



(1.00 mm) .0394"

MEC1-RA, MEC1-EM SERIES

RA1

RIGHT-ANGLE/EDGE MOUNT SOCKETS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MEC1-RA

Insulator Material: Black LCP Contact Material: Phosphor Bronze
Plating: Au or Sn over
50 µ" (1.27 µm) Ni Current Rating: 1.6 A per pin (2 adjacent pins powered) Operating Temp Range: -55 °C to +125 °C Insertion Depth: (5.84 mm) .230" to (8.13 mm) .320" RoHS Compliant: Yes

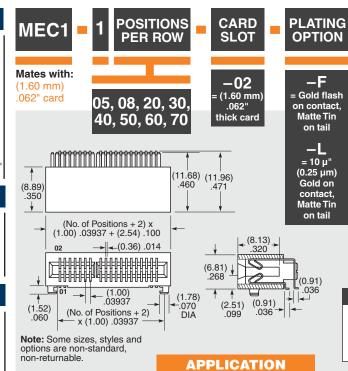
PROCESSING

Lead-Free Solderable: Yes SMT Lead Coplanarity: (0.10 mm) .004" max (05-40) (0.15 mm) .006" max (50-70)* (.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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





POSITIONS **POLARIZED PER ROW 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

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Note: While optimized for 50 $\boldsymbol{\Omega}$ applications, this connector with alternative signal/ground patterns may also perform well in certain 75 Ω applications.

-NP = No Polarization (8 positions only) Leave Blank for

polarization

ALSO AVAILABLE (MOQ Required)

- Elevated body
- height Other platings

HIGH-SPEED CHANNEL PERFORMANCE

MEC1-RA

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

Matte Tin on tail

(8.13)

.320

(1.19)

±(0.38)

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MEC1-EM

Insulator Material: Black LCP
Contact Material: Phosphor Bronze Plating: Au or Sn over 50 μ" (1.27 μm) Ni **Current Rating:** 1.8 A per pin (2 adjacent pins powered) Operating Temp Range: -55 °C to +125 °C

Insertion Depth: (5.84 mm) .230" to (8.13 mm) .320" RoHS Compliant:

Yes Lead-Free Solderable:

RECOGNITIONS

Edge mount leads

thick board

Other platings

for (0.80 mm) .031"

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



POSITIONS **PLATING** MEC₁ 02 **PER ROW** OPTION Mates with: (1.60 mm).062" card 05, 08, 20, 30, = Gold flash on contact, 40, 50, 60, 70 Matte Tin on tail **ALSO** (No. of Positions + 2) x AVAILABLE $(1.00) .03937 + (12.45)^{'}.490$ = 10 μ" (0.25 μm) Gold on contact, (MOQ Required)

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

02 (6.81)-.268 Note: While optimized for 50 Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75 Ω applications. 100000 0000000000 (No. of Positions + 2) x (1.00) .03937

(8 89) .350 (4.70) .185 (5.21).205 Note: Some sizes, styles and options (4.57)are non-standard, 1.180 non-returnable. .03937

-NP = No Polarization (8 positions only) Leave Blank for polarization

POSITIONS POLARIZED PER ROW **POSITIONS** 05 3.4 08 5, 6 20 15.16 21, 22 30 40 31, 32 50 41, 42 31, 32, 63 60 & 64 53, 54, 115 & 116

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

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