

# 2mm ELEVATED SOCKET ESQT SERIES

## SPECIFICATIONS

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

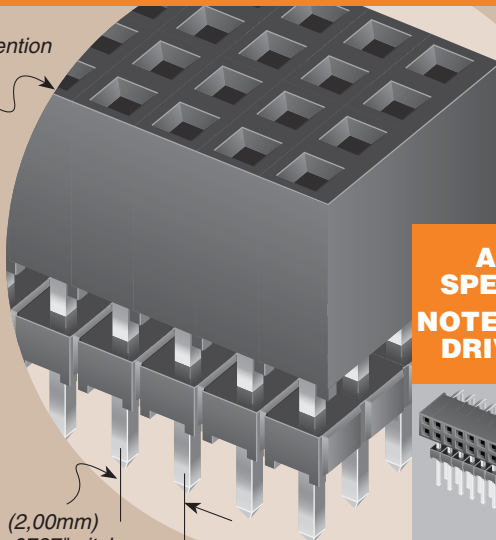


Mates with: TMMH, TMM, MTMM, MMT, TW, LTMM, ZLTMM, ESQT, TCMD

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

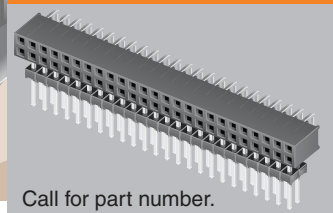


High Retention Contacts



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

APPLICATION SPECIFIC OPTION: NOTEBOOK 2.5" DISK DRIVE INTERFACE



Call for part number.

ESQT	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	BODY HEIGHT	OTHER OPTION
		02 thru 50	Specify LEAD STYLE from chart	-G = 20µ" (0,51µm) Gold (Recommended for self-nesting) -M = 20µ" (0,51µm) Gold on contact, Matte Tin on tail -L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail -F = Gold flash on contact, Matte Tin on tail	-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

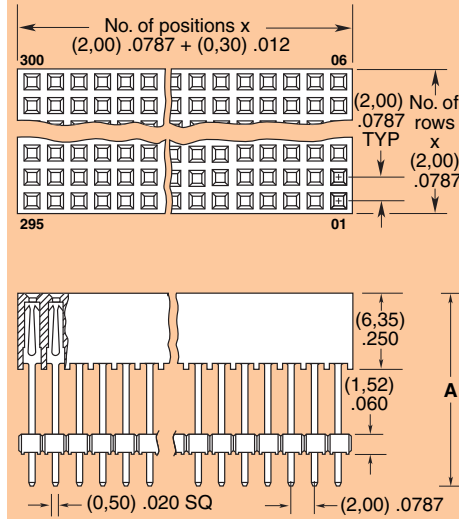
**Surface Mount**  
See SQW and TLE Series.

**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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