

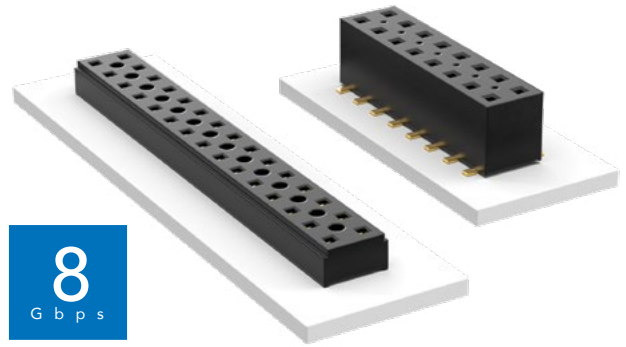


**THE DATASHEET OF
CLT-144-02-L-D-A**



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 μm) 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 μm) 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 μm) 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	OPTIONS
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02 thru 50

-G
= 10 μ" (0.25 μm)
Gold

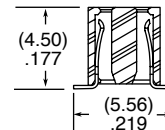
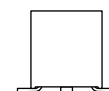
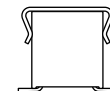
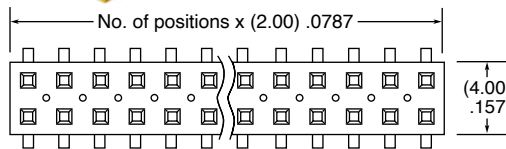
-A
= Alignment Pin
(3 positions minimum)

-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)



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

-01
= Through-hole

-F
= Gold flash
on contact,
Matte Tin 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)

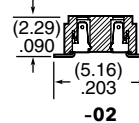
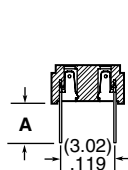
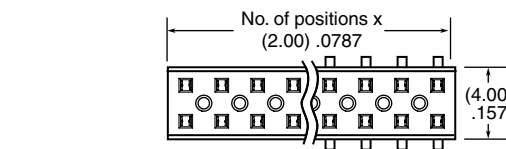
-P
= Pick & Place Pad
(4 positions minimum)
(Not always necessary
for auto placement.)

-TR
= Tape & Reel
(36 positions max)

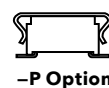
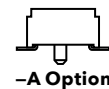
-FR
= Full Reel Tape & Reel
(must order maximum
quantity per reel;
contact Samtec for
quantity breaks)
(36 positions max)

ALSO AVAILABLE
MOQ Required

Other Platings





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



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View CLT-144-02-L-D-A on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management