samtec

MEC8–110–02–L–DV–A

MEC8–120–02–L–DV–A

MEC8–140–02–L–DV–A

(0.80 mm) .0315"

MEC8-DV SERIES

VERTICAL MICRO EDGE CARD SOCKET

Mates with (1.60 mm) .062" thick card

Variety of lead counts

(0.80 mm) .0315" pitch

SPECIFICATIONS

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

Insulator Material:
Black LCP
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C
Insertion Depth:
(4.22 mm) .166" to
(5.66 mm) .223"
Current Rating:
1.8 A per pin
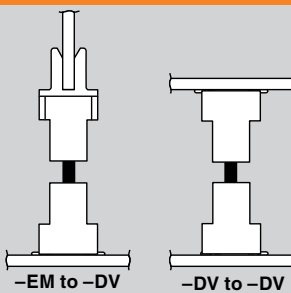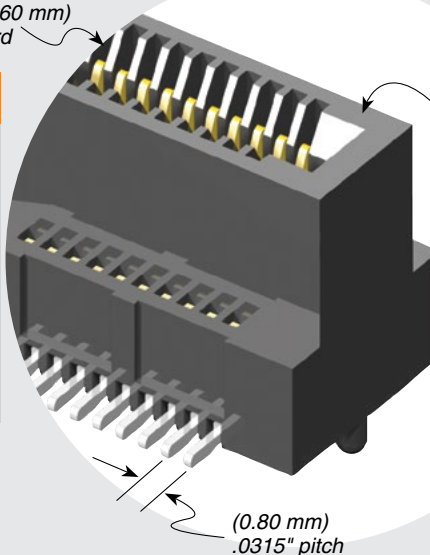(4 adjacent pins powered)
Voltage Rating:
185 VAC
RoHS Compliant:
Yes

PROCESSING

Lead–Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (10-50)
(0.15 mm) .006" max (60-70)*
*(.004" stencil solution
may be available; contact
IPG@samtec.com)

RECOGNITIONS

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

UL
FILE NO. E111594

ALSO AVAILABLE
(MOQ Required)

- 1 mm mating card thickness option
- Locking clip (Manual placement required)

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" thick card

APPLICATIONS

–EM to –DV

–DV to –DV

HIGH-SPEED CHANNEL PERFORMANCE

MEC8-DV
Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

25 Gbps

| MEC8 | – | 1 | POSITIONS PER ROW | – | 02 | – | PLATING OPTION | – | DV | – | OTHER OPTION |

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

–L
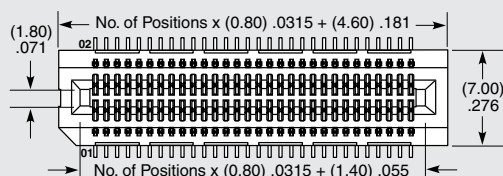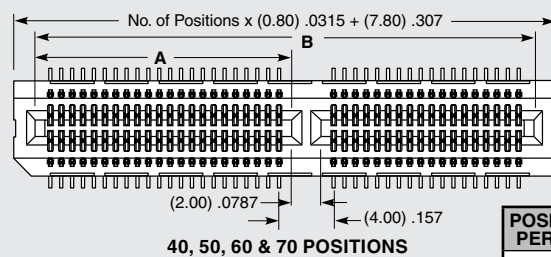= 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

–A
= Alignment Pin

–K
= (5.50 mm) .217" DIA Polyimide Pick & Place Pad

–TR
= Tape & Reel

No. of Positions x (0.80) .0315 + (7.80) .307

A
B

(2.00) .0787
(4.00) .157

40, 50, 60 & 70 POSITIONS

(1.80) .071
02

No. of Positions x (0.80) .0315 + (4.60) .181

(7.00) .276

01

No. of Positions x (0.80) .0315 + (1.40) .055

(8.50) .335

(0.80) .0315

10, 20 & 30 POSITIONS

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
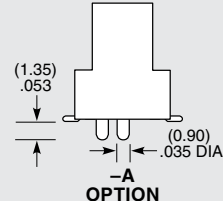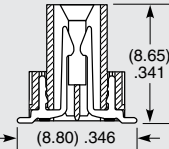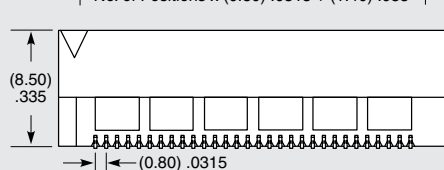
OTHER SOLUTIONS

- Right-angle
- Edge Mount
- See samtec.com?MEC8-RA or samtec.com?MEC8-EM

(8.65) .341
(8.80) .346

(1.35) .053
(0.90) .035 DIA

–A OPTION

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

All parts within this catalog are built to Samtec's specifications.
irements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.