

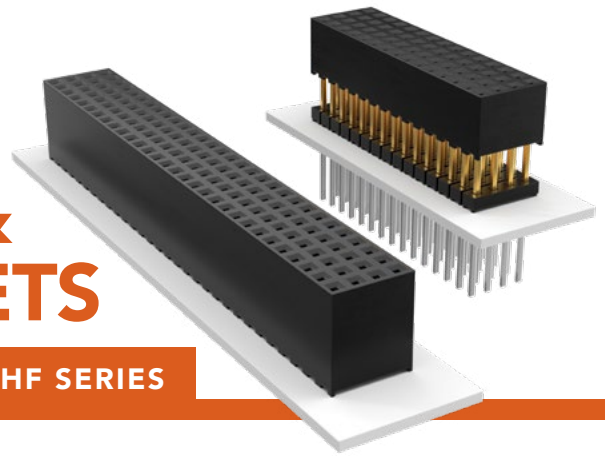


**THE DATASHEET OF  
ESQT-105-03-L-D-310**



# 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 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:**  
100 with 10 μ" (0.25 μm) 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	<b>-F</b> = Gold flash on contact, Matte Tin on tail  <b>-L</b> = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail  <b>-M</b> = 20 μ" (0.51 μm) Gold on contact, Matte Tin on tail  <b>-GF</b> = 15 μ" (0.38 μm) Gold on contact, Gold flash on tail (Recommended for self-nesting) (-02 lead style only)	<b>-S</b> = Single Row  <b>-D</b> = Double Row  <b>-T</b> = Triple Row  <b>-Q</b> = Quad Row  <b>-5</b> = Five Row  <b>-6</b> = Six Row	<b>"XXX"</b> = Body Height (in inches)  (7.87 mm) .310" minimum for -S, -D, -Q  (9.53 mm) .375" minimum for -T, -5, -6	<b>"XXX"</b> = 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 μ" (1.27 μm) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C  
**Normal Force:**  
60 grams (0.59 N) average  
**Max Cycles:**  
100 with 10 μ" (0.25 μm) Au  
**Lead-Free Solderable:**  
Yes (ESQT-368)

SERIES	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	Q	368
		30	Specify LEAD STYLE from chart	<b>-GF</b> = 15 μ" (0.38 μm) Gold on contact, Gold flash on tail (-02 Lead Style only)  <b>-M</b> = 20 μ" (0.51 μm) Gold on contact, Matte Tin on tail (-03 Lead Style only)		

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-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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