



(0.80 mm) .0315"

MEC8-RA, MEC8-EM SERIES

RIGHT-ANGLE/EDGE MOUNT SOCKETS

Mates with:

(1.60 mm) .062" thick card

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MEC8-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

Insertion Depth:

(3.94 mm) .155" to

(6.25 mm) .246"

Current Rating:

2.4 A per pin

(2 adjacent pins powered)

Voltage Rating: 265 VAC

RoHS Compliant: Yes

Lead-Free Solderable: Yes

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



MEC8

1

POSITIONS PER ROW

02

PLATING OPTION

D

RA1

OTHER OPTION

10, 13, 20, 25, 30, 37, 40, 49, 50

-L
= 10 μm (0.25 μm) Gold on contact, Matte Tin on tail

-TR
= Tape & Reel Packaging

POS. PER ROW	A	B
13	(6.10) .240	(15.00) .591
25	(18.10) .713	(34.20) 1.346
37	(18.90) .744	(36.60) 1.441
40	(18.90) .744	(36.60) 1.441
49	(22.90) .902	(43.80) 1.724
50	(22.90) .902	(44.60) 1.756

HIGH-SPEED CHANNEL PERFORMANCE

MEC8-RA

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

14

Gbps

ALSO AVAILABLE (MOQ Required)

- 1 mm mating card thickness option
- Latching option
- Elevated

Mates with:

(1.60 mm) .062" thick card

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MEC8-EM

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

Insertion Depth:

(4.32 mm) .170" to

(5.66 mm) .223"

Current Rating:

2.2 A per pin

(2 adjacent pins powered)

Voltage Rating: 265 VAC

RoHS Compliant: Yes

Lead-Free Solderable: Yes

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



MEC8

1

POSITIONS PER ROW

02

PLATING OPTION

D

EM2

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

-L
= 10 μm (0.25 μm) Gold on contact, Matte Tin on tail

EM2
= (1.60 mm) .062" thick PCB

POSITIONS PER ROW	A	B
40	(18.90) .744	(36.60) 1.441
50	(22.90) .902	(44.60) 1.756
60	(26.90) 1.059	(52.60) 2.071
70	(30.90) 1.217	(60.60) 2.386

HIGH-SPEED CHANNEL PERFORMANCE

MEC8-EM

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

14

Gbps

ALSO AVAILABLE (MOQ Required)

- 1 mm mating card thickness option

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.