

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

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 μ " (1.27 μ 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 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 (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
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02 thru 50

-G
= 10 μ " (0.25 μ m)
Gold

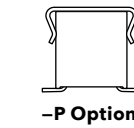
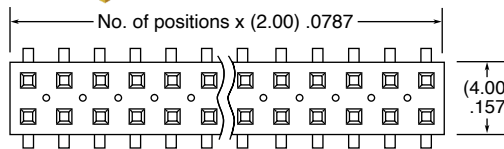
-A
= Alignment Pin
(3 positions minimum)

-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)

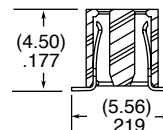
-FR
= Full Reel Tape & Reel
(must order maximum
quantity per reel; contact
Samtec for quantity breaks)
(2-37 positions only)



-P Option



-A Option



CLT	- 1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	- D	OTHER OPTIONS
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02 thru 50

-01
= Through-hole

-02
= Surface Mount

-03
= Through-hole

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

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

-G
= 10 μ " (0.25 μ 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)

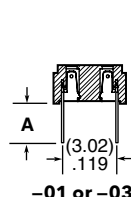
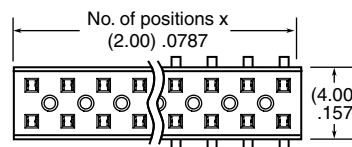
-P
= Pick & Place Pad
(4 positions minimum)

-TR
= Tape & Reel
(36 positions max)

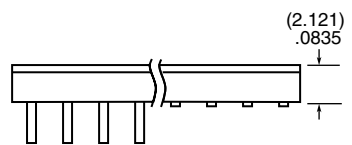
-FR
= Full Reel Tape & Reel
(must order maximum
quantity per reel;
contact Samtec for
quantity breaks)
(36 positions max)

ALSO AVAILABLE
Contact Samtec

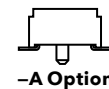
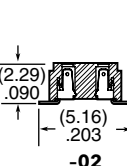
Other Platings



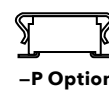
-01 or -03



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



-A Option



-P Option