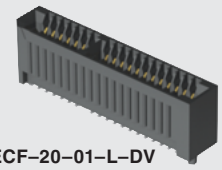
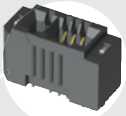


MECF–20–01–L–DV

MECF–05–01–L–DV–WT



(1,27 mm) .050"

MECF SERIES

MICRO EDGE CARD SOCKET

SPECIFICATIONS

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

Insulator Material:
–01=Black Liquid Crystal Polymer
–02=Natural Liquid Crystal Polymer
Contact Material:
BeCu
Plating:
Sn or Au over 50µ" (1,27 µm) Ni
Operating Temp Range:
-55°C to +125°C
Current Rating:
3.5 A per pin
(2 adjacent pins powered)
Voltage Rating:
280 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)

RECOGNITIONS

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

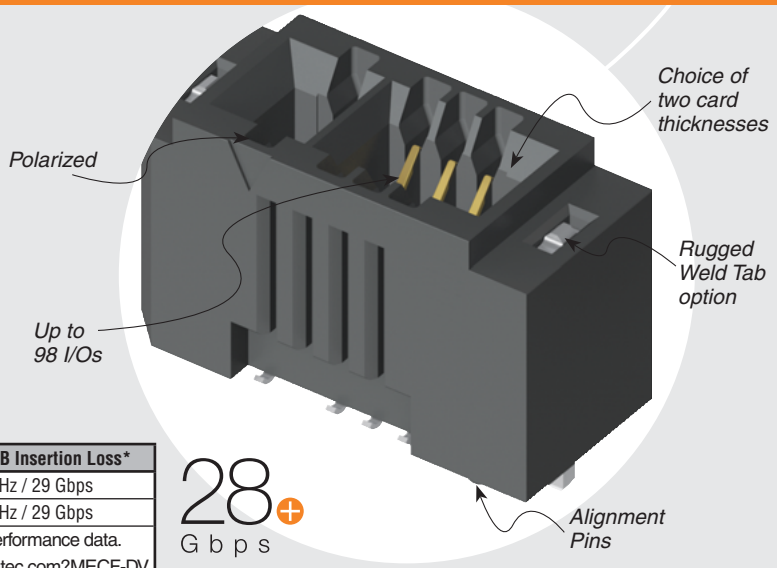
FILE NO. E111594

ALSO AVAILABLE
(MOQ Required)

- Non-polarized
- Other platings

Contact Samtec.

Mates with:
(1,60 mm) .062" card,
(2,36 mm) .093" card



28+ Gbps

MECF-DV	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	14.5 GHz / 29 Gbps
Differential Pair Signaling	14.5 GHz / 29 Gbps

*Test board losses de-embedded from performance data.
Complete test data available at www.samtec.com?MECF-DV or contact sig@samtec.com

MECF	–	POSITIONS PER ROW	–	CARD THICKNESS	PLATING OPTION	–	DV	–	OPTION

POSITIONS PER ROW: –05, –08, –20, –30, –40, –50

CARD THICKNESS:
–01 = (1,60 mm) .062" thick card
–02 = (2,36 mm) .093" thick card

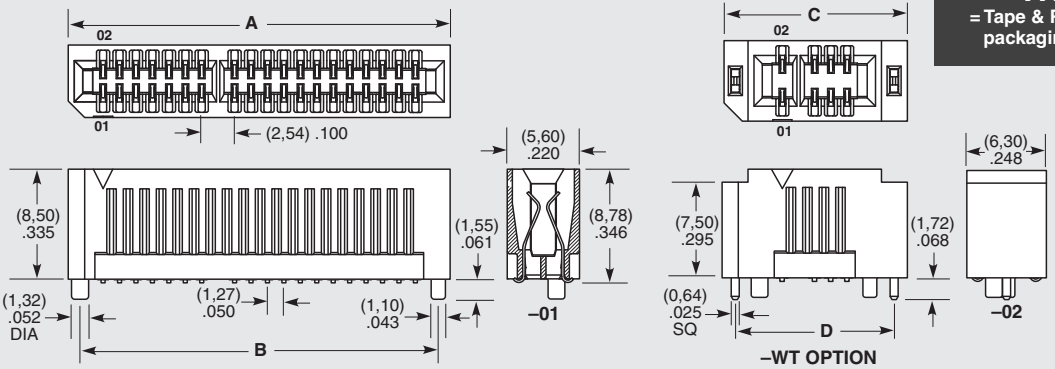
PLATING OPTION:
–L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail

DV

OPTION:
–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

POSITIONS PER ROW	A	B	C	D
–05	(10,46) .412	(8,64) .340	(14,53) .572	(12,45) .490
–08	(14,27) .562	(12,45) .490	(18,34) .722	(16,26) .640
–20	(29,51) 1.162	(27,69) 1.090	(33,58) 1.322	(31,50) 1.240
–30	(42,21) 1.662	(40,39) 1.590	(46,28) 1.822	(44,20) 1.740
–40	(54,91) 2.162	(53,09) 2.090	(58,98) 2.322	(56,90) 2.240
–50	(67,61) 2.662	(65,79) 2.590	(71,68) 2.822	(69,60) 2.740

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



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.

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