

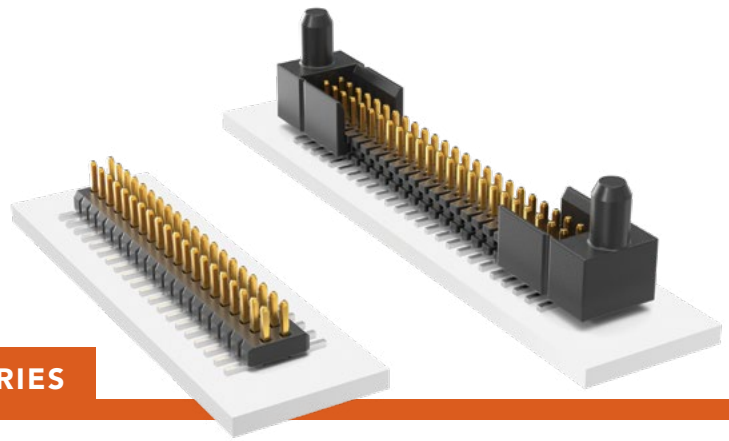


**THE DATASHEET OF  
FTM-146-03-L-DV-P**



# SMT MICRO TERMINAL STRIPS

(1.00 mm) .0394" PITCH • FTMH/FTM SERIES



**FTMH**  
Mates:  
CLM, MLE

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FTMH	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	FLEX SHROUD OPTION	OTHER OPTION
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05  
thru  
50

**-02**  
= (1.91 mm)  
.075" Post  
(Mates with MLE)

**-F**  
= Gold flash on post,  
Matte Tin on tail

**-DV**  
= Dual Vertical

(-DV only with 9 pins/row minimum)

**-A**  
= Alignment Pin  
(3 positions min.)  
Metal or plastic at Samtec's discretion (-DV only)

**-ES**  
= End Shroud

**-DH**  
= Dual Horizontal

**-EC**  
= End Shroud with Locking Clip  
(Manual placement required)

**-K**  
= (2.50 mm)  
.098" DIA  
Polyimide Film Pick & Place Pad (-DH only)

**-EP**  
= End Shroud with Guide Post  
(Use only when mating with CLM)

**-P**  
= Plastic Pick & Place Pad  
(6 positions min.) (-DV only)

**-TR**  
= Tape & Reel

**-FR**  
= Full Reel  
Tape & Reel  
(must order max. quantity per reel; contact Samtec for quantity breaks)

## SPECIFICATIONS

### Insulator Material:

Black Liquid Crystal Polymer

### Terminal Material:

Phosphor Bronze

### Plating:

Sn or Au over 50 μ" (1.27 μm) Ni

### Current Rating (FTMH/CLM):

3.1 A per pin

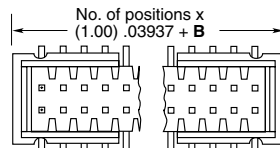
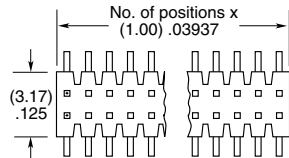
(2 pins powered)

### Operating Temp Range:

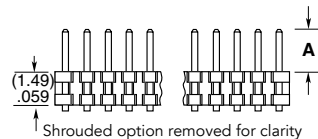
-55 °C to +125 °C

### Voltage Rating:

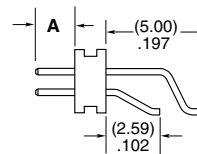
FTMH: 270 VAC



OPTION	B
-ES	(1.57) .062
-EC	(4.06) .160
-EP	(5.49) .216



**-DV OPTION**



**-DH OPTION**

LEAD STYLE	A
-02	(1.91) .075
-03	(1.65) .065

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

-DV: (0.10 mm) .004" max

-DH: (0.10 mm) .004" max (05-25)

(0.15 mm) .006" max (26-50)\*

\*(.004" stencil solution may be available; contact

ipg@samtec.com)

FTM	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	DV	FLEX SHROUD OPTION	OTHER OPTION
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02 thru 50  
= Unshrouded

**-02**  
= (1.91 mm)  
.075" Post  
(Mates with MLE)

**-F**  
= Gold flash on post,  
Matte Tin on tail

**-S**  
= End Shroud  
(05 positions minimum).  
Molded or press-fit shroud at Samtec's discretion

**-P**  
= Plastic Pick & Place Pad  
(7 positions min.)

05 thru 46  
= Shrouded

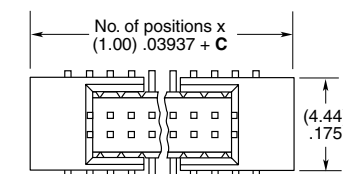
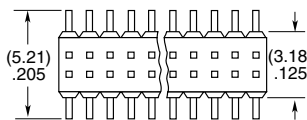
**-03**  
= (1.65 mm)  
.065" Post  
(Mates with CLM)

**-L**  
= 10 μ" (0.25 μm)  
Gold on post,  
Matte Tin on tail

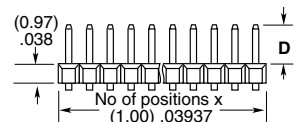
**-SA**  
= End Shroud with Alignment Pins  
(05 through 46 positions)

**-TR**  
= Tape & Reel

**-FR**  
= Full Reel  
Tape & Reel  
(must order max. quantity per reel; contact Samtec for quantity breaks)



OPTION	C
-S	(4.00) .157
-SA	(7.00) .276



Shrouded options removed for clarity

LEAD STYLE	D
-02	(1.91) .075
-03	(1.65) .065

## ALSO AVAILABLE

MOQ Required

End shrouds with board locks

Molded end shrouds for

05 through 08 positions


Other platings



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

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View FTM-146-03-L-DV-P on WIN SOURCE](#)

 [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management