

Surface  
**SMT**  
Mount

# (0,80mm) .0315" SOCKET CLE SERIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com](http://www.samtec.com)?CLE

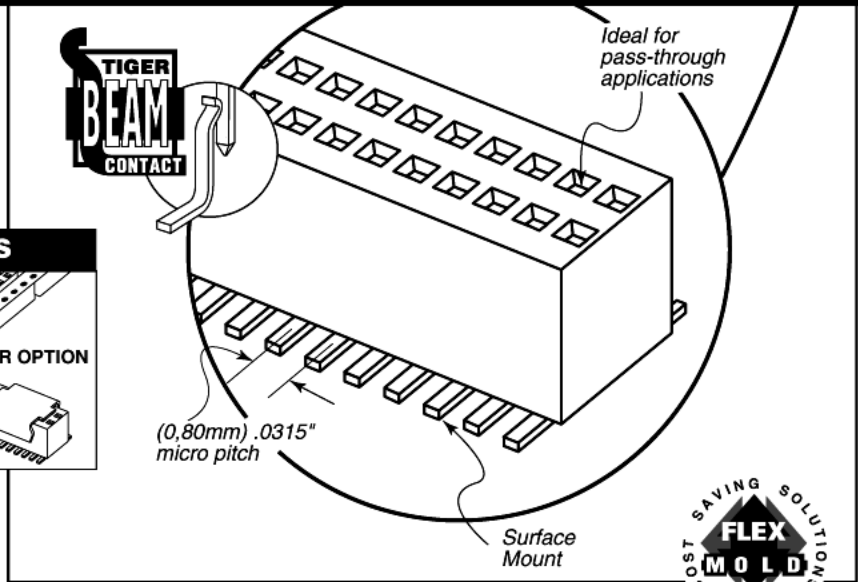
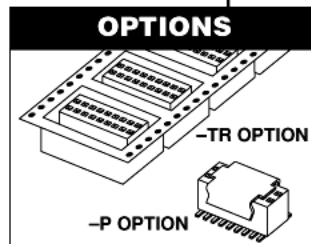
- Insulator Material:** Black Liquid Crystal Polymer
- Contact Material:** Beryllium Copper
- Current Rating:** .75A @ 80°C ambient
- Operating Temp Range:** -65°C to +125°C
- Plating:** Au over 50µ" (1,27µm) Ni
- Contact Resistance:** 15m max (initial)
- Insertion Depth:** Top Entry = (1,73mm) .068" to (3,18mm) .125" with (0,38mm) .015" wipe, or pass-through  
Bottom Entry = (3,23mm) .127" minimum plus board thickness
- Insertion Force:** (Single contact only) 2.0oz (0,56N)
- Normal Force:** 75 grams (0,73N)
- Withdrawal Force:** (Single contact only) 1.2oz (0,33N)
- Max Cycles:** 100 with 10µ" (0,25µm) Au



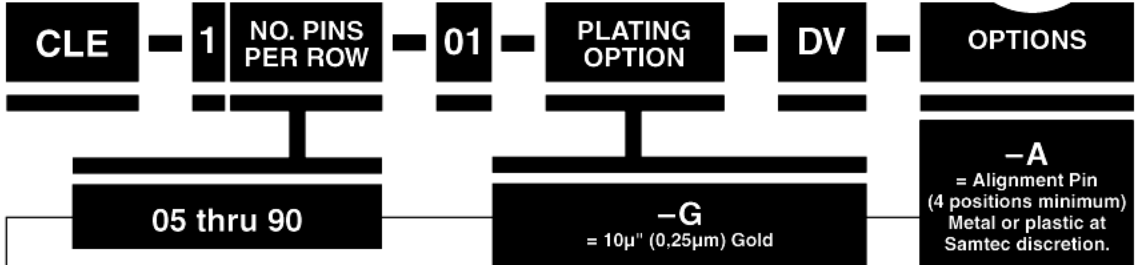
Mates with:  
FTE, AW



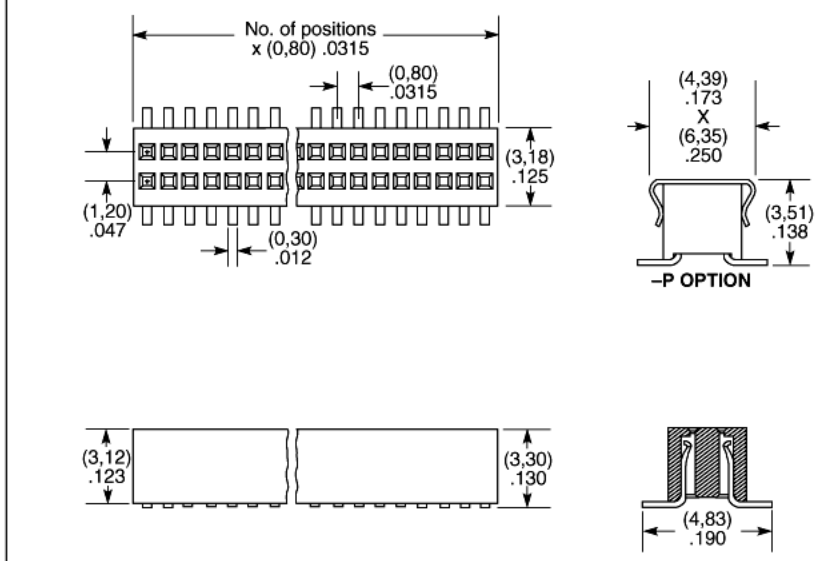
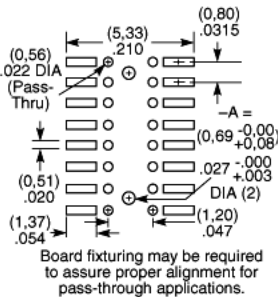
Ideal for pass-through applications



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



**Processing:**  
**Max Processing Temp:** 230°C for 60 seconds  
**SMT Lead Coplanarity:** (0,10mm) .004" max (05-65) (0,15mm) .006" max (66-90)  
**Suggested Paste Thickness:** For most applications add (0,05mm) .002" to max SMT lead coplanarity  
**Suggested PCB Layouts:** For reference only. Please contact Samtec or go to [www.samtec.com](http://www.samtec.com)?CLE for recommended PCB layout.



- A**  
= Alignment Pin (4 positions minimum)  
Metal or plastic at Samtec discretion.
- K**  
= (3,50mm) .138" DIA Polyimide film Pick & Place Pad (8 positions minimum)
- P**  
= Metal Pick & Place Pad (8 positions minimum)
- TR**  
= Tape & Reel Packaging

**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.

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

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