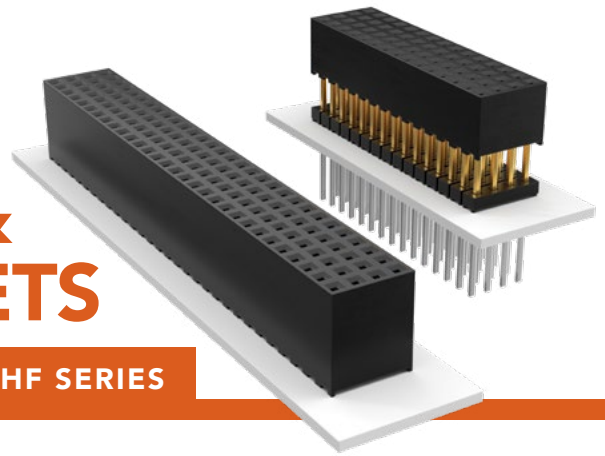


# FLEXIBLE ELEVATED & SELF-NESTING SOCKETS

(2.00 mm) .0787" PITCH • ESQT/ESQT (-368)/PTHF SERIES



## ESQT

### Board Mates:

TMMH, TMM, MTMM,  
MMT, TW, LTMM, ZLTMM,  
ESQT, PTT, TSH, TMMS

### Cable Mates:

TCMD

## SPECIFICATIONS

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Sn or Au over

50  $\mu$ " (1.27  $\mu$ m) Ni

### Current Rating (ESQT/TMMH):

4.5 A per pin

(2 pins powered)

### Operating Temp Range:

-55 °C to +125 °C

### Insertion Depth:

(2.62 mm) .103" to

(5.03 mm) .198" with

(0.38 mm) .015" wipe

### Max Cycles:

100 with 10  $\mu$ " (0.25  $\mu$ m) Au

### Lead-Free Solderable:

Yes, for -S, -D & -Q

(Wave only for -T, -5 & -6)

| ESQT | 1 | NO. PINS PER ROW | LEAD STYLE                    | PLATING OPTION                                                                                                                                                                                                                                                                                                                                       | ROW OPTION                                                                                                                                    | BODY HEIGHT                                                                                                              | OTHER OPTION                                               |
|------|---|------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
|      |   | 02 thru 50       | Specify LEAD STYLE from chart | -F<br>= Gold flash on contact, Matte Tin on tail<br><br>-L<br>= 10 $\mu$ " (0.25 $\mu$ m)<br>Gold on contact, Matte Tin on tail<br><br>-M<br>= 20 $\mu$ " (0.51 $\mu$ m)<br>Gold on contact, Matte Tin on tail<br><br>-GF<br>= 15 $\mu$ " (0.38 $\mu$ m)<br>Gold on contact, Gold flash on tail (Recommended for self-nesting) (-02 lead style only) | -S<br>= Single Row<br><br>-D<br>= Double Row<br><br>-T<br>= Triple Row<br><br>-Q<br>= Quad Row<br><br>-5<br>= Five Row<br><br>-6<br>= Six Row | - "XXX"<br>= Body Height (in inches)<br>(7.87 mm) .310" minimum for -S, -D, -Q<br>(9.53 mm) .375" minimum for -T, -5, -6 | - "XXX"<br>= Polarized Position (Indicate position number) |

| LEAD STYLE | A            | MAX TAIL     | MAX BODY HEIGHT |
|------------|--------------|--------------|-----------------|
| -02        | (21.59) .850 | (13.72) .540 | (20.32) .800    |
| -03        | (11.63) .458 | (3.76) .148  | (10.36) .408    |

## ESQT (-368)/PTHF

### Mates:

ESQT, PTHF

## SPECIFICATIONS

### Insulator Material:

Black Liquid Crystal Polymer (ESQT-368)

Black High Temp Nylon (PTHF)

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over

50  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-55 °C to +125 °C

### Normal Force:

60 grams (0.59 N) average

### Max Cycles:

100 with 10  $\mu$ " (0.25  $\mu$ m) Au

### Lead-Free Solderable:

Yes (ESQT-368)

| SERIES | 1 | NO. PINS PER ROW | LEAD STYLE                    | PLATING OPTION                                                                                                                                                                                       | Q | 368 |
|--------|---|------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|
| ESQT   |   | 30               | Specify LEAD STYLE from chart | -GF<br>= 15 $\mu$ " (0.38 $\mu$ m)<br>Gold on contact, Gold flash on tail (-02 Lead Style only)<br><br>-M<br>= 20 $\mu$ " (0.51 $\mu$ m)<br>Gold on contact, Matte Tin on tail (-03 Lead Style only) |   |     |
| PTHF   |   |                  |                               |                                                                                                                                                                                                      |   |     |

| LEAD STYLE | ESQT         |              | PTHF         |              |
|------------|--------------|--------------|--------------|--------------|
|            | A            | B            | A            | B            |
| -02        | (21.59) .850 | (12.24) .482 | (21.59) .850 | (12.24) .482 |
| -03        | (11.63) .458 | (2.29) .090  | (12.34) .486 | (3.00) .118  |

**ESQT (-368) SERIES**

**PTHF SERIES**

## TOOLING

Press-Fit  
CAT-PT-130-A-4

For more information, visit  
[www.samtec.com/tooling](http://www.samtec.com/tooling)

### Note:

This Series is non-standard, non-returnable.

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