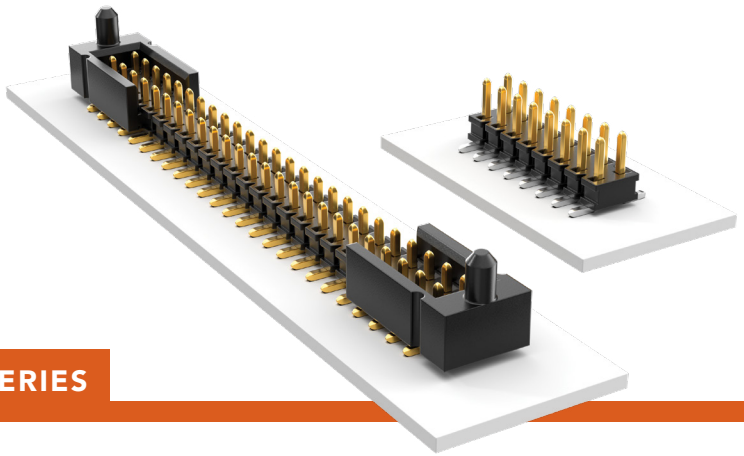
# FLEXIBLE SMT HEADER

## (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 µ" (1.27 µm) 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

## ALSO AVAILABLE
Contact Samtec

Other Platings

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

| 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 µ" (0.25 µm) 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)

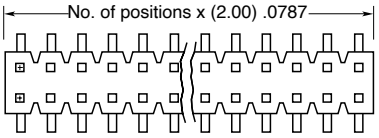
**–LC**
= Locking Clip (5 positions minimum) (Not available with –A) (Manual placement required)

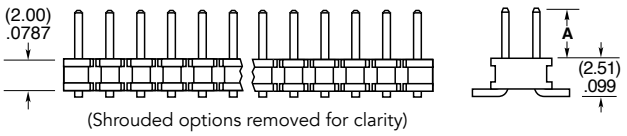
**–M**
= Pick & Place Pad (5 positions minimum)

**–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)

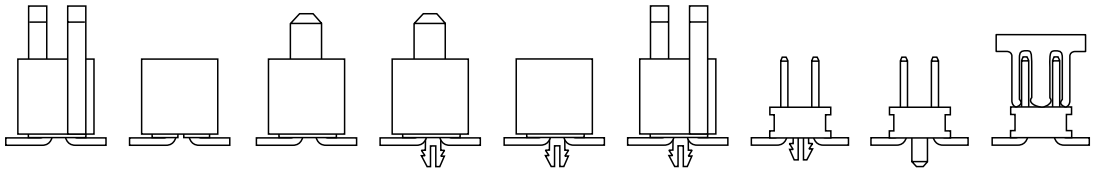
| OPTION | Z |
|---|---|
| –ES | (2.92) .115 |
| –EC | (4.70) .185 |
| –EP & –EPC | (6.10) .240 |
| –EL & –EBC | (4.45) .175 |




(Shrouded options removed for clarity)

| 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.



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.