

# 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

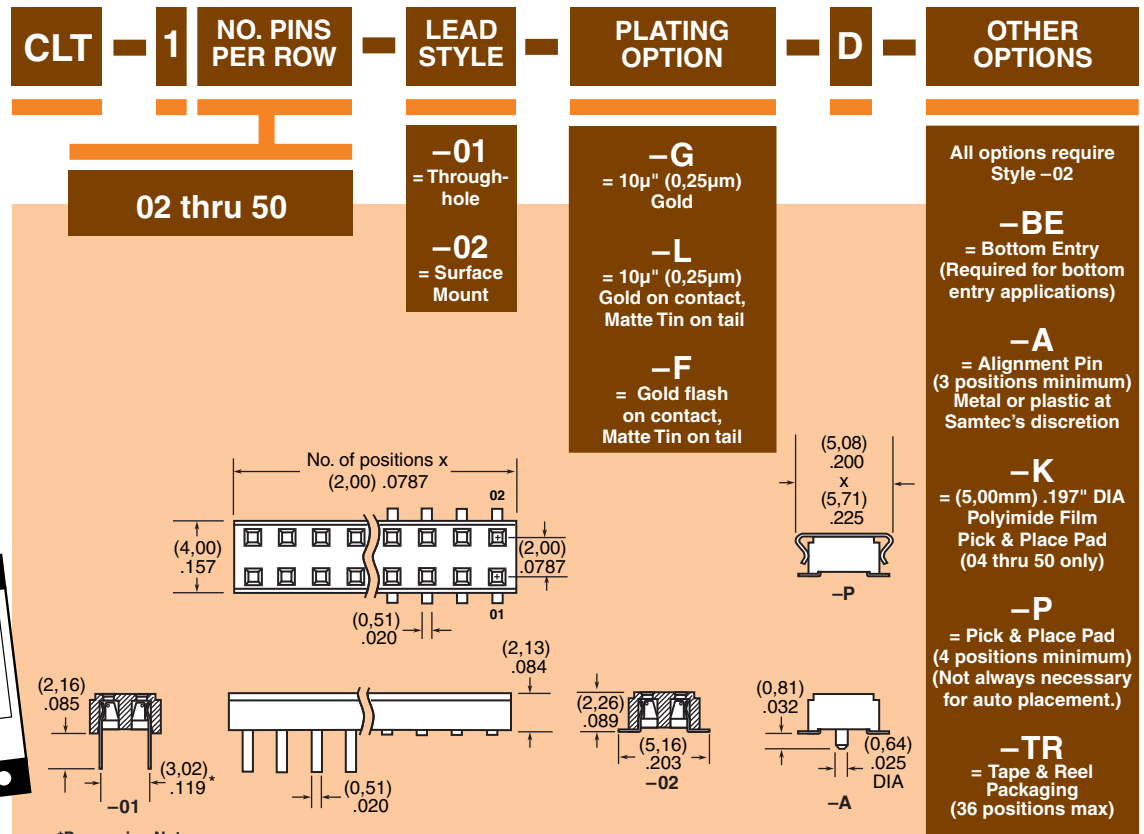
Available with optional Pick & Place Pads

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

## 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.

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

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