

**SOLC SERIES**

(1,27 mm) .050"

# 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" (1,27 µm) Ni

**Current Rating:** 2.4 A per pin (6 adjacent pins powered)

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

**Contact Resistance:** 10 mΩ

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

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

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

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

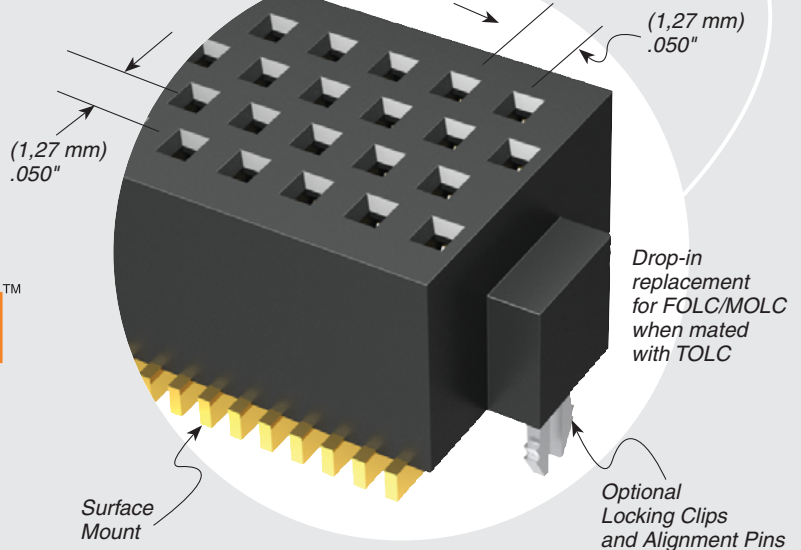
**Max Cycles:** 100+

**RoHS Compliant:** Yes

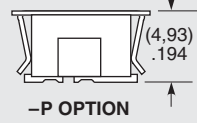
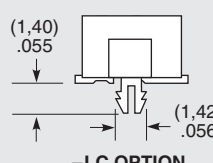
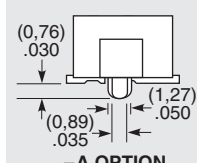
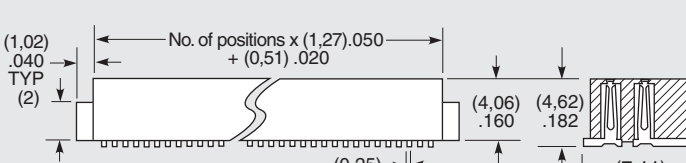
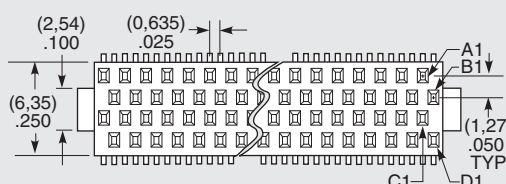
**Processing:** Lead-Free Solderable: Yes

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

Mates with: **TOLC**



<b>SOLC</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>02</b>	<b>PLATING OPTION</b>	<b>Q</b>	<b>OPTION</b>
		<b>05, 10, 15, 20, 25, 30, 35, 40, 45, 50</b> (Standard sizes)	<b>-F</b> = Gold flash on contact, Gold flash on tail  <b>-L</b> = 10µ" (0,25 µm) Gold on contact, Gold flash on tail		<b>-A</b> = Alignment Pin (N/A with -LC)  <b>-LC</b> = Locking Clip (N/A with -A) (Manual placement required)  <b>-K</b> = (7,00 mm) .276" DIA Polyimide film Pick & Place Pad  <b>-P</b> = Pick & Place Pad  <b>-TR</b> = 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.

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## OTHER SOLUTIONS

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

## ALSO AVAILABLE (MOQ Required)

- Other sizes
  - Other platings
- Contact Samtec.

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