



(0,635mm) .025"

MEC6-DV, MEC6-RA SERIES

# MICRO EDGE CARD SOCKET

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

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MEC6-DV](http://www.samtec.com?MEC6-DV) or [www.samtec.com?MEC6-RA](http://www.samtec.com?MEC6-RA)

**Insulator Material:**  
Black LCP

**Contact Material:**  
Phosphor Bronze

**Plating:**  
Au or Sn over 50µ" (1,27µm) Ni

**Operating Temp Range:**  
-55°C to +125°C

**Insertion Depth:**  
(4,22mm) .166" to (5,66mm) .223"

**Current Rating:**  
Testing Now!

**Voltage Rating:**  
Testing Now!

**RoHS Compliant:**  
Yes



**Processing:**  
Lead-Free Solderable:  
Yes

**MEC6-DV**  
**SMT Lead Coplanarity:**  
(0,10mm) .004" max (10-50)  
(0,15mm) .006" max (60-70)

**MEC6-RA**  
**SMT Lead Coplanarity:**  
(0,10mm) .004" max (10-30)  
(0,15mm) .006" max (40-50)

0,635mm MEC6-DV	Rated @ -3dB Insertion Loss
8,65mm Stack Height	
Single-Ended Signaling	7.5 GHz / 15 Gbps
Differential Pair Signaling	7.0 GHz / 14 Gbps
Performance data for other stack heights and complete test data available at <a href="http://www.samtec.com?MEC6-DV">www.samtec.com?MEC6-DV</a> or contact <a href="mailto:sig@samtec.com">sig@samtec.com</a>	

0,635mm MEC6-RA	Rated @ -3dB Insertion Loss
5,78mm Stack Height	
Single-Ended Signaling	7.0 GHz / 14 Gbps
Differential Pair Signaling	7.0 GHz / 14 Gbps
Performance data for other stack heights and complete test data available at <a href="http://www.samtec.com?MEC6-RA">www.samtec.com?MEC6-RA</a> or contact <a href="mailto:sig@samtec.com">sig@samtec.com</a>	

**Note:** Other Gold plating options available. Contact Samtec.

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

**MEC6** - **1** POSITIONS PER ROW - **02** PLATING OPTION - **DV** - **A** - **OPTION**

**10, 20, 30, 40, 50, 60, 70**

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

**-K**  
= (5,50) .217" DIA Polyimide Pick & Place Pad

**-TR**  
= Tape & Reel

No. of Positions x (0,635) .025 + (4,77) .188

No. of Positions x (0,635) .025 + (1,565) .062

No. of Positions x (0,635) .025 + (7,94) .313

(4,40) .173

(7,00) .276

(8,50) .335

(3,60) .142

(8,65) .341

(1,00) .039

(1,78) .070

(3,81) .150

(8,80) .346

(1,50) .059

(1,40) .055 DIA

POSITIONS PER ROW	A	B
50	(22,96) .904	(36,49) 1.437
60	(24,87) .979	(42,84) 1.687
70	(28,68) 1.129	(49,19) 1.937

**APPLICATION SPECIFIC OPTION**

- Locking Clip (Manual placement required)

Call Samtec.

**MEC6** - **1** POSITIONS PER ROW - **02** PLATING OPTION - **D** - **RA1** - **OPTION**

**10, 20, 30, 40, 50**

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

**-TR**  
= Tape & Reel

No. of Positions x (0,635) .025 + (1,57) .062

(38,09) 1.50

(21,06) .829

(36,49) 1.44

(21,06) .829

(1,78) .070

(0,90) .035

(1,40) .055 DIA

(3,81) .150

(0,85) .033

(5,78) .227

(2,65) .104

(3,53) .139

(7,40) .291

(0,95) .037

(9,10) .358

(1,05) .041

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

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