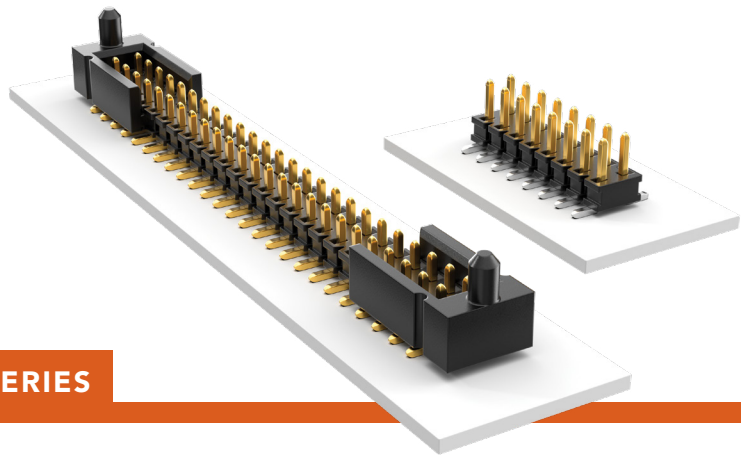


# FLEXIBLE SMT HEADER

(2.00 mm) .0787" PITCH • TMMH SERIES



## TMMH

### Board Mates:

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

### Cable Mates:

TCSD

## 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 (TMMH/CLT):

4.2 A per pin  
(2 pins powered)

### 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:

405 VAC/573 VDC  
mated with CLT;  
281 VAC/397 VDC  
mated with SQW;  
250 VAC/354 VDC  
mated with SQT

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max

## ALSO AVAILABLE

MOQ Required

Other Platings



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

| TMMH | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | DV | FLEX SHROUD OPTIONS | OTHER OPTIONS |
|------|---|------------------|------------|----------------|----|---------------------|---------------|
|------|---|------------------|------------|----------------|----|---------------------|---------------|

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

All Flex Shroud options  
require 9 pins/row minimum  
(For board-to-board  
interfaces. Will not  
mate with TCSD)

**-ES**  
= End Shroud  
(For best cost also  
see TSH Series)

**-EC**  
= End Shroud  
with Locking Clip  
(For best cost also  
see TSH Series)  
(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)

**-"XXX"**  
= Polarized Position.  
Specify position of  
omitted pin

**-A**  
= Alignment Pin  
(3 positions minimum)  
(Not available with -LC)

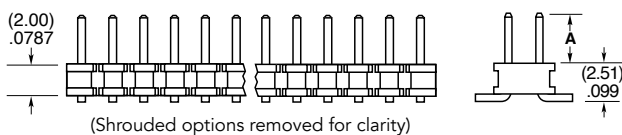
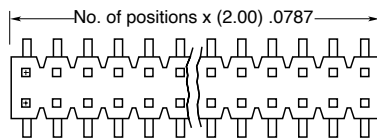
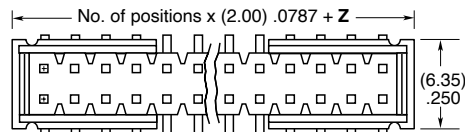
**-LC**  
= Locking Clip  
(5 positions minimum)  
(Not available with -A)  
(Manual placement  
required)

**-M**  
= Pick & Place Pad  
(5 positions minimum)

**-TR**  
= Tape & Reel Packaging  
(36 positions maximum)  
(Flex Shroud options  
not available except  
-ES, -EP & -EL)

**-FR**  
= Full Reel  
Tape & Reel  
(must order max.  
quantity per reel;  
contact Samtec for  
quantity breaks)  
(36 positions maximum)  
(Flex Shroud options  
not available except  
-ES, -EP & -EL)

| OPTION     | Z           |
|------------|-------------|
| -ES        | (2.92) .115 |
| -EC        | (4.70) .185 |
| -EP & -EPC | (6.10) .240 |
| -EL & -EBC | (4.45) .175 |



| LEAD STYLE | A           | MATES WITH                          |
|------------|-------------|-------------------------------------|
| -01        | (3.20) .126 | SQT, SQW, ESQT, TLE, SMM, MMS, TCSD |
| -04        | (1.91) .075 | CLT                                 |
| -05        | (1.65) .065 |                                     |

