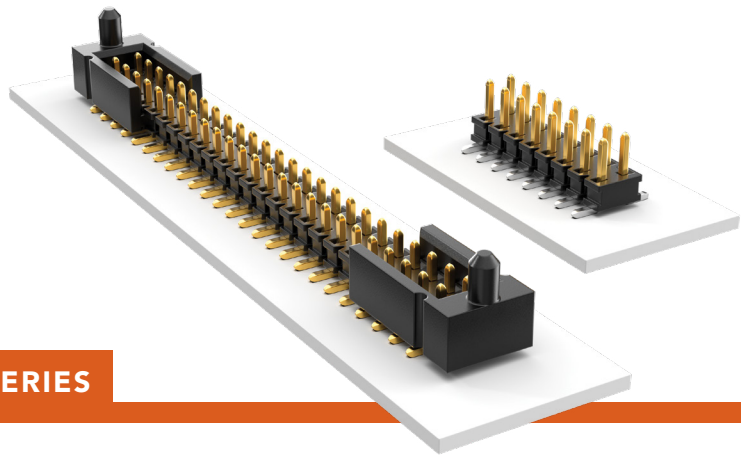


# FLEXIBLE SMT HEADER

(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

### Operating Temp Range:

-55 °C to +105 °C with Tin;

-55 °C to +125 °C with Gold

### 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)

### 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

| 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)

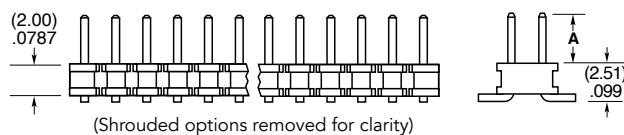
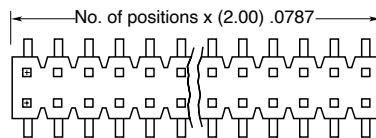
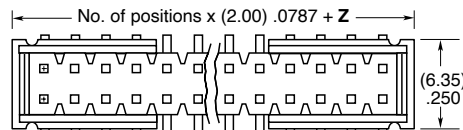
–LC  
= Locking Clip  
(5 positions minimum)  
(Not available with –A)  
(Manual placement  
required)

–M  
= Pick & Place Pad  
(5 positions minimum)

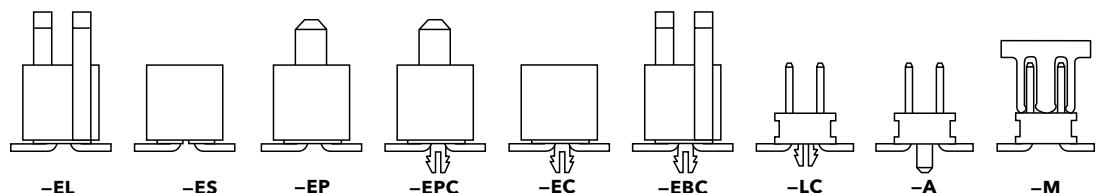
–TR  
= Tape & Reel Packaging  
(36 positions maximum)  
(Flex Shroud options  
not available except  
–ES, –EP & –EL)

–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 |                                     |



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

