



(2,00 mm) .0787"



TMMH-125-04-F-D-EP

TMMH-116-04-L-6



# FLEXIBLE THROUGH-HOLE HEADER

## SPECIFICATIONS

For complete specifications see [www.samtec.com?TMMH](http://www.samtec.com?TMMH)

### Insulator Material:

Black Liquid Crystal Polymer

### Terminal Material:

Phosphor Bronze

### Plating:

Sn or Au over

50µ" (1,27 µm) Ni

### Current Rating (TMMH/ESQT):

4.5 A per pin

(1 pin powered per row)

### Current Rating (TMMH/SQT):

5.1 A per pin

(1 pin powered per row)

### Operating Temp Range:

-55°C to +105°C with Tin;

-55°C to +125°C with Gold

### Voltage Rating:

500 VAC mated with SQW

### RoHS Compliant:

Yes

### Lead-Free Solderable:

Yes

### Mates with:

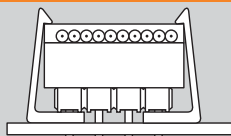
CLT, SQT, SQW,  
ESQT, TLE, SMM,  
MMS, TCSD



EXTENDED LIFE PRODUCT

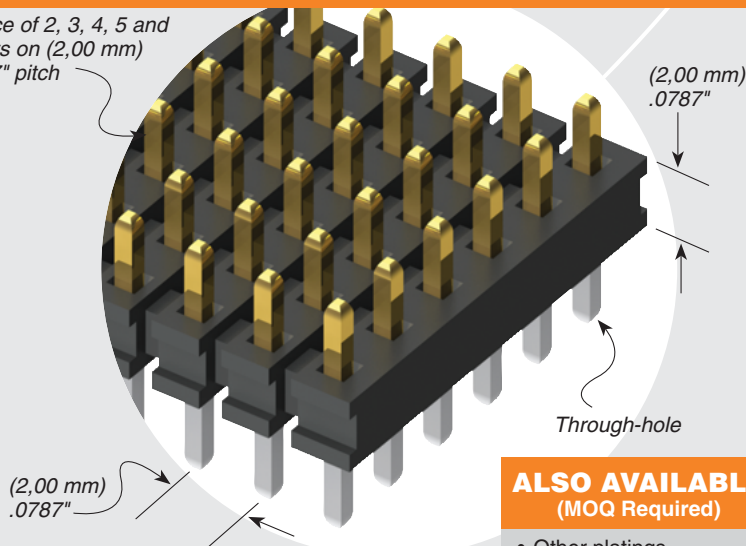
10 year Mixed Flowing Gas with 30µ" Gold  
Call Samtec for maximum mated cycles

## APPLICATION



Retention Clip Option (-RC)

Choice of 2, 3, 4, 5 and  
6 rows on (2,00 mm)  
.0787" pitch

(2,00 mm)  
.0787"

Through-hole

(2,00 mm)  
.0787"

## ALSO AVAILABLE (MOQ Required)

• Other platings  
Contact Samtec.

## RECOGNITIONS

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



FILE NO. E111594

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

TMMH

1

NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTION

03 thru 50

Specify  
LEAD STYLE  
from chart

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

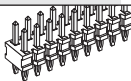
-L  
= 10µ" (0,25 µm)  
Gold on post,  
Matte Tin on tail

-T  
= Matte Tin

## Other Solutions

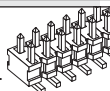
### Press Fit

See PTT Series.



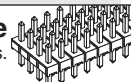
### Surface Mount

See previous page.



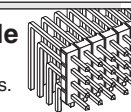
### Low Profile

See TMM Series.



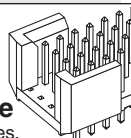
### Right Angle Four Row

See TMM Series.

