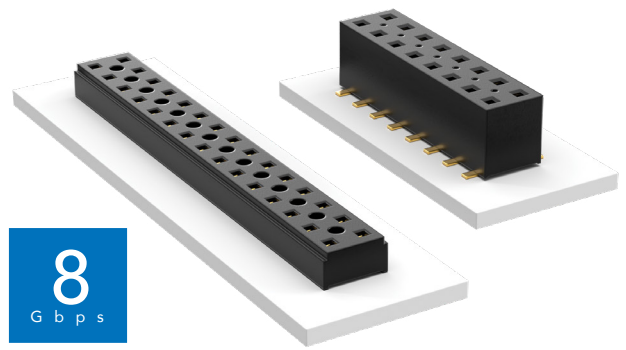


# COST-EFFECTIVE & DUAL WIPE SOCKETS

(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 (27-34)\*

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



02 thru 50

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

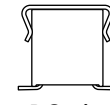
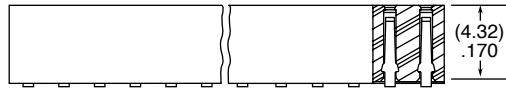
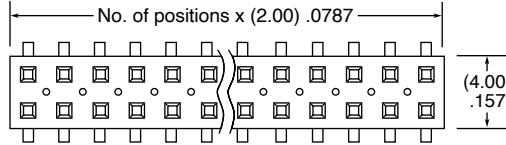
-A  
= Alignment Pin  
(3 positions minimum)

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

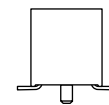
-P  
= Metal Pick & Place Pad  
(4 positions minimum)

-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)



-P Option



-A Option

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



02 thru 50

-01  
= Through-hole

-02  
= Surface Mount

-03  
= Through-hole

-F  
= Gold flash on contact,  
Matte Tin on tail

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

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

All options require  
Style -02

-BE  
= Bottom Entry  
(Required for bottom  
entry applications)

-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)

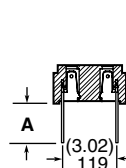
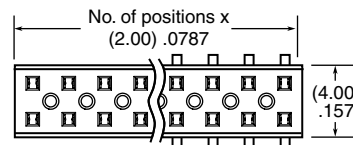
-P  
= Pick & Place Pad  
(4 positions minimum)

-TR  
= Tape & Reel  
(36 positions max)

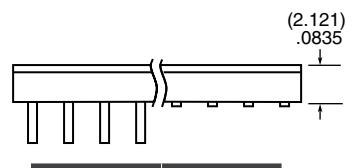
-FR  
= Full Reel Tape & Reel  
(must order maximum  
quantity per reel;  
contact Samtec for  
quantity breaks)  
(36 positions max)

**ALSO AVAILABLE**  
Contact Samtec

Other Platings



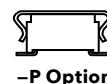
-01 or -03



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



-A Option



-P Option

[samtec.com?TLE](http://samtec.com?TLE) or [samtec.com?CLT](http://samtec.com?CLT)

F-226 (Rev 22DEC25)

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.