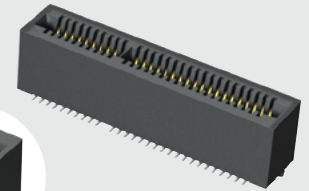
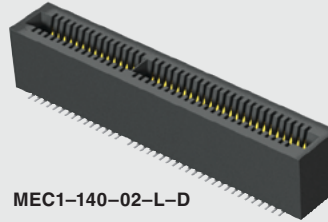


MEC1-120-02-F-D-A



MEC1-130-02-F-D-A



MEC1-140-02-L-D

(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 50 μm

(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:

300 VAC

Insertion Depth:

(5.84 mm) .230" to

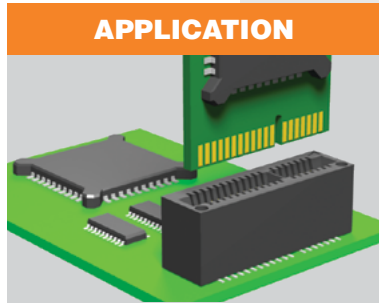
(8.13 mm) .320"

RoHS Compliant:

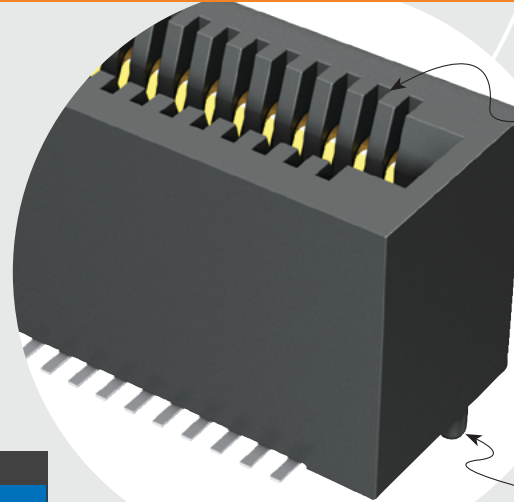
Yes

Mates with:

(1.60 mm) .062" card



APPLICATION



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

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



FILE NO. E111594

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.

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

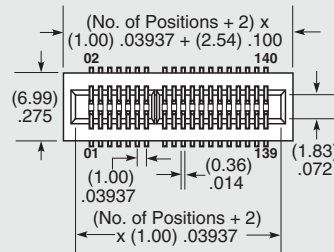
-L
= 10 μm (0.25 μm) Gold on contact, Matte Tin on tail

-NP
= No Polarization (05, 08, 20 & 30 positions only)
Leave Blank for polarization

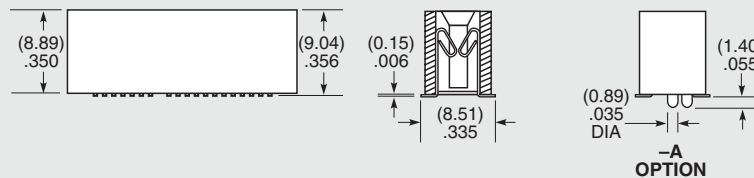
-A
= Alignment Pin metal or plastic at Samtec discretion.

-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.

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.