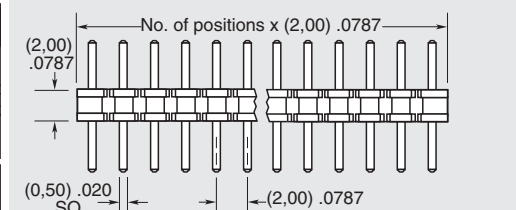
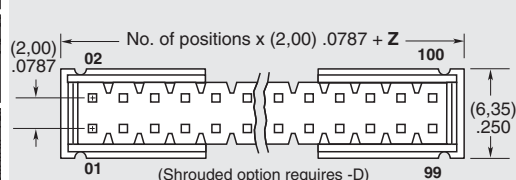
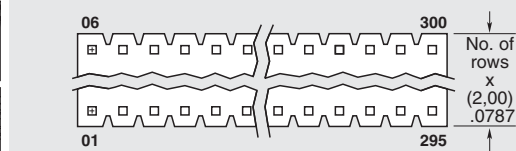


### Shrouded Four Row Vertical & Right Angle

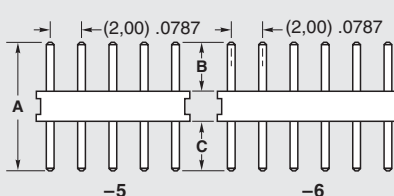
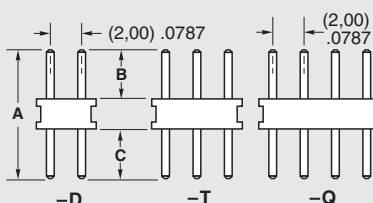
See TMMS Series.



Paste In Hole (PIH) processing.  
Contact Samtec ASP Group for  
part customization.

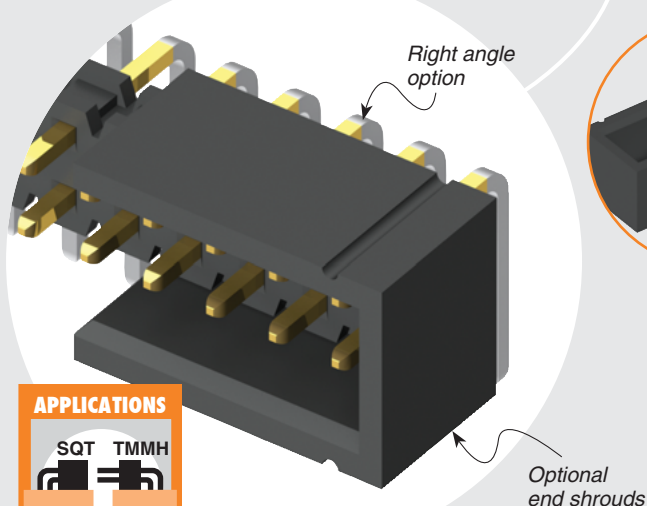


| OPTION     | Z              | LEAD STYLE | A              | B              | C              |
|------------|----------------|------------|----------------|----------------|----------------|
| -ES        | (2,92)<br>.115 | -01        | (7,67)<br>.302 | (3,20)<br>.126 | (2,46)<br>.097 |
| -EC        | (4,70)<br>.185 | -04        | (6,45)<br>.254 | (1,91)<br>.075 | (2,57)<br>.101 |
| -EP & -EPC | (6,10)<br>.240 | -05        | (5,94)<br>.234 | (1,65)<br>.065 | (2,29)<br>.090 |
| -EL & -EBC | (4,45)<br>.175 | -06        | (8,74)<br>.344 | (3,20)<br>.126 | (3,53)<br>.139 |





