

MEC2-05-01-L-DV-WT



(2.00 mm) .0787"

MEC2-DV SERIES

VERTICAL MINI EDGE CARD SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MEC2-DV

Insulator Material:

-01=Black Liquid
Crystal Polymer
-02=Natural Liquid
Crystal Polymer

Contact Material:

BeCu

Plating:

Sn or Au over
50 μ " (1.27 μ m) Ni

Operating Temp Range:

-55 °C to +125 °C

Current Rating:

3.5 A per pin
(2 adjacent pins powered)

Voltage Rating:

238 VAC

RoHS Compliant:

Yes

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max (05-30)
(0.15 mm) .006" max (40-50)*
*(.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)

- Non-polarized
- Other platings

Mates with:

(1.60 mm) .062" card,
(2.36 mm) .093" card

Choice of
two card
thicknesses

Up to
98 I/Os

Rugged
Weld Tab
option

Polarized

Surface Mount

Alignment
Pins

HIGH-SPEED CHANNEL PERFORMANCE

MEC2-DV

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

14
Gbps

MEC2

POSITIONS
PER ROW

CARD
THICKNESS

PLATING
OPTION

DV

OPTION

-05, -08, -20,
-30, -40, -50

-01
= (1.60 mm) .062"
thick card
-02
= (2.36 mm) .093"
thick card

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

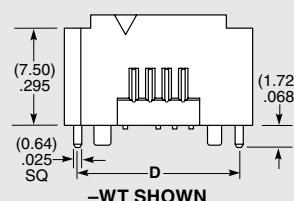
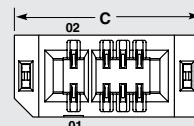
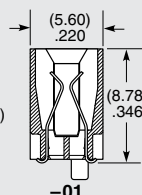
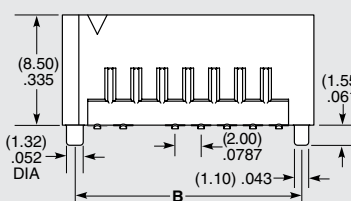
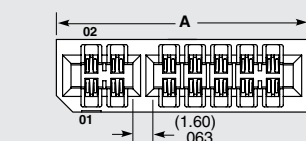
-WT
= Weld Tabs
(Standard on
-02 card thickness,
optional on -01
card thickness)

-K
= (5.00 mm) .197" DIA
(-01 card thickness)
(5.70 mm) .224" DIA
(-02 card thickness)
Polyimide film
pick & place pad
(-TR only)

-TR
= Tape & Reel
packaging
(-05 thru -30
positions only)

POSITIONS PER ROW	A	B	C	D
-05	(13.40) .528	(11.50) .453	(17.40) .685	(15.40) .606
-08	(19.40) .764	(17.50) .689	(23.40) .921	(21.40) .843
-20	(43.40) 1.709	(41.50) 1.634	(47.40) 1.866	(45.40) 1.787
-30	(63.40) 2.496	(61.50) 2.421	(67.40) 2.654	(65.40) 2.575
-40	(83.40) 3.283	(81.50) 3.209	(87.40) 3.441	(85.40) 3.362
-50	(103.40) 4.071	(101.50) 3.996	(107.40) 4.228	(105.40) 4.150

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



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.

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.