

2mm LOW PROFILE CLT SERIES

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

Yes

Processing:

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

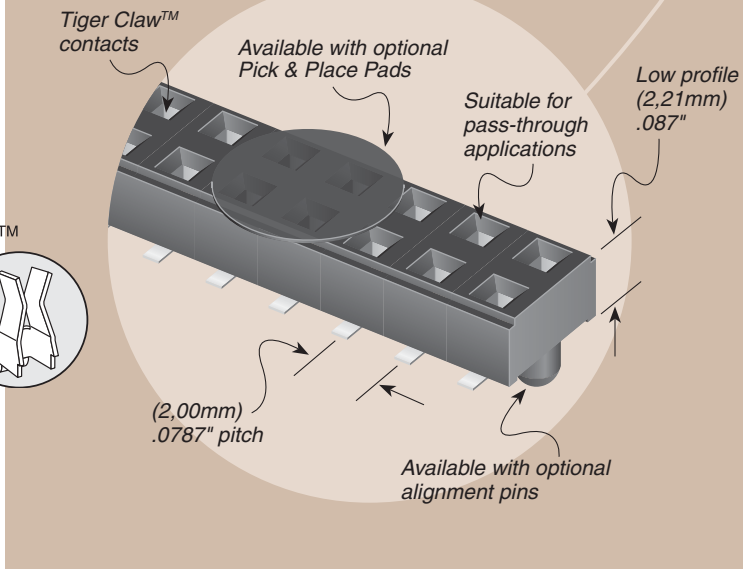
Lead-Free Solderable: Yes

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



CLT	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	OTHER OPTIONS
02 thru 50			-01 = Through-hole -02 = Surface Mount	-G = 10µ" (0,25µm) Gold -L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail -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 = (5,00mm) .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)

TAPE & REEL AVAILABILITY
No tooling charges.
125 piece minimum order.
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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