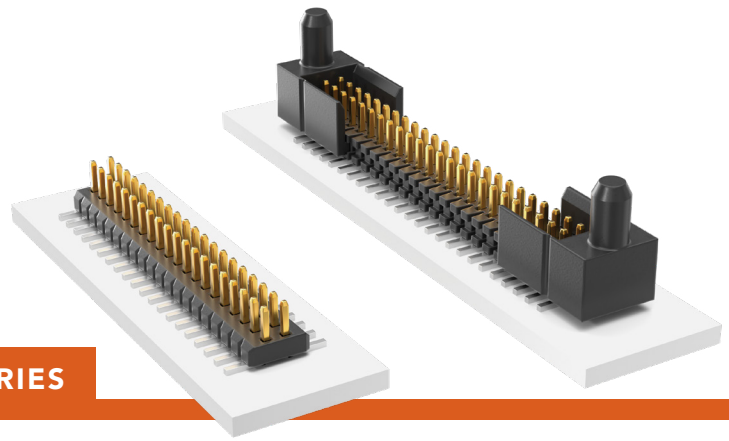


# SMT MICRO TERMINAL STRIPS

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



## FTMH

Mates:  
CLM, MLE

## FTM

Mates:  
CLM, MLE

### 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

### 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.

| FTMH | 1 | NO. PINS<br>PER ROW | LEAD<br>STYLE | PLATING<br>OPTION | ROW<br>OPTION | FLEX SHROUD<br>OPTION | OTHER<br>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)

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

-ES  
= End Shroud

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

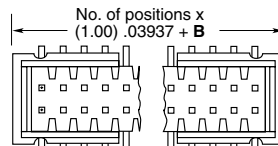
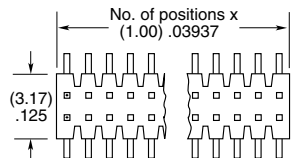
-K  
= (2.50 mm)  
.098" DIA  
Polyimide Film  
Pick & Place Pad  
(-DH only)

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

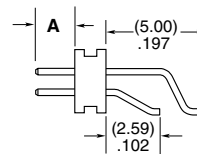
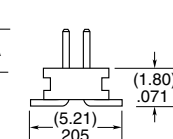
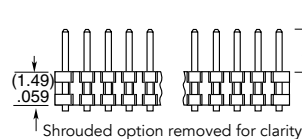
-P  
= Plastic Pick  
& Place Pad  
(6 positions min.)  
(-DV only)

-TR  
= Tape & Reel

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



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



| LEAD<br>STYLE | A           |
|---------------|-------------|
| -02           | (1.91) .075 |
| -03           | (1.65) .065 |

-DV OPTION

-DH OPTION

| FTM | 1 | NO. PINS<br>PER ROW | LEAD<br>STYLE | PLATING<br>OPTION | DV | FLEX SHROUD<br>OPTION | OTHER<br>OPTION |
|-----|---|---------------------|---------------|-------------------|----|-----------------------|-----------------|
|-----|---|---------------------|---------------|-------------------|----|-----------------------|-----------------|

02 thru 50  
= Unshrouded

05 thru 46  
= Shrouded

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

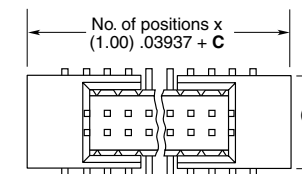
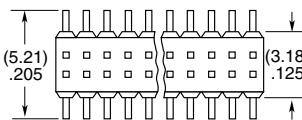
-F  
= Gold flash  
on post,  
Matte Tin  
on tail

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

-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)

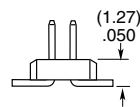
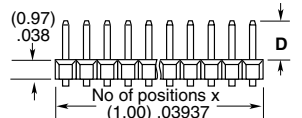


-03  
= (1.65 mm)  
.065" Post  
(Mates  
with CLM)

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

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

| OPTION | C              |
|--------|----------------|
| -S     | (4.00)<br>.157 |
| -SA    | (7.00)<br>.276 |



| LEAD<br>STYLE | D              |
|---------------|----------------|
| -02           | (1.91)<br>.075 |
| -03           | (1.65)<br>.065 |

Shrouded options removed for clarity