

MEC5-050-01-L-DV-W1-K-TR

MEC5-100-01-L-DV-W1-K-TR

(0.50 mm) .0197"

MEC5-DV SERIES

VERTICAL CARD SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MEC5-DV

Insulator Material:

Black LCP

Contact Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μ " (1.27 μ m) Ni

Operating Temp Range:

-55 °C to +125 °C

Current Rating:

1.5 A per pin

(2 pins powered)

Voltage Rating:

125 VAC/175 VDC

RoHS Compliant:

Yes

PROCESSING

Lead-Free Solderable:

Yes

Mates with:

(1.60 mm) .062" thick card
with standard board
tolerance

Mates with (1.60 mm)
.062" thick card

HIGH-SPEED CHANNEL PERFORMANCE

MEC5-DV

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

PAM4

56

Gbps

(0.50 mm)
.0197" pitch

Weld Tab

MEC5

POSITIONS
PER ROWCARD
THICKNESSPLATING
OPTION

DV

W1

K

TR

-030, -040,
-050, -060, -070,
-080, -090, -100

-01
= (1.60 mm)
.062"
thick card

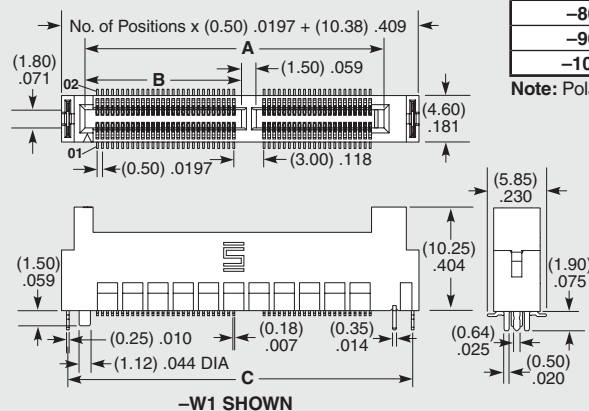
-L
= 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail

IN DEVELOPMENT

- 150 positions

POSITION PER ROW	A	B	C
-30	(17.10) .673	N/A	(21.63) .852
-40	(22.10) .870	N/A	(26.63) 1.048
-50	(29.60) 1.165	(15.48) .609	(34.13) 1.344
-60	(34.60) 1.362	(17.98) .708	(39.13) 1.541
-70	(39.60) 1.559	(20.48) .806	(44.13) 1.737
-80	(44.60) 1.756	(22.98) .905	(49.13) 1.934
-90	(49.60) 1.953	(25.48) 1.003	(54.13) 2.131
-100	(54.60) 2.150	(27.98) 1.102	(59.13) 2.328

Note: Polarization rib is not present on -030 & -040 positions



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

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.

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