

(2.00 mm) .0787"

TMMH-116-04-L-6

TMMH-125-04-F-D-EP

# 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

50  $\mu$ " (1.27  $\mu$ m) Ni

**Current Rating (TMMH/ESQT):**

4.5 A per pin

(2 pins powered)

**Current Rating (TMMH/SQT):**

5.1 A per pin

(2 pins powered)

### Operating Temp Range:

-55 °C to +105 °C with Tin;

-55 °C to +125 °C with Gold

### Voltage Rating:

281 VAC mated with SQW;

250 VAC mated with SQT

### RoHS Compliant:

Yes

**Lead-Free Solderable:** Yes

### Board Mates:

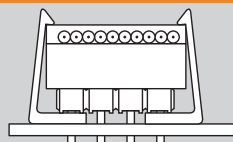
CLT, SQT, SQW, ESQT,  
TLE, SMM, MMS

### Cable Mates:

TCSD



## APPLICATION



Retention Clip Option (-RC)

Choice of 2, 3, 4, 5 and  
6 rows on (2.00 mm)  
.0787" pitch

(2.00 mm)  
.0787"

(2.00 mm)  
.0787"

Through-hole

**ALSO AVAILABLE**  
(MOQ Required)

• Other platings

## RECOGNITIONS

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



**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

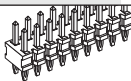
-F  
= Gold flash  
on post,  
Matte Tin on tail

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

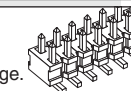
-T  
= Matte Tin

## Other Solutions

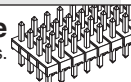
**Press-fit**  
See PTT Series.



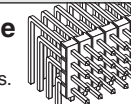
**Surface Mount**  
See previous page.



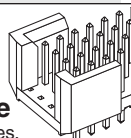
**Low Profile**  
See TMM Series.



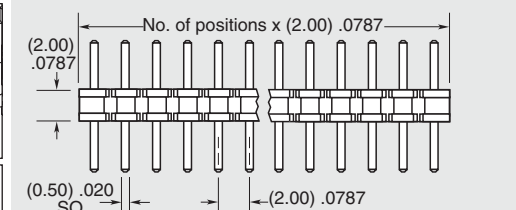
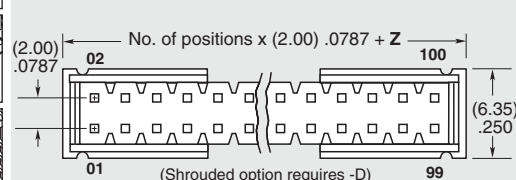
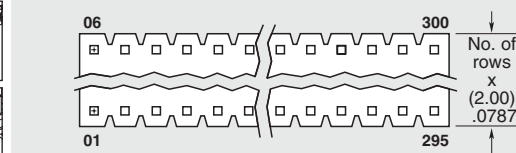
**Right-angle Four Row**  
See TMM Series.



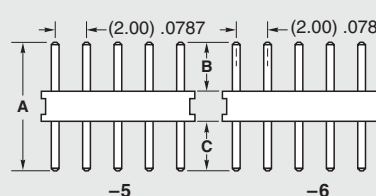
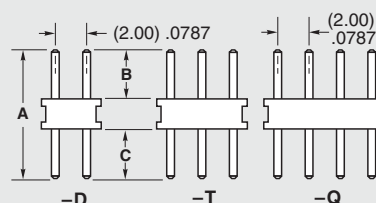
**Shrouded Four Row Vertical & Right-angle**  
See TMMS Series.



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 |

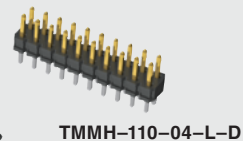
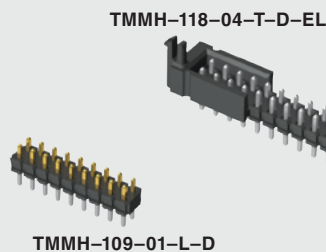
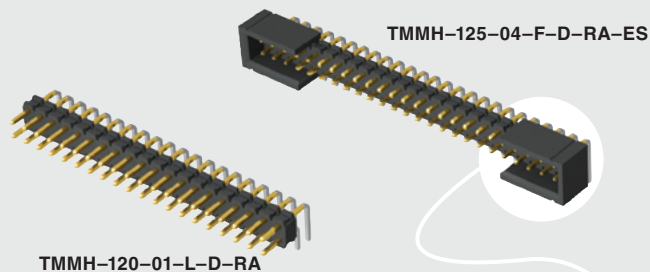


Due to technical progress, all designs, specifications and components are subject to change without notice.

