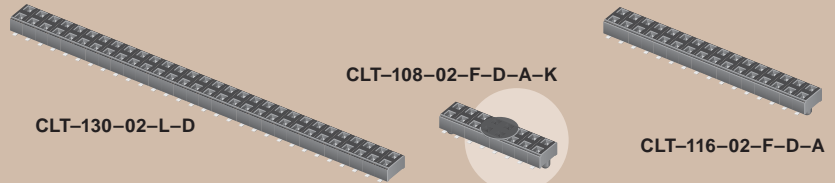




(2.00mm) .0787"

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 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.

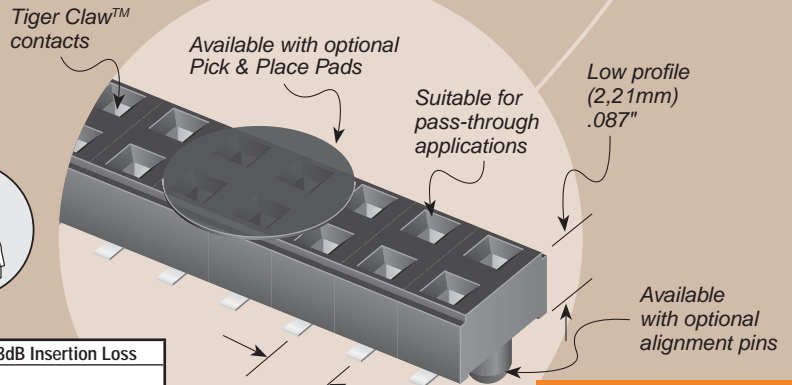
**Withdrawal Force:** (Single contact only) .6oz (0,17N) avg.

**Max Cycles:** 100 with 10µ" (0,25µm) Au  
**RoHS Compliant:** Yes

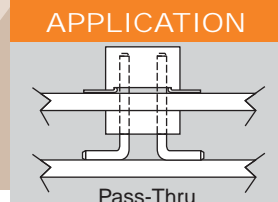
**Processing:** Lead-Free Solderable: Yes

**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



TMMH/CLT	Rated @ -3dB Insertion Loss
4,77mm Stack Height	
Single-Ended Signaling	5.5 GHz / 11 Gbps
Differential Pair Signaling	6.5 GHz / 13 Gbps
TW/CLT	Rated @ -3dB Insertion Loss
18mm Stack Height	
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 sig@samtec.com	



**CLT**

**1**

NO. PINS PER ROW

**LEAD STYLE**

–01 = Through-hole  
–02 = Surface Mount  
–03 = Through-hole

**PLATING OPTION**

–F = Gold flash on contact, Matte Tin on tail  
–L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail  
–G = 10µ" (0,25µm) Gold on contact, Gold flash on tail

**D**

**OTHER OPTIONS**

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 = (5,00mm) .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 Packaging (36 positions max)

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

**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.

**\*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.*

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