

# 2mm LOW PROFILE CLT SERIES

## 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:**  
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

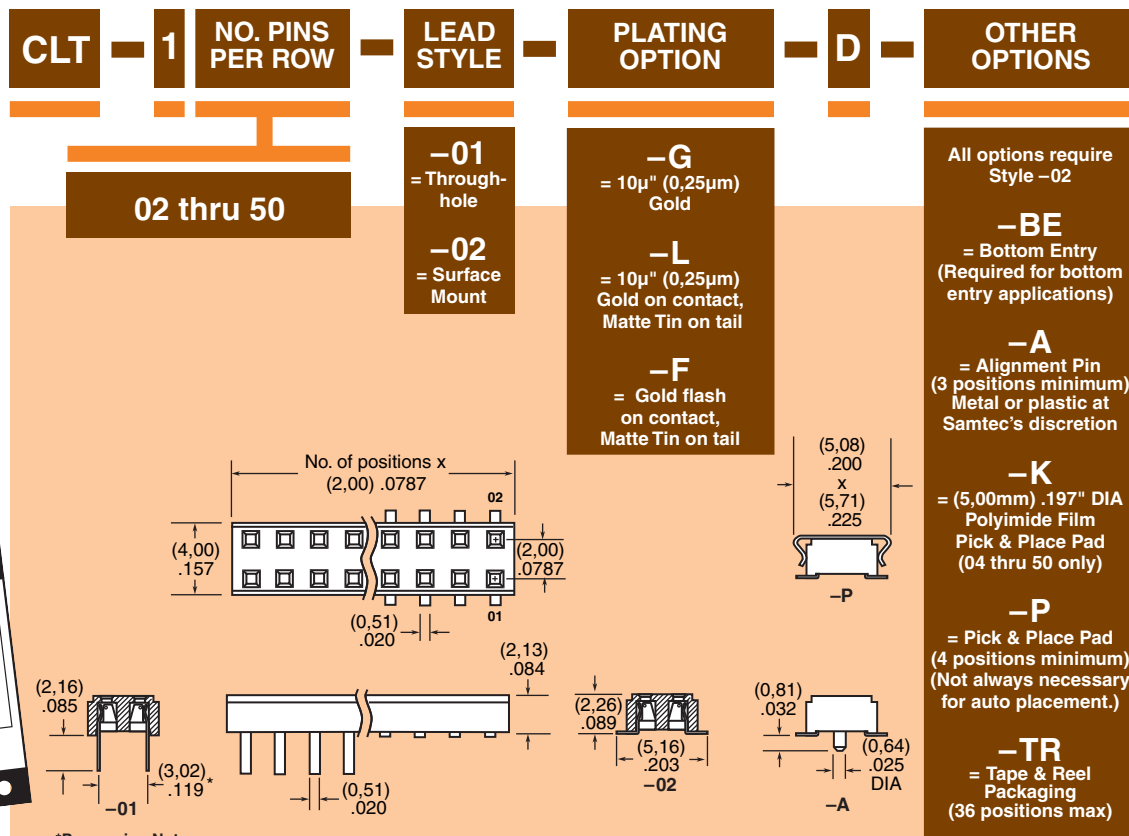
Available with optional Pick & Place Pads

Suitable for pass-through applications

Low profile (2,21mm) .087"

(2,00mm) .0787" pitch

Available with optional alignment pins



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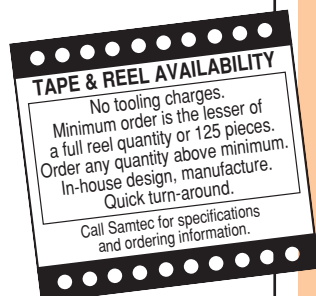
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**Note:** Some lengths, styles and options are non-standard, non-returnable.