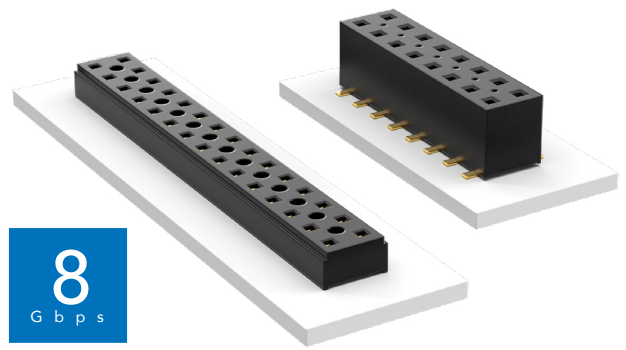


# COST-EFFECTIVE & DUAL WIPE SOCKETS

(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  $\mu$ " (1.27  $\mu$ m) Ni

**Operating Temp Range:**

-55 °C to +125 °C

**Current Rating (TLE/TMMH):**

3.2 A per pin (2 pins powered)

**Voltage Rating:**

406 VAC/574 VDC

**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  $\mu$ " (1.27  $\mu$ m) Ni

**Current Rating (CLT/TMMH):**

4.2 A per pin (2 pins powered)

**Voltage Rating:**

405 VAC/573 VDC

**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  $\mu$ " (0.25  $\mu$ m) Au

## PROCESSING

### TLE

**Lead-Free Solderable:** Yes

**SMT Lead Coplanarity:**

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

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

\*(.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 | OPTIONS |
|-----|-----|------------------|------|----------------|------|---------|
|-----|-----|------------------|------|----------------|------|---------|

**TIGER BEAM CONTACT**

02 thru 50

= 10  $\mu$ " (0.25  $\mu$ m) Gold

= Alignment Pin (3 positions minimum)

= (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad (3 positions minimum)

= Metal Pick & Place Pad (4 positions minimum)

= Tape & Reel Packaging (2-37 positions only)

= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (2-37 positions only)

No. of positions x (2.00) .0787

(4.00) .157

(4.32) .170

(4.50) .177

(5.56) .219

-P Option

-A Option

| CLT | - 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | - D | OTHER OPTIONS |
|-----|-----|------------------|------------|----------------|-----|---------------|
|-----|-----|------------------|------------|----------------|-----|---------------|

**TIGER CLAW CONTACT**

02 thru 50

= Through-hole

= Surface Mount

= Through-hole

= Gold flash on contact, Matte Tin on tail

= 10  $\mu$ " (0.25  $\mu$ m) Gold on contact, Matte Tin on tail

= 10  $\mu$ " (0.25  $\mu$ m) Gold on contact, Gold flash on tail

All options require Style -02

= Bottom Entry (Required for bottom entry applications)

= Alignment Pin (3 positions minimum) Metal or plastic at Samtec's discretion

= (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad (04 thru 50 only)

= Pick & Place Pad (4 positions minimum) (Not always necessary for auto placement.)

= Tape & Reel (36 positions max)

= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (36 positions max)

No. of positions x (2.00) .0787

(4.00) .157

(2.121) .0835

(2.29) .090

(5.16) .203

-01 or -03

-02

-A Option

-P Option

**ALSO AVAILABLE**  
Contact Samtec

Other Platings

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