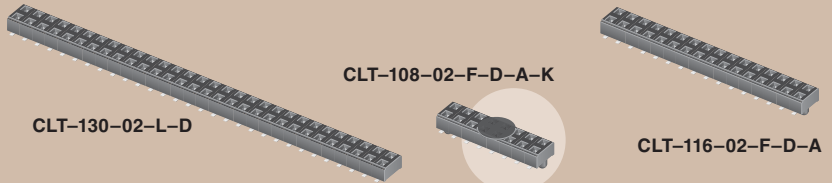




(2,00mm) .0787"

CLT SERIES



LOW PROFILE DUAL WIPE SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see 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: 2A @ 80°C ambient
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:

Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x
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

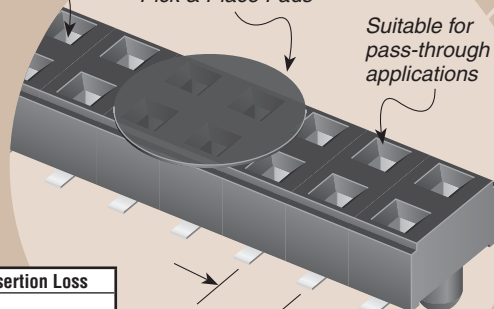


Tiger Claw™ contacts

Available with optional Pick & Place Pads

Suitable for pass-through applications

Low profile (2,21mm) .087"



(2,00mm) .0787" pitch

Available with optional alignment pins

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 www.samtec.com?CLT or contact sig@samtec.com

CLT	1 NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	OTHER OPTIONS
02 thru 50		-01 = Through-hole -02 = Surface Mount -03 = Through-hole	-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		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: Other Gold plating options available. Contact Samtec.

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.

WWW.SAMTEC.COM