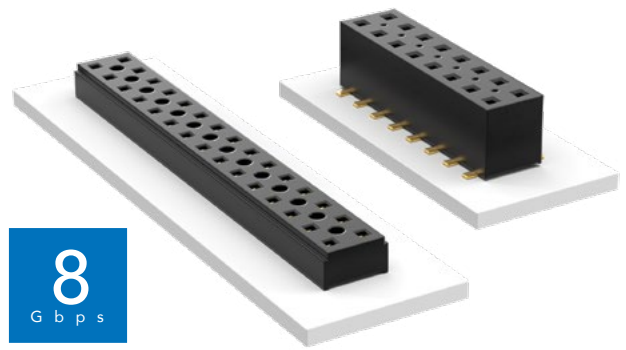


COST-EFFECTIVE & DUAL WIPE SOCKETS

(2.00 mm) .0787" PITCH • TLE/CLT SERIES



TLE

Mates:

TMMH, TMM, MTMM,
MMT, TW, LTMM, ZLTMM,
TCMD, TSH

CLT

Mates:

TMM, TMMH, MTMM,
MMT, TW, TSH

SPECIFICATIONS

TLE

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

Phosphor Bronze

Plating:

Au over 50 μ " (1.27 μ m) Ni

Current Rating (TLE/TMMH):

3.2 A per pin

(2 pins powered)

Operating Temp Range:

-55 °C to +125 °C

Insertion Depth:

(2.08 mm) .082" to
(4.37 mm) .172" with
(0.38 mm) .015" wipe,
pass-through, or
(3.35 mm) .132" min
for bottom entry

CLT

Same as TLE except:

Plating:

Sn or Au over 50 μ " (1.27 μ m) Ni

Current Rating (TMMH/CLT):

4.1 A per pin

(2 pins powered)

Insertion Depth:

Top Entry=
(1.40 mm) .055" minimum

Bottom Entry=
(2.57 mm) .101" minimum

(add board thickness for
correct post OAL)

Max Cycles:

100 with 10 μ " (0.25 μ m) Au

PROCESSING

TLE

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max (02-26)

(0.15 mm) .006" max (27-50)*

*(.004" stencil solution
may be available; contact
ipg@samtec.com)

CLT

Same as TLE except:

SMT Lead Coplanarity:

(0.10 mm) .004" max (02-25)

(0.15 mm) .006" max (26-34)*

(0.20 mm) .008" max (35-50)*

*(.004" stencil solution
may be available; contact
ipg@samtec.com)

Note:

Some lengths, styles and
options are non-standard,
non-returnable.

TLE	- 1	NO. PINS PER ROW	- 01	PLATING OPTION	- DV	OPTION
TIGER BEAM CONTACT		02 thru 50		-G = 10 μ " (0.25 μ m) Gold		-A = Alignment Pin (3 positions minimum)
						-K = (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad (3 positions minimum)
						-P = Metal Pick & Place Pad (4 positions minimum)
						-TR = Tape & Reel Packaging (2-37 positions only)
						-FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (2-37 positions only)

Diagram showing TLE socket dimensions: No. of positions x (2.00) .0787, (4.00) .157, (4.32) .170, (4.50) .177, (5.51) .217. Plating options: -A Option, -P Option.

CLT	- 1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	- D	OTHER OPTIONS
TIGER CLAW CONTACT		02 thru 50	-01 = Through-hole	-F = Gold flash on contact, Matte Tin on tail		All options require Style -02
			-02 = Surface Mount	-L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail		-BE = Bottom Entry (Required for bottom entry applications)
			-03 = Through-hole	-G = 10 μ " (0.25 μ m) Gold on contact, Gold flash on tail		-A = Alignment Pin (3 positions minimum) Metal or plastic at Samtec's discretion
						-K = (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad (04 thru 50 only)
						-P = Pick & Place Pad (4 positions minimum) (Not always necessary for auto placement.)
						-TR = Tape & Reel (36 positions max)
						-FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (36 positions max)

Diagram showing CLT socket dimensions: No. of positions x (2.00) .0787, (4.00) .157, (2.121) .0835, (2.29) .090, (5.16) .203. Lead styles: -01 or -03, -02. Plating options: -A Option, -P Option.

LEAD STYLE	A
-01	(2.16) .085
-03	(2.95) .116

Mouser Electronics

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