

# 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 50µ" (1,27µm) Ni

**Current Rating:**

3.3A @ 80°C ambient

(6 contacts powered)

**Operating Temp Range:**

-55°C to +125°C

**Contact Resistance:**

10 mΩ max

**Insertion Depth:**

Top Entry= (1,40mm) .055" minimum

Bottom Entry= (2,57mm) .101" minimum

(add board thickness for correct post OAL)

**Insertion Force:**

(Single contact only)

1.8oz (0,50N) avg.

**Withdrawal Force:**

(Single contact only)

.6oz (0,17N) avg.

**Max Cycles:**

100 with 10µ" (0,25µm) Au

**RoHS Compliant:**

Yes

**Processing:**

Lead-Free Solderable:

Yes

**SMT Lead Coplanarity:**

(0,10mm) .004" max (02-25)

(0,15mm) .006" max (26-34)

(0,20mm) .008" max (35-50)

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



Tiger Claw™ contacts

Available with optional  
Pick & Place Pads

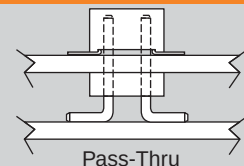
Suitable for  
pass-through  
applications

Low profile  
(2,21mm)  
.087"

Available  
with optional  
alignment pins

| TMMH/CLT                                                                                                                                                 | Rated @ -3dB Insertion Loss        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>4,77mm Stack Height</b>                                                                                                                               |                                    |
| Single-Ended Signaling                                                                                                                                   | 5.5 GHz / 11 Gbps                  |
| Differential Pair Signaling                                                                                                                              | 6.5 GHz / 13 Gbps                  |
| <b>TW/CLT</b>                                                                                                                                            | <b>Rated @ -3dB Insertion Loss</b> |
| <b>18mm Stack Height</b>                                                                                                                                 |                                    |
| Single-Ended Signaling                                                                                                                                   | 2.5 GHz / 5.0 Gbps                 |
| Differential Pair Signaling                                                                                                                              | 3.0 GHz / 6.0 Gbps                 |
| Complete test data available at <a href="http://www.samtec.com?CLT">www.samtec.com?CLT</a> or contact <a href="mailto:sig@samtec.com">sig@samtec.com</a> |                                    |

## APPLICATION



| CLT        | 1 | NO. PINS PER ROW | LEAD STYLE                                                      | PLATING OPTION                                                                                                                                                   | D | OTHER OPTIONS                                                                                                                                                                                                                                                                                                                                                                                             |
|------------|---|------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 02 thru 50 |   |                  | -01 = Through-hole<br>-02 = Surface Mount<br>-03 = Through-hole | -F = Gold flash on contact, Matte Tin on tail<br>-L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail<br>-G = 10µ" (0,25µm) Gold on contact, Gold flash on tail |   | All options require Style -02<br>-BE = Bottom Entry (Required for bottom entry applications)<br>-A = Alignment Pin (3 positions minimum) Metal or plastic at Samtec's discretion<br>-K = (5,00mm) .197" DIA Polyimide Film Pick & Place Pad (04 thru 50 only)<br>-P = Pick & Place Pad (4 positions minimum) (Not always necessary for auto placement.)<br>-TR = Tape & Reel Packaging (36 positions max) |

| LEAD STYLE | A           |
|------------|-------------|
| -01        | (2,16) .085 |
| -03        | (2,95) .116 |

**\*Processing Note:**  
For Pass-through application drill PCB on (2,22) .0874 row spacing & (1,22) .048 DIA holes

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

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

## TAPE & REEL AVAILABILITY

No tooling charges.  
Minimum order is the lesser of  
a full reel quantity or 125 pieces.  
Order any quantity above minimum.  
In-house design, manufacture.  
Quick turn-around.

Call Samtec for specifications  
and ordering information.

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