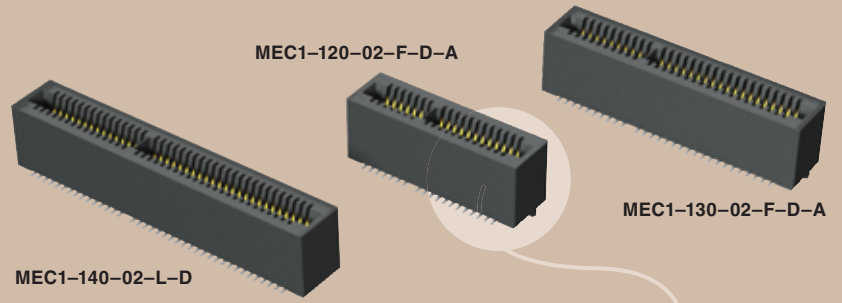




(1,00 mm) .0394"

MEC1 SERIES



MINI EDGE CARD SOCKET

SPECIFICATIONS

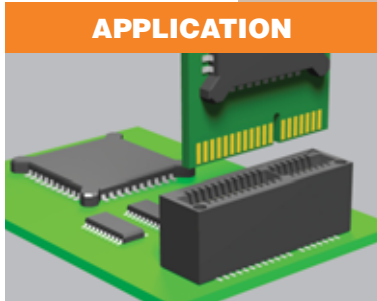
For complete specifications and recommended PCB layouts see www.samtec.com?MEC1

- Insulator Material:** Black LCP
- Contact Material:** BeCu
- Plating:** Sn or Au over 50µ" (1,27 µm) Ni
- Operating Temp Range:** -55°C to +125°C
- Current Rating:** 2A per contact (See website for details)
- Voltage Rating:** 300 VAC
- Insertion Depth:** (5,84 mm) .230" to (8,13 mm) .320"
- RoHS Compliant:** Yes

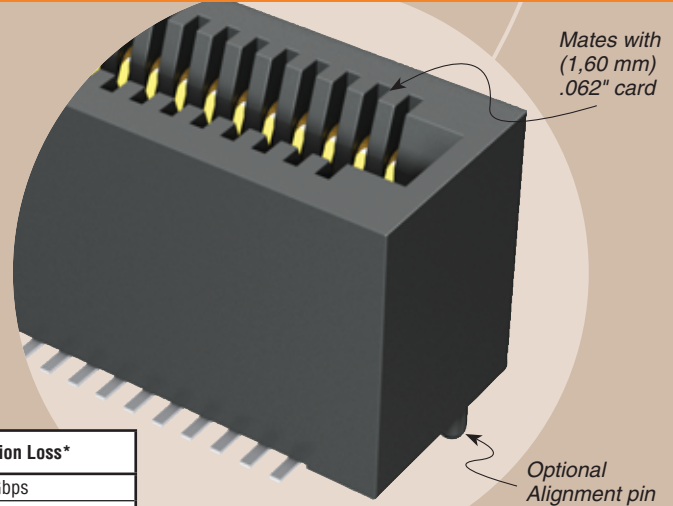


- Processing:** Lead-Free Solderable: Yes
- SMT Lead Coplanarity:** (0,10 mm) .004" max (05-20) (0,15 mm) .006" max (30-70)

Mates with:
(1,60 mm) .062" card



APPLICATION



Mates with
(1,60 mm)
.062" card

Optional
Alignment pin

MEC1 9,04 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	5.5 GHz / 11 Gbps
Differential Pair Signaling	6.5 GHz / 13 Gbps

*Performance data includes effects of a non-optimized PCB.
Complete test data available at www.samtec.com?MEC1 or contact sig@samtec.com

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		-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
				-L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail			-TR = Tape & Reel

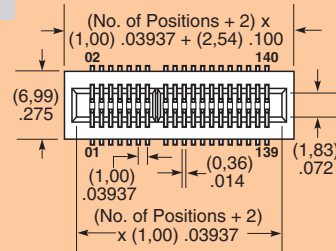
ALSO AVAILABLE (MOQ Required)

- Locking Clip (Manual placement required)
- Other Platings
- Contact Samtec.

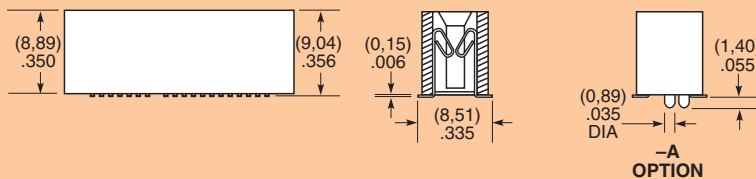
Note: While optimized for 50Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75Ω applications. Contact Samtec for further information.

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

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



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.

WWW.SAMTEC.COM