

# 2mm ELEVATED SOCKET ESQT SERIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com](http://www.samtec.com)?ESQT

**Insulator Material:**  
Black Liquid Crystal Polymer

**Contact Material:**  
Phosphor Bronze

**Plating:**  
Sn or Au over 50µ" (1,27µm) Ni

**Current Rating:**  
3A @ 80°C ambient

**Operating Temp Range:**  
-55°C to +125°C

**Contact Resistance:**  
10 mΩ max

**Insertion Depth:**  
(2,62mm) .103" to (5,03mm) .198" with (0,38mm) .015" wiper

**Max Cycles:**  
100 with 10µ" (0,25µm) Au

**Insertion Force:**  
(Single contact only) 4oz (1,11N) avg.

**Withdrawal Force:**  
(Single contact only) 3oz (0,83N) avg.

**RoHS Compliant:**  
Yes

**Processing:**  
Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x for -S, -D & -Q (230°C for 60 seconds only for -T, -5 & -6)

**Lead-Free Solderable:**  
Yes, for -S, -D & -Q (Wave only for -T, -5 & -6)

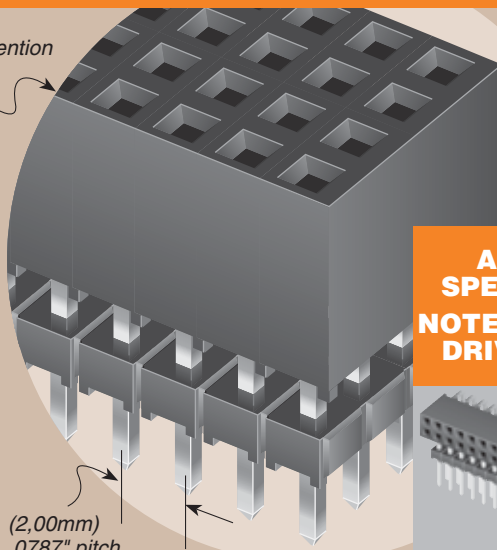


**Mates with:**  
TMMH, TMM, MTMM, MMT, TW, LTMM, ZLTMM, ESQT, TCMD

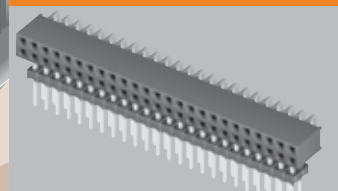
AMBIENT TEMP	CURRENT RATING
20°C	5.5A
40°C	5A
60°C	4A
80°C	3A



High Retention Contacts



**APPLICATION SPECIFIC OPTION:**  
NOTEBOOK 2.5" DISK DRIVE INTERFACE



Call for part number.

**Note:** This Series is non-standard, non-returnable.

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 = Gold flash on contact, Matte Tin on tail -L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail -M = 20µ" (0,51µm) Gold on contact, Matte Tin on tail -GF = 15µ" (0,38µm) Gold on contact, Gold flash on tail (Recommended for self-nesting)	-S = Single Row -D = Double Row -T = Triple Row -Q = Quad Row -5 = Five Row -6 = Six Row	- "XXX" = Body Height (in inches) (7,87mm) .310" minimum for -S, -D, -Q (9,53mm) .375" minimum for -T, -5, -6	- "XXX" = Polarized Position (Indicate position number)

## Also Available

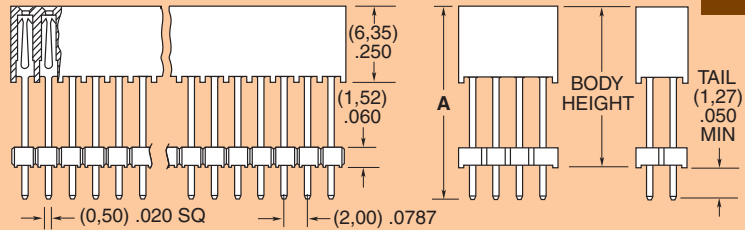
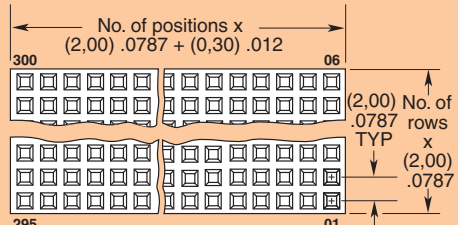
**Surface Mount**  
See SQW and TLE Series.

**Low Profile**  
See CLT Series.

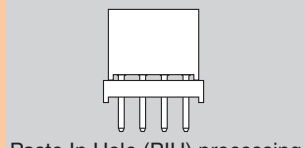
**High Reliability**  
See SMM Series.

**Right Angle**  
See SQW Series.

**PC104+ Sockets**  
See ESQT-368 and PTHF Series.



## ALSO AVAILABLE



Paste In Hole (PIH) processing. Contact Samtec ASP Group. (Not recommended for stack through applications)

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

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