

# FLEXIBLE ELEVATED & LF-NESTING SOCKETS

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



#### **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** 

Phosphor Broize
Plating:
Sn or Au over
50 µ" (1.27 µm) Ni
Current Rating (ESQT/TMMH):

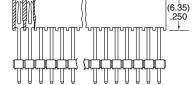
4.5 A per pin (2 pins powered)

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:

Max Cycles: 100 with 10 µ" (0.25 µm) Au Lead-Free Solderable: Yes, for -S, -D & -Q (Wave only for -T, -5 & -6)



No. of positions x (2.00) .0787 + (0.30) .012

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#### NO. PINS PER ROW IFAD **PLATING ESQT STYLE OPTION**

02 thru 50

Specify LEAD **STYLE** from chart

No<sup>1</sup>of

rows

(2.00)

`.0787

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30

–F = Gold flash on contact, Matte Tin on tail

> = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail

> -M = 20 μ" (0.51 μm) Gold on contact Matte Tin on tail

> > -GF

= 15 µ" (0.38 µm) Gold on contact, Gold flash on tail (Recommended for self-nesting) (-02 lead style only)

#### LEAD STYLE 21.59) (13.72) (20.32) -02 850 .540 800 (3.76) .148

(11.63)

.458

#### **ROW BODY** HEIGHT OPTION

= Single Row

-D

= Double Row

-T= Triple Row

**-Q** 

= Quad Row

-5

= Five Row

-6

= Six Row

-"XXX"

(7.87 mm) .310" minimum for -S. -D. -Q

## = Body Height (in inches)

**OTHER** 

**OPTION** 

**-"XXX"** = Polarized

Position

(Indicate

position

number)

368

PTHE

R

(12.24)

.482

(3.00)

.118

Α

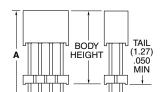
(21.59)

.850

(12.34)

.486

(9.53 mm) .375" minimum for -T, -5, -6



O

**ESOT** 

R

(12.24)

.482

(2.29)

.090

Α

(21.59)

.850

(11.63)

.458

LEAD STYLE

-02

-03

#### 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 μ" (1.27 μm) Ni **Operating Temp Range:** 55 °C to +125 °C

Normal Force:

Max Cycles: 100 with 10 μ" (0.25 μm) Au Lead–Free Solderable: Yes (ESQT-368)

### **TOOLING**

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

For more information, visit www.samtec.com/tooling

This Series is non-standard, non-returnable.

#### NO. PINS PER ROW **LEAD PLATING SERIES**

-03

**ESQT** = Solder Tails

**PTHF** = Press-fit Tails

DDED-P

MOD

Specify LEAD **STYLE** from chart

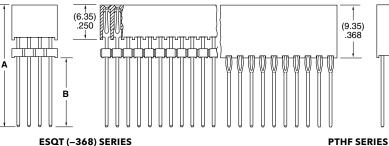
-GF = 15  $\mu$ " (0.38  $\mu$ m) Gold on contact, Gold flash on tail (-02 Lead Style only)

(10.36)

.408

**-M**= 20 μ" (0.51 μm)
Gold on contact, Matte Tin on tail (-03 Lead Style only)

		1
		(8.00)
(60.30) 2.374		
72. #X. /I		



ESQT (-368) SERIES

## **Mouser Electronics**

**Authorized Distributor** 

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Samtec:

ESQT-116-02-L-D-309