

Surface Mount **SMT** (0,80mm) .0315" SOCKET CLE SERIES

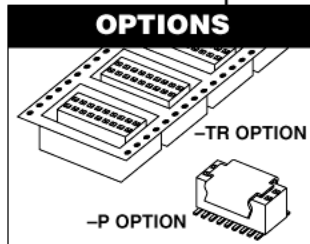
**SPECIFICATIONS**

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

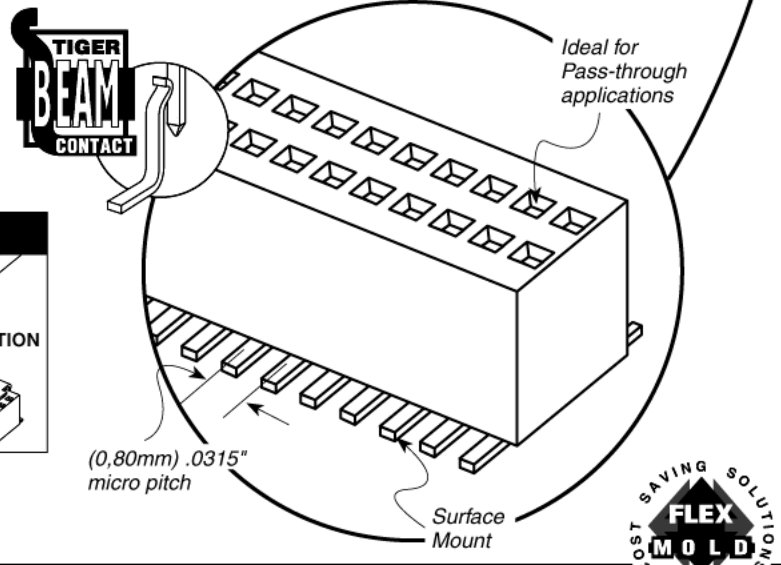
- Insulator Material:** Black Liquid Crystal Polymer
- Contact Material:** BeCu
- Plating:** Au over 50µ" (1,27µm) Ni
- Current Rating:** .75A @ 80°C ambient
- Operating Temp Range:** -55°C to +125°C
- Contact Resistance:** 15 mΩ max (initial)
- Insertion Depth:** Top Entry = (1,73mm) .068" to (3,18mm) .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



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



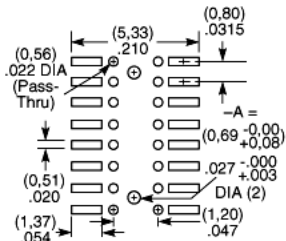
05 thru 90

-G = 10µ" (0,25µm) Gold

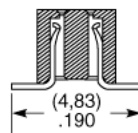
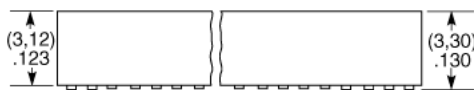
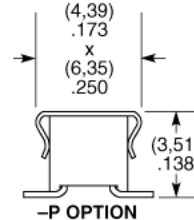
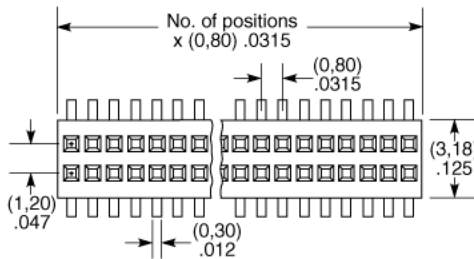
- A** = Alignment Pin (4 positions minimum) Metal or plastic at Samtec discretion.
- K** = (3,50mm) .138" DIA Polyimide film Pick & Place Pad (8 positions minimum)
- P** = Metal Pick & Place Pad (8 positions minimum)
- TR** = Tape & Reel Packaging

**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 (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.



Board fixturing may be required to assure proper alignment for pass-through applications.



**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.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)