



(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 or 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 www.samtec.com?MEC6-DV or contact sig@samtec.com	

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 www.samtec.com?MEC6-RA or contact sig@samtec.com	

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

(1,50) .059

(1,40) .055 DIA

(3,81) .150

(1,78) .070

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

(0,95) .037

(9,10) .358

(1,05) .041

(7,40) .291

(0,635) .025

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

WWW.SAMTEC.COM