

(2.00 mm) .0787"

CLT SERIES

# LOW-PROFILE DUAL WIPE SOCKET

## SPECIFICATIONS

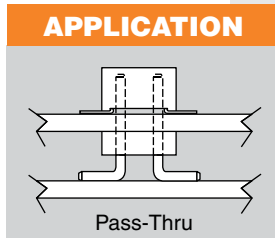
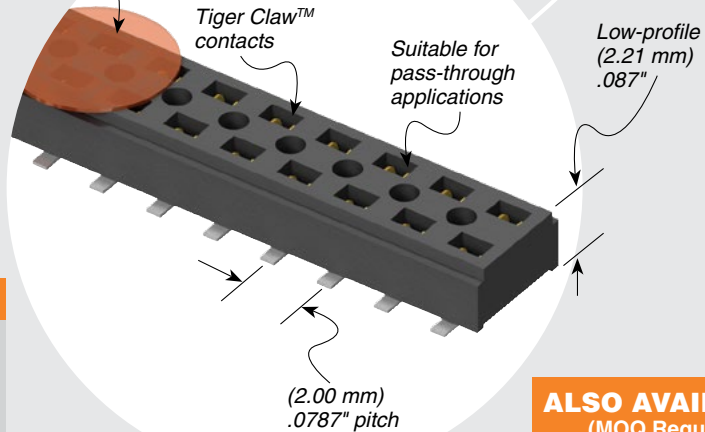
For complete specifications and recommended PCB layouts see [www.samtec.com?CLT](http://www.samtec.com?CLT)

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Contact Material:**  
Phosphor Bronze  
**Plating:** Sn or Au over 50 μ" (1.27 μm) Ni  
**Current Rating (TMMH/CLT):**  
4.1 A per pin  
(2 pins powered)  
**Operating Temp Range:**  
-55 °C to +125 °C  
**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  
**RoHS Compliant:**  
Yes

Mates with:  
TMM, TMMH, MTMM,  
MMT, TW, TSH



Available with optional  
Pick & Place Pads



**ALSO AVAILABLE (MOQ Required)**

- Other platings
- Contact Samtec.

## PROCESSING

**Lead-Free Solderable:**  
Yes  
**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)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



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

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

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.