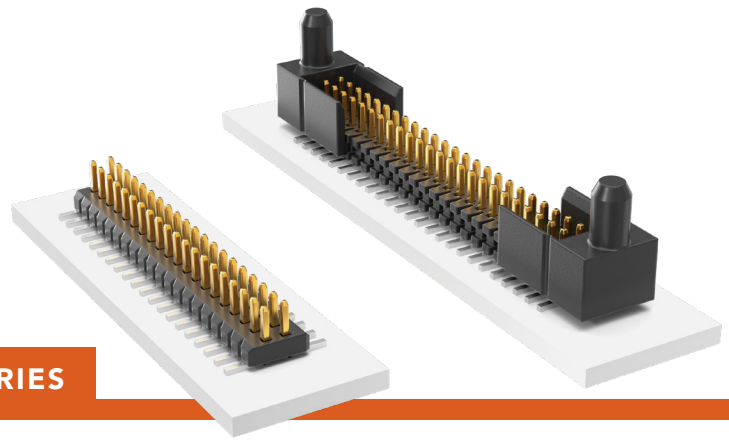


# SMT MICRO TERMINAL STRIPS

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



**FTMH**  
Mates:  
CLM, MLE

**FTM**  
Mates:  
CLM, MLE

FTMH	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	FLEX SHROUD OPTION	OTHER OPTION
------	---	------------------	------------	----------------	------------	--------------------	--------------

02  
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)

-ES  
= End Shroud

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

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

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

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

-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

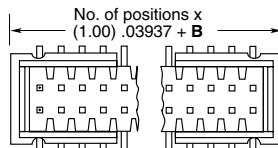
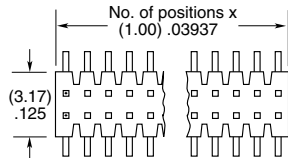
**Terminal Material:**  
Phosphor Bronze

**Plating:**  
Sn or Au over  
50  $\mu$ " (1.27  $\mu$ m) Ni

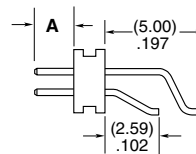
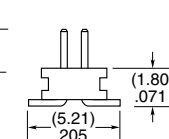
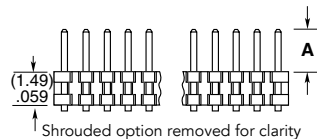
**Current Rating (FTMH/CLM):**  
3.1 A per pin  
(2 pins powered)

**Operating Temp Range:**  
-55 °C to +125 °C

**Voltage Rating:**  
FTMH: 270 VAC /302 VDC



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



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)

## 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.

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

05 thru 46  
= Shrouded

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

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

-L  
= 10  $\mu$ "  
(0.25  $\mu$ m)  
Gold on post,  
Matte Tin on tail

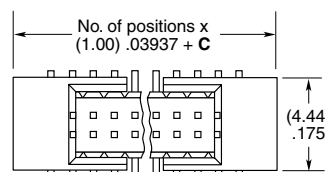
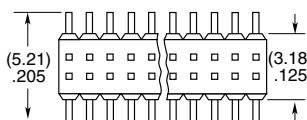
-S  
= End Shroud  
(05 positions minimum).  
Molded or press-fit shroud at Samtec's discretion

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

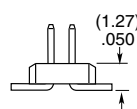
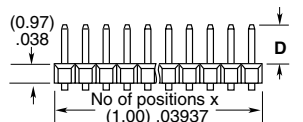
-P  
= Plastic Pick & Place Pad  
(7 positions min.)

-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



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

Shrouded options removed for clarity

# Mouser Electronics

Authorized Distributor

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[FTMH-107-03-L-DV](#) [FTMH-109-02-L-DH](#) [FTMH-120-03-F-DV-ES-A](#) [FTMH-113-03-L-DV](#) [FTMH-112-03-L-DV](#)  
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[ES-A](#) [FTMH-107-03-L-DV-A](#) [FTMH-105-03-F-DV](#) [FTMH-103-02-L-DV](#) [FTMH-107-03-F-DV-ES-P-TR](#) [FTMH-108-02-L-](#)  
[DV-A](#) [FTMH-115-03-F-DV-A](#) [FTMH-135-02-LM-DV-EC-A](#) [FTMH-102-02-L-DV](#) [FTMH-108-03-L-DH](#) [FTMH-105-03-L-](#)  
[DH-K-TR](#) [FTMH-105-03-L-DV-ES-A](#) [FTMH-107-03-F-DV-ES-A](#) [FTMH-107-03-H-DV-ES](#) [FTMH-111-03-L-DV](#) [FTMH-](#)  
[107-02-L-DV-ES](#) [FTMH-110-03-L-DV-ES-P](#) [FTMH-130-02-L-DH](#) [FTMH-125-03-G-DV](#) [FTMH-106-02-L-DH](#) [FTMH-](#)  
[111-02-L-DH](#) [FTMH-105-02-L-DV-ES](#) [FTMH-137-03-H-DV-EC-P](#) [FTMH-138-02-L-DV](#) [FTMH-140-03-F-DH](#) [FTMH-](#)  
[110-03-F-DV-ES-A](#) [FTMH-135-02-L-DH-K](#) [FTMH-112-02-L-DH](#) [FTMH-111-03-L-DV-ES-P-TR](#) [FTMH-121-02-F-DV](#)  
[FTMH-130-02-F-DV-A-P](#) [FTMH-117-02-L-DH](#) [FTMH-117-03-L-DV](#) [FTMH-135-02-L-DV-ES-A](#) [FTMH-121-02-F-DH](#)  
[FTMH-115-03-L-DV-ES-P-TR](#) [FTMH-124-03-F-DV](#) [FTMH-120-03-F-DV](#) [FTMH-140-02-L-DV-ES-A](#) [FTMH-107-02-L-](#)  
[DH](#) [FTMH-115-02-L-DV-ES](#) [FTMH-120-02-F-DV](#) [FTMH-120-03-L-DV-ES](#) [FTMH-140-02-L-DV-A](#) [FTMH-150-02-L-DV](#)  
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[03-L-DV](#) [FTMH-110-02-L-DV-A](#) [FTMH-113-02-F-DH](#) [FTMH-109-03-L-DV](#)