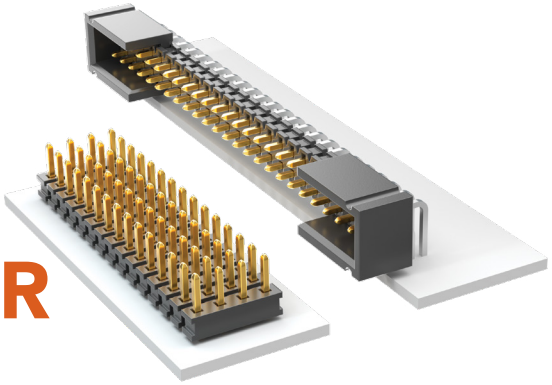
# FLEXIBLE THROUGH-HOLE HEADER



## (2.00 mm) .0787" PITCH • TMMH SERIES

**TMMH**
**Board Mates:**
CLT, SQT, SQW, ESQT, TLE, SMM, MMS

**Cable Mates:**
TCSD

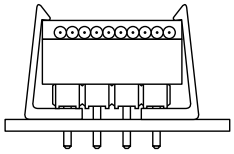
## SPECIFICATIONS

**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

## APPLICATION



Retention Clip Option (–RC)

## ALSO AVAILABLE
Contact Samtec

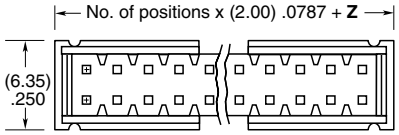
Other Platings

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

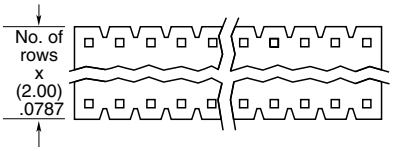
**Note:**
Some lengths, styles and options are non-standard, non-returnable.

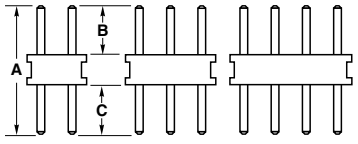
| TMMH | – | 1 | – | NO. PINS PER ROW | – | LEAD STYLE | – | PLATING OPTION | – | ROW OPTION | – | TAIL OPTION | – | FLEX SHROUD OPTIONS | – | OTHER OPTIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 03 thru 50 | | Specify LEAD STYLE from chart | | –F = Gold flash on post, Matte Tin on tail<br>–L = 10 µ" (0.25 µm) Gold on post, Matte Tin on tail<br>–T = Matte Tin | | –D = Double Row (Required for Flex Shroud option)<br>–T = Triple Row<br>–Q = Four Row<br>–5 = Five Row<br>–6 = Six Row | | –RA = Right-angle (Double & Triple Row only) (–ES, –EP, –EL Double Row only) (–EC, –EBC and –EPC not available) (–06 Lead style not available) | | Flex Shroud requires -D row & 9 pins/row minimum (For board-to-board interfaces. Will not mate with TCSD)<br>–ES = End Shroud<br>–EC = End Shroud with Locking Clip (Manual placement required)<br>–EP = End Shroud with Guide Post<br>–EL = End Shroud with Board Lock (Boards are positively locked and cannot be unmated)<br>–EBC = End Shroud with Board Lock and Locking Clip (Boards are positively locked and cannot be unmated)<br>–EPC = End Shroud with Guide Post and Locking Clip (Manual placement required) | | –"XXX" = Polarized Position (Specify position of omitted pin)<br>–RC = Retention Clip (Mates to TCSD) (Double row only, minimum position 4 and available only –06 lead style) |

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

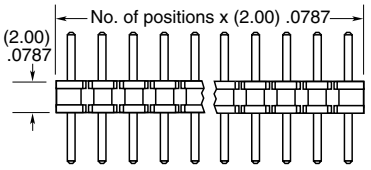



**(Shrouded option requires –D)**

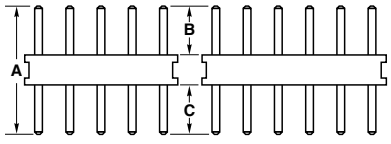


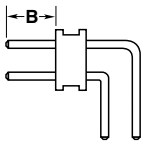

–D –T –Q



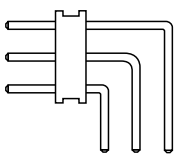

(Shrouded options removed for clarity)



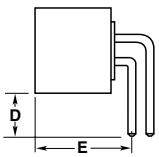

–5 –6




–RA

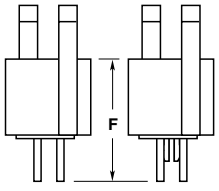


–T–RA
**(Lead style –01 only)**

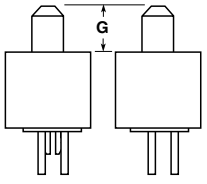



**–D–RA–ES**
**(–RA also available with other flex shroud options)**

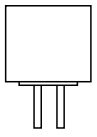
| LEAD STYLE | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| –01 | (7.67) .302 | (3.20) .126 | (2.46) .097 | (2.34) .092 | (6.60) .260 | (5.84) .230 | (4.45) .175 |
| –04 | (6.45) .254 | (1.91) .075 | (2.57) .101 | (2.62) .103 | (5.26) .207 | (4.50) .177 | (3.02) .119 |
| –05 | (6.45) .254 | (1.65) .065 | (2.29) .090 | (3.12) .123 | 5.26) .207 | | |
| –06 | (8.74) .344 | (3.20) .126 | (3.53) .139 | N/A | N/A | N/A | N/A |



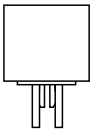

–D–EL –D–EBC



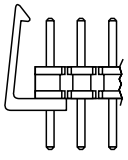

–D–EPC –D–EP



–D–ES



–D–EC



–RC



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.