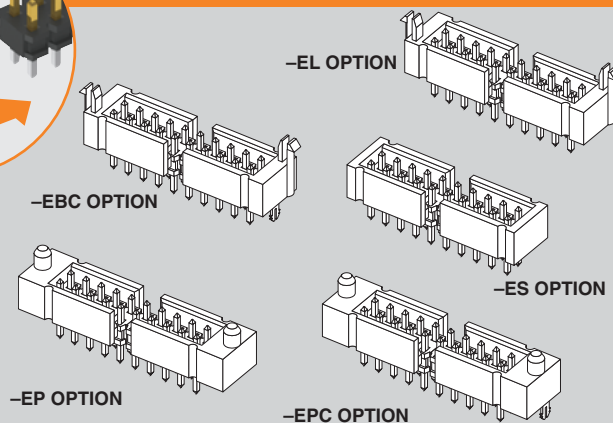
## TMMH SERIES



### APPLICATIONS



## FLEX SHROUD OPTIONS

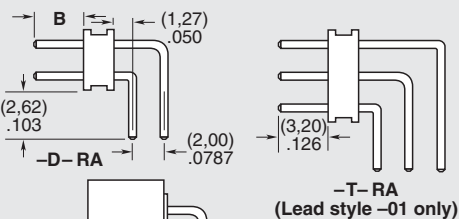


### ROW OPTION

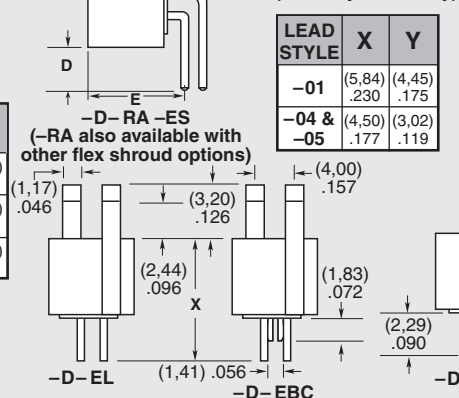
- D**  
= Double Row  
(Required for Flex Shroud option)
- T**  
= Triple Row
- Q**  
= Four Row
- 5**  
= Five Row
- 6**  
= Six Row

### TAIL OPTION

- RA**  
= Right Angle  
(Double & Triple Row only)  
(-ES, -EP, -EL Double Row only)  
(-EC, -EBC and -EPC not available)  
(-06 Lead style not available)



| LEAD STYLE | D              | E              |
|------------|----------------|----------------|
| -01        | (2,34)<br>.092 | (6,60)<br>.260 |
| -04        | (2,62)<br>.103 | (5,26)<br>.207 |
| -05        | (3,12)<br>.123 | (5,26)<br>.207 |

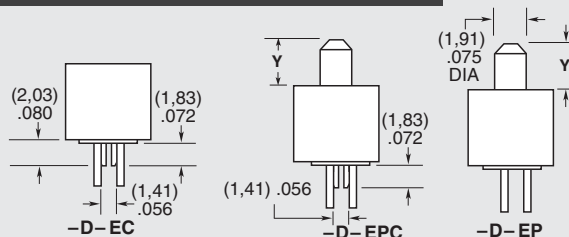


| LEAD STYLE | X              | Y              |
|------------|----------------|----------------|
| -01        | (5,84)<br>.230 | (4,45)<br>.175 |
| -04 & -05  | (4,50)<br>.177 | (3,02)<br>.119 |

### FLEX SHROUD OPTIONS

Flex Shroud requires -D row & 9 pins/row minimum  
(For board-to-board interfaces. Will not mate with TCSD)

- ES**  
= End Shroud
- EC**  
= End Shroud with Locking Clip  
(Manual placement required)
- EP**  
= End Shroud with Guide Post
- EL**  
= End Shroud with Board Lock  
(Boards are positively locked and cannot be unmated)
- EBC**  
= End Shroud with Board Lock and Locking Clip  
(Boards are positively locked and cannot be unmated)
- EPC**  
= End Shroud with Guide Post and Locking Clip  
(Manual placement required)



### OTHER OPTIONS

- “XXX”**  
= Polarized Position  
(Specify position of omitted pin)
- RC**  
= Retention Clip  
(Mates to TCSD)  
(Double row only, minimum position 4 and available only -06 lead style)