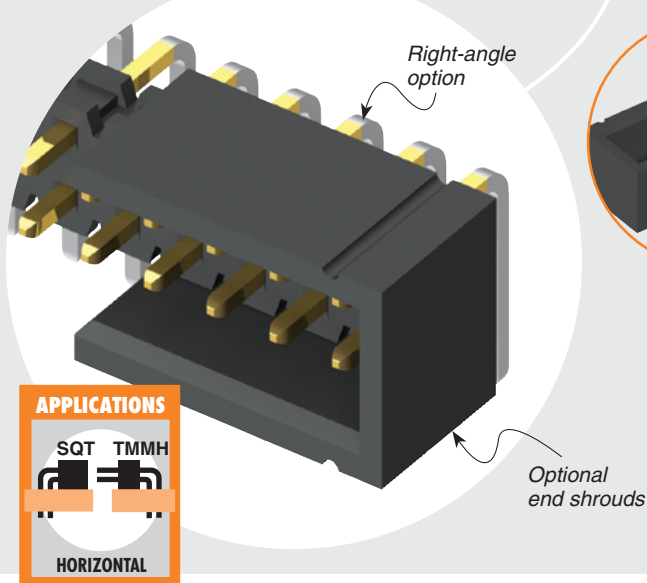
[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

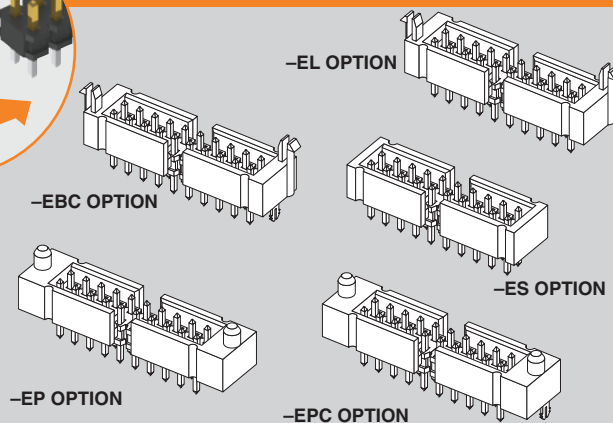
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.



## TMMH SERIES



## FLEX SHROUD OPTIONS

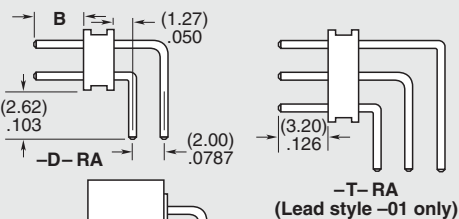


### ROW OPTION

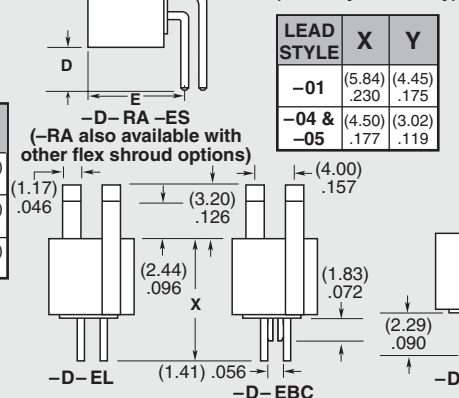
- D**  
= Double Row  
(Required for Flex Shroud option)
- T**  
= Triple Row
- Q**  
= Four Row
- 5**  
= Five Row
- 6**  
= Six Row

### 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 |

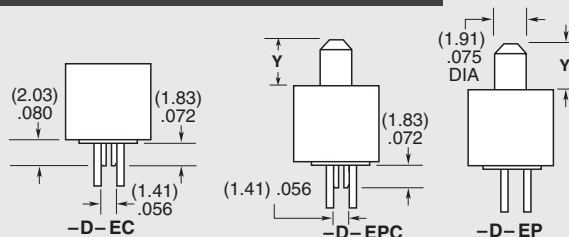


| LEAD STYLE | X              | Y              |
|------------|----------------|----------------|
| -01        | (5.84)<br>.230 | (4.45)<br>.175 |
| -04 & -05  | (4.50)<br>.177 | (3.02)<br>.119 |

### FLEX SHROUD OPTIONS

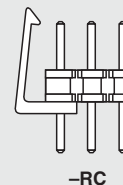
Flex Shroud requires -D row & 9 pins/row minimum  
(For board-to-board interfaces. Will not mate with TCSD)

- 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)



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