

MECF-20-01-L-DV

MECF-05-01-L-DV-WT

## MECF SERIES

(1.27 mm) .050"

# MINI EDGE CARD SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MECF-DV](http://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  
50  $\mu$ " (1.27  $\mu$ m) 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

### Mates with:

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

## HIGH-SPEED CHANNEL PERFORMANCE

### MECF-DV

Rating based on Samtec reference channel.  
For full SI performance data visit [Samtec.com](http://Samtec.com)  
or contact [SIG@samtec.com](mailto:SIG@samtec.com)

25  
Gbps

## 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](mailto:IPG@samtec.com))

## RECOGNITIONS

For complete scope of  
recognitions see  
[www.samtec.com/quality](http://www.samtec.com/quality)



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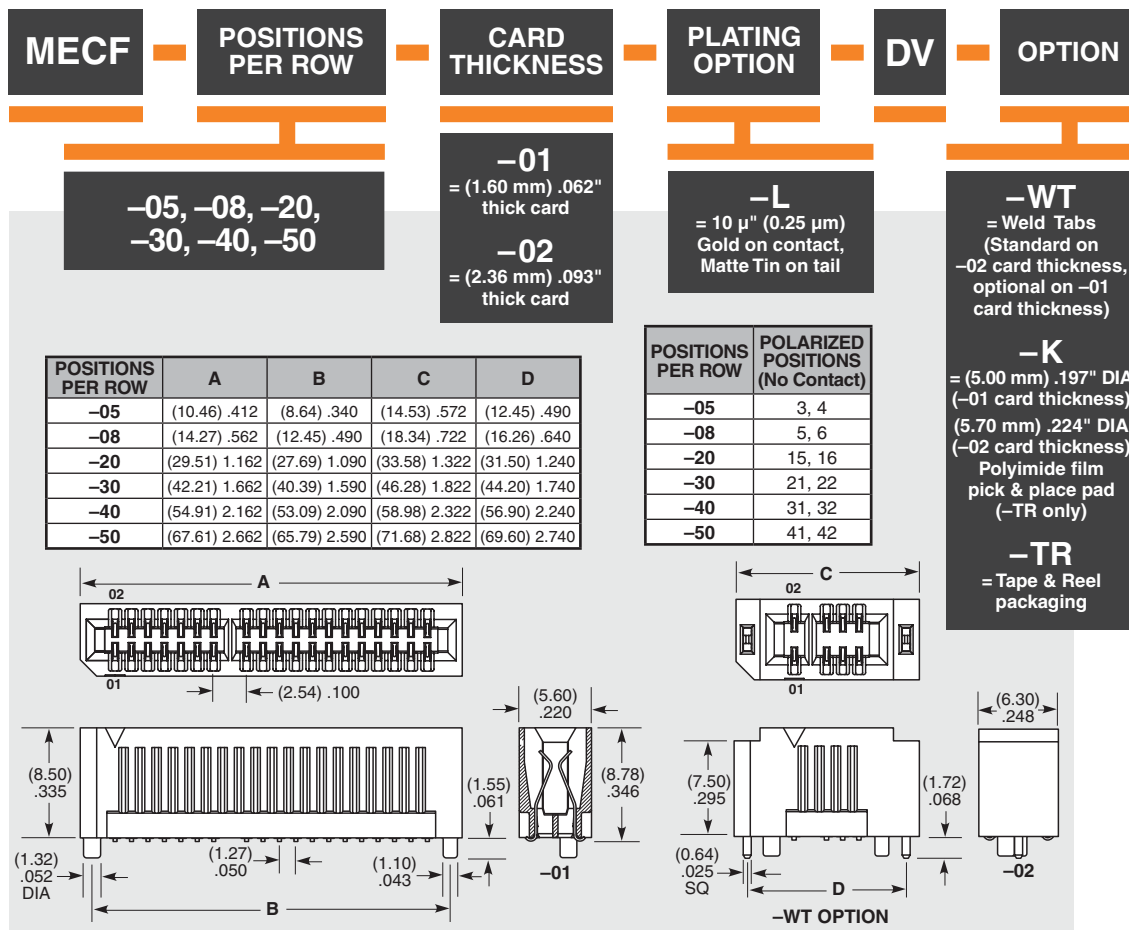
## ALSO AVAILABLE (MOQ Required)

- Non-polarized
- Other platings

### Notes:

While optimized for 50  $\Omega$  applications, this connector with alternative signal/ground patterns may also perform well in certain 75  $\Omega$  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](http://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.