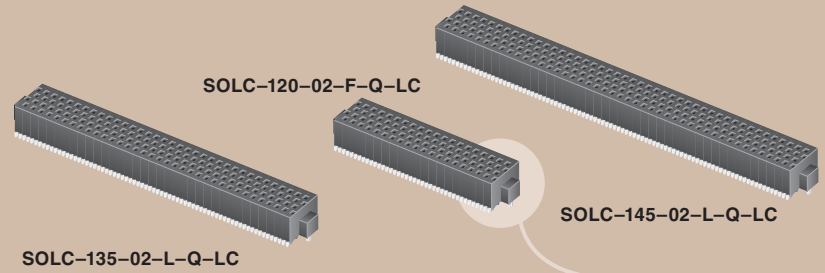




(0,635mm) .025"

SOLC SERIES



# QUAD ROW SMT SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SOLC](http://www.samtec.com?SOLC)

**Insulator Material:** Black Liquid Crystal Polymer



**Contact Material:** Phosphor Bronze

**Plating:** Au over 50µ" (1,27µm) Ni

**Current Rating:** 2.5A @ 80°C ambient

**Operating Temp Range:** -55°C to +125°C

**Contact Resistance:** 10 mΩ max

**Insertion Depth:** (1,68mm) .066" to (3,61mm) .142" with (0,38mm) .015" wipe

**Insertion Force:** (Single contact only) 2.0oz (0,56N) average

**Normal Force:** 75 grams (0,74N) average

**Withdrawal Force:** (Single contact only) 1.5oz (0,42N) average

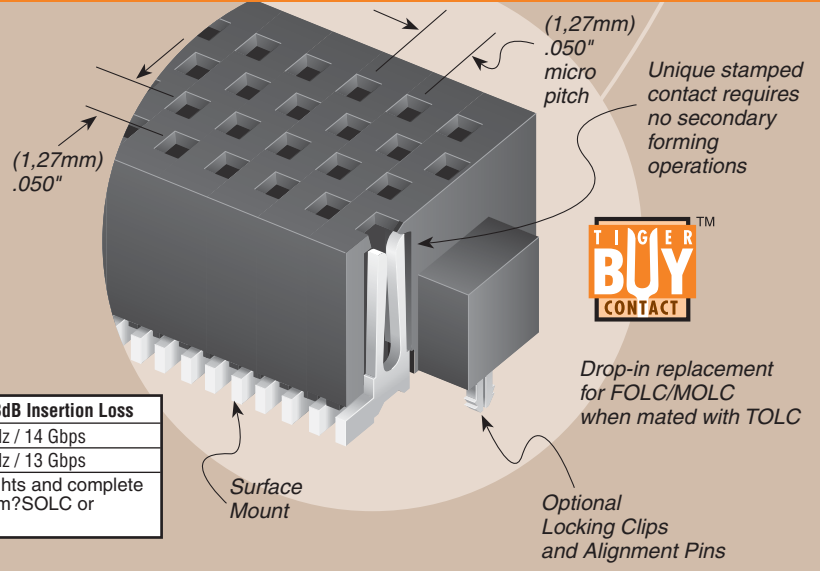
**Max Cycles:** 100+

**RoHS Compliant:** Yes

**Processing:** Lead-Free Solderable: Yes

**SMT Lead Coplanarity:** (0,10mm) .004" max (05-35) (0,15mm) .006" max (40-50)

Mates with: TOLC



| 6,35mm Stack Height         | Rated @ 3dB Insertion Loss |
|-----------------------------|----------------------------|
| Single-Ended Signaling      | 7.0 GHz / 14 Gbps          |
| Differential Pair Signaling | 6.5 GHz / 13 Gbps          |

Performance data for other stack heights and complete test data available at [www.samtec.com?SOLC](http://www.samtec.com?SOLC) or contact sig@samtec.com.



05, 10, 15, 20, 25, 30, 35, 40, 45, 50  
(Call Samtec for other sizes)

**-F**  
= Gold flash on contact, Gold flash on tail

**-L**  
= 10µ" (0,25µm) Gold on contact, Gold flash on tail

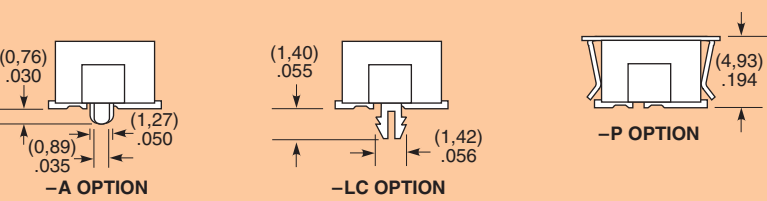
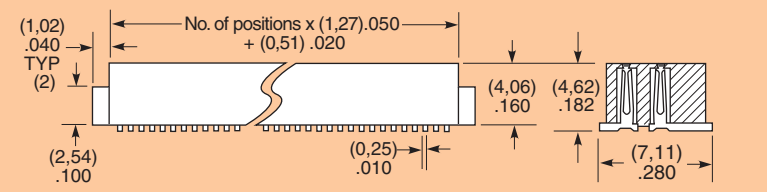
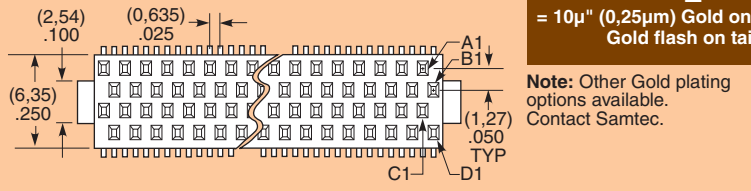
**-A**  
= Alignment Pin (N/A with -LC)

**-LC**  
= Locking Clip (N/A with -A) (Manual placement required)

**-K**  
= (7,00mm) .276" DIA Polyimide film Pick & Place Pad

**-P**  
= Pick & Place Pad

**-TR**  
= Tape & Reel



**TAPE & REEL AVAILABILITY**

No tooling charges. Minimum order is the lesser of a full reel quantity or 125 pieces. Order any quantity above minimum. In-house design, manufacture. Quick turn-around. Call Samtec for specifications and ordering information.

**ALSO AVAILABLE**

- For Micro Rugged, see the MOLC/FOLC pages located in the Tiger Eye™ section.

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

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

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