

MEC1 SERIES

(1.00 mm) .0394"

MINI EDGE CARD SOCKET

SPECIFICATIONS

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

- Insulator Material:**
Black LCP
- Contact Material:**
BeCu
- Plating:**
Sn or Au over 50 μ" (1.27 μm) Ni
- Operating Temp Range:**
-55 °C to +125 °C
- Current Rating:**
2.2 A per pin (2 adjacent pins powered)
- Voltage Rating:**
250 VAC
- 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 (05-20) (0.15 mm) .006" max (30-70)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

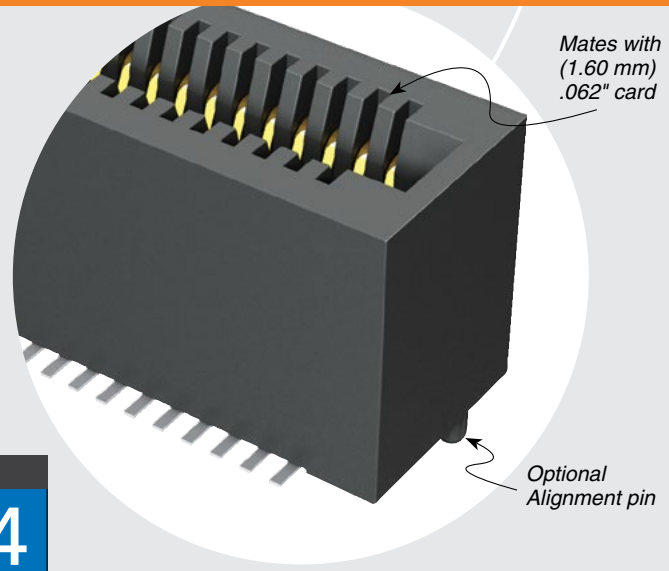
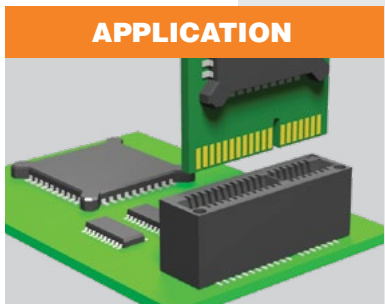
- Locking Clip (Manual placement required)
- Other platings

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

Notes: While optimized for 50 Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75 Ω applications.

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

Mates with:
(1.60 mm) .062" card



Mates with (1.60 mm) .062" card

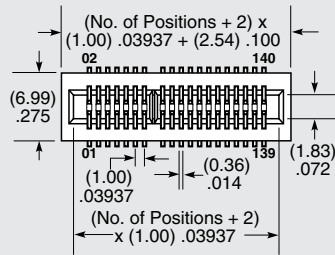
Optional Alignment pin

HIGH-SPEED CHANNEL PERFORMANCE

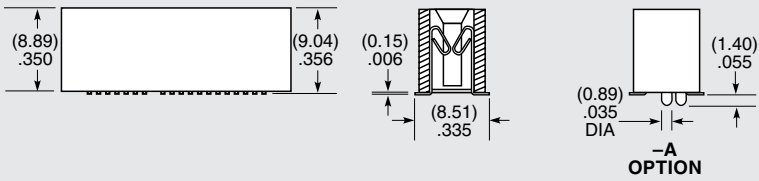
MEC1
Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

14
Gbps

MEC1	1	POSITIONS PER ROW	02	PLATING OPTION	D	NP	OTHER OPTION
05, 08, 20, 30, 40, 50, 60, 70				-F = Gold flash on contact, Matte tin on tail	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	-NP = No Polarization (05, 08, 20 & 30 positions only) Leave Blank for polarization	-A = Alignment Pin metal or plastic at Samtec discretion. -K = (7.87 mm) .310" DIA Polyimide film Pick & Place Pad -TR = Tape & Reel (05-60 only)



POSITIONS PER ROW	POLARIZED POSITIONS (No Contact)
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



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

Mouser Electronics

Authorized Distributor

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Samtec:

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