

# SHROUDED HEADERS

(2.00 mm) .0787" PITCH • TSH/TMMS SERIES



## TSH

### Mates:

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

## TMMS

### Mates:

SQT, SQW, ESQT

## 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

## PROCESSING

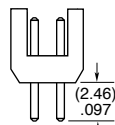
### Lead-Free Solderable:

Yes

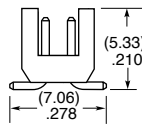
### SMT Lead Coplanarity (TSH):

(0.15 mm) .006" max\*  
\*(.004" stencil solution  
may be available; contact  
ipg@samtec.com)

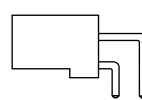
| TSH | 1 | NO. PINS PER ROW                                                                       | 01 | PLATING OPTION                                                                                                                                  | ROW OPTION                                                                                                                                             | OTHER OPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----|---|----------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |   | 05, 10, 15, 20, 25,<br>30, 35, 40, 45<br>(40 & 45 = -D & -RA only)<br>(Standard sizes) |    | -F<br>= Gold flash on post, Matte Tin on tail<br><br>-L<br>= 10 $\mu$ " (0.25 $\mu$ m) Gold on post, Matte Tin on tail<br><br>-T<br>= Matte Tin | -D<br>= Vertical Through-hole<br><br>-DV<br>= Vertical Surface Mount<br><br>-RA<br>= Right-angle Through-hole<br><br>-DH<br>= Horizontal Surface Mount | -LC<br>= Locking Clip (-DV only)<br>(Not available with -A)<br>(Manual placement required)<br><br>-A<br>= Alignment Pin (-DV only)<br>(Not available with -LC)<br><br>-SL<br>= Solder Locks (-DH only)<br><br>-K<br>= (4.50 mm) .177" DIA Polyimide Film Pick & Place Pad (-DH only)<br>(Not available with 15 - 30 positions)<br><br>-TR<br>= Tape & Reel<br><br>-FR<br>= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) |



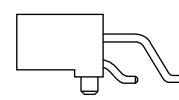
-D



-DV



-RA



-DH

| TMMS | 1 | NO. PINS PER ROW              | 01 | PLATING OPTION                                                                                                         | Q | OPTION               | FS |
|------|---|-------------------------------|----|------------------------------------------------------------------------------------------------------------------------|---|----------------------|----|
|      |   | 05, 10, 15,<br>20, 30, 40, 50 |    | -F<br>= Gold flash on post, Matte Tin on tail<br><br>-L<br>= 10 $\mu$ " (0.25 $\mu$ m) Gold on post, Matte Tin on tail |   | -RA<br>= Right-angle |    |



-RA

## ALSO AVAILABLE

MOQ Required

Other sizes

Other plating

### Note:

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