

2mm ELEVATED SOCKET ESQT SERIES

SPECIFICATIONS

For complete specifications see 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" wipe

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

Processing: Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x with all Au or Matte Sn

Lead-Free Solderable: Wave, or reflow with all Au or Matte Sn plating

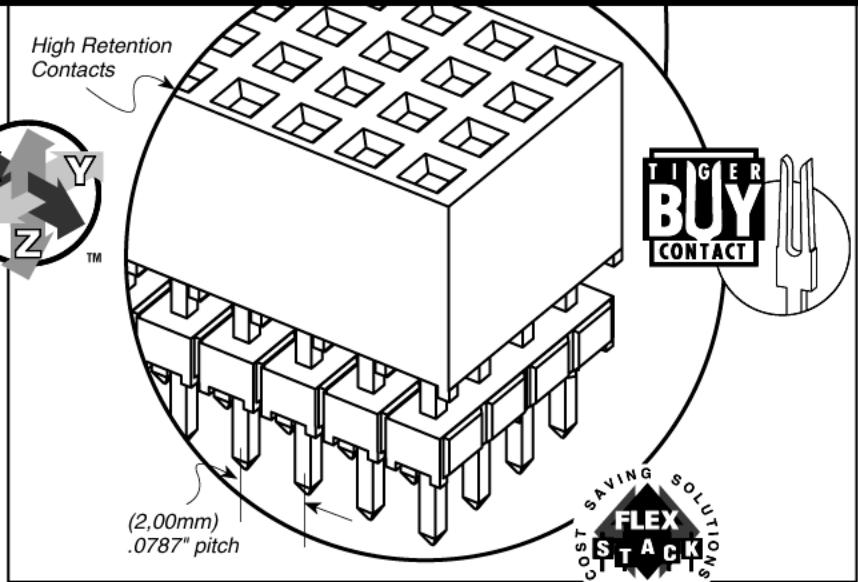


AMBIENT TEMP	CURRENT RATING
20°C	5.5A
40°C	5A
60°C	4A
80°C	3A

Mates with: TMMH, TMM, MTMM, MMT, TW, LTMM, ZLTM, ESQT



High Retention Contacts



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	-G = 20µ" (0,51µm) Gold (Recommended for self-nesting) -M or -MM = 20µ" (0,51µm) Gold on contact, Tin (-M) or Matte Tin (-MM) on tail -L or -LM = 10µ" (0,25µm) Gold on contact, Tin (-L) or Matte Tin (-LM) on tail -F or -FM = Gold flash on contact, Tin (-F) or Matte Tin (-FM) 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

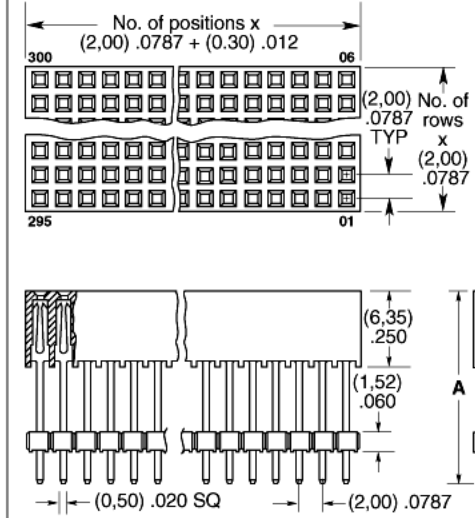
Surface Mount
See SQW and TLE Series.

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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