)

**Voltage Rating:**  
125 VAC/175 VDC

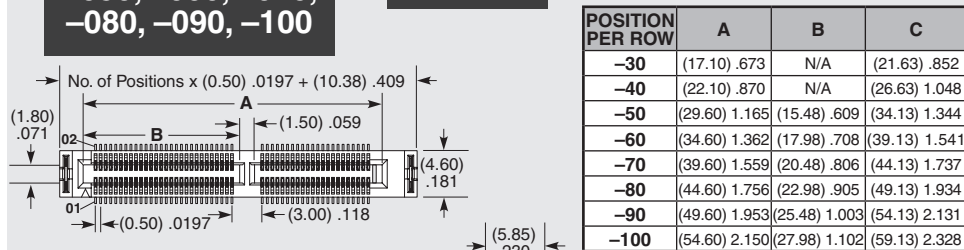
**RoHS Compliant:**  
Yes

## PROCESSING

**Lead-Free Solderable:**  
Yes

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

<b>MEC5</b>	<b>POSITIONS PER ROW</b>	<b>CARD THICKNESS</b>	<b>PLATING OPTION</b>	<b>DV</b>	<b>W1</b>	<b>K</b>	<b>TR</b>
	<b>-030, -040, -050, -060, -070, -080, -090, -100</b>	<b>-01</b> = (1.60 mm) .062" thick card		<b>-L</b> = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail			



**Note:** Polarization rib is not present on -030 & -040 positions

HIGH-SPEED CHANNEL PERFORMANCE	
<b>MEC5-DV</b>	<b>PAM 4</b>
Rating based on Samtec reference channel.	
For full SI performance data visit <a href="http://Samtec.com">Samtec.com</a> or contact <a href="mailto:SIG@samtec.com">SIG@samtec.com</a>	
<b>56</b> Gbps	

Mates with:  
(1.60 mm) .062" thick card  
with standard board  
tolerance

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MEC5-RA](http://www.samtec.com?MEC5-RA)

**Insulator Material:**  
Black LCP  
**Contact Material:**  
Phosphor Bronze

**Plating:**  
Au or Sn over  
50 μm (1.27 μm) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C

**Current Rating:**  
1.5 A per pin  
(2 pins powered)

**Voltage Rating:**  
125 VAC/175 VDC

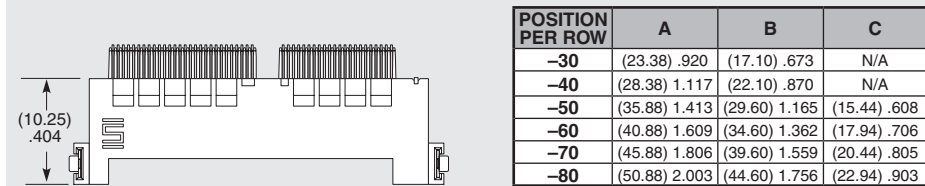
**RoHS Compliant:**  
Yes

## PROCESSING

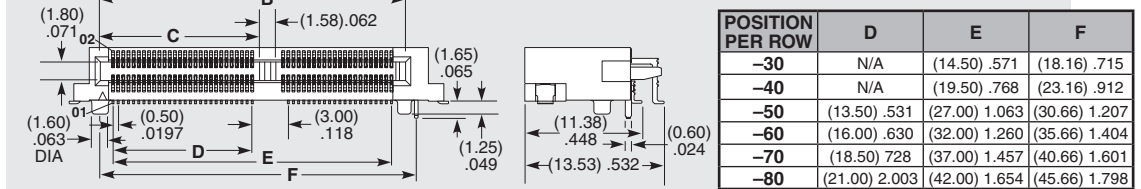
**Lead-Free Solderable:**  
Yes

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

<b>MEC5</b>	<b>POSITIONS PER ROW</b>	<b>CARD THICKNESS</b>	<b>PLATING OPTION</b>	<b>RA</b>	<b>WELD TAB</b>
	<b>-030, -040, -050, -060, -070, -080</b>	<b>-01</b> = (1.60 mm) .062" thick card		<b>-L</b> = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail	<b>-W1</b> = Weld Tab Through-hole <b>-W2</b> = Weld Tab Surface Mount



**Note:** Polarization rib is not present on -030 & -040 positions



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