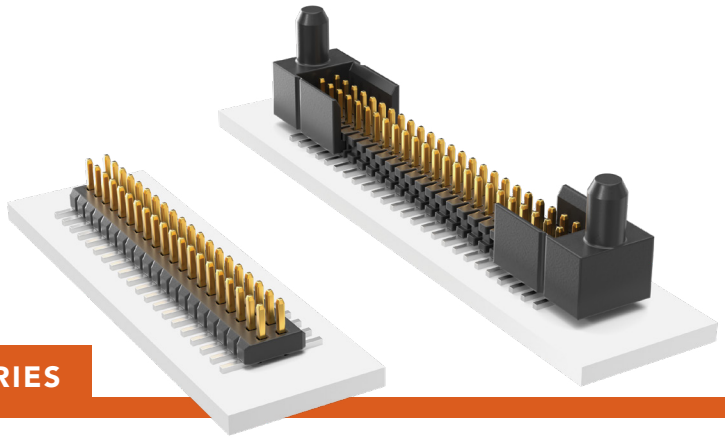
SMT MICRO TERMINAL STRIPS

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



FTMH
Mates:
CLM, MLE

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SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
Sn or Au over 50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C
Current Rating (FTMH/CLM):
3.1 A per pin (2 pins powered)
Voltage Rating:
FTMH: 270 VAC /382 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
Contact Samtec

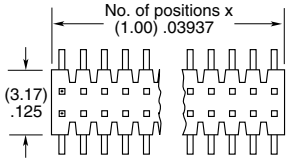
End shrouds with board locks
Molded end shrouds for 05 through 08 positions
Other platings

10 YEAR MFG WITH 30 µ" GOLD
EXTENDED LIFE PRODUCT
HIGH MATING CYCLES

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

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

NO. PINS PER ROW
02 thru 50



LEAD STYLE
–02
= (1.91 mm) .075" Post (Mates with MLE)

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

PLATING OPTION
–F
= Gold flash on post, Matte Tin on tail

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

ROW OPTION
–DV
= Dual Vertical

–DH
= Dual Horizontal (5 positions min.)

FLEX SHROUD OPTION
(-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)

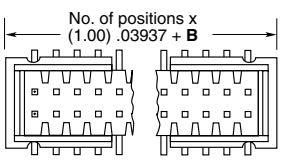
OTHER OPTION
–A
= Alignment Pin (3 positions min.) Metal or plastic at Samtec discretion (–DV only)

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

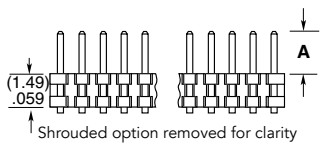
–P
= Plastic Pick & Place Pad (6 positions min.) (–DV only)

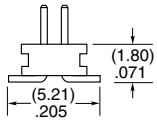
–TR
= Tape & Reel

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

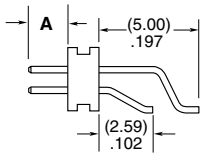


OPTION	B
–ES	(1.57) .062
–EC	(4.06) .160
–EP	(5.49) .216





-DV OPTION



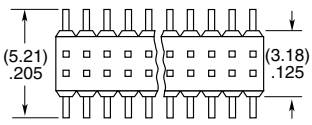
-DH OPTION

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

FTM – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – DV – FLEX SHROUD OPTION – OTHER OPTION

NO. PINS PER ROW
02 thru 50
= Unshrouded

05 thru 46
= Shrouded



LEAD STYLE
–02
= (1.91 mm) .075" Post (Mates with MLE)

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

PLATING OPTION
–F
= Gold flash on post, Matte Tin on tail

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

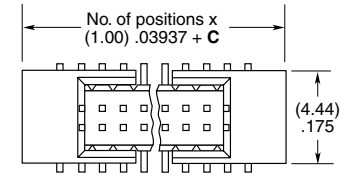
FLEX SHROUD OPTION
–S
= End Shroud (05 positions minimum). Molded or press-fit shroud at Samtec's discretion

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

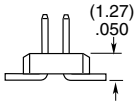
OTHER OPTION
–P
= Plastic Pick & Place Pad (7 positions min.)

–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

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.