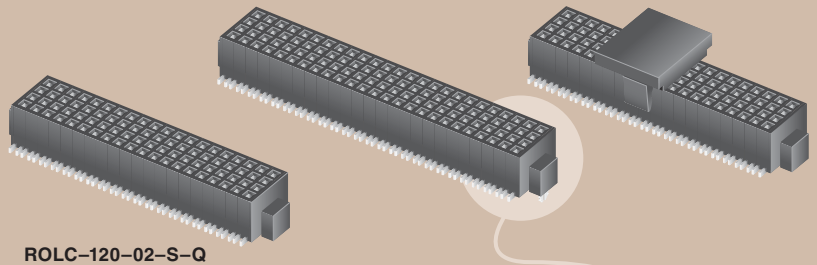




ROLC-125-02-S-Q-LC

ROLC-120-02-S-Q-P



ROLC-120-02-S-Q

Surface
SMT
Mount

.050" x .050" SOCKETS ROLC SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?ROLC

Insulator Material: Black Liquid Crystal Polymer



Contact Material: BeCu

Plating: Au or Sn over 50µ" (1,27µm) Ni

Current Rating: 1A @ 80°C ambient

Operating Temp Range: -55°C to +125°C

Contact Resistance: 15 mΩ max

Insertion Depth: (3,30mm) .130" to (4,06mm) .160"

Insertion Force: (Single contact only) Standard= 5.0oz (1,39N) avg. LIF= 2.0oz (0,56N) avg.

Normal Force: Standard= 70 grams (0,69N) avg. LIF= 40 grams (0,39N) avg.

Withdrawal Force: (Single contact only) Standard= 4oz (1,11N) avg. LIF= 1.5oz (0,42N) avg.

Max Cycles: 100 with 30µ" (0,76µm) Au

RoHS Compliant: Yes

Processing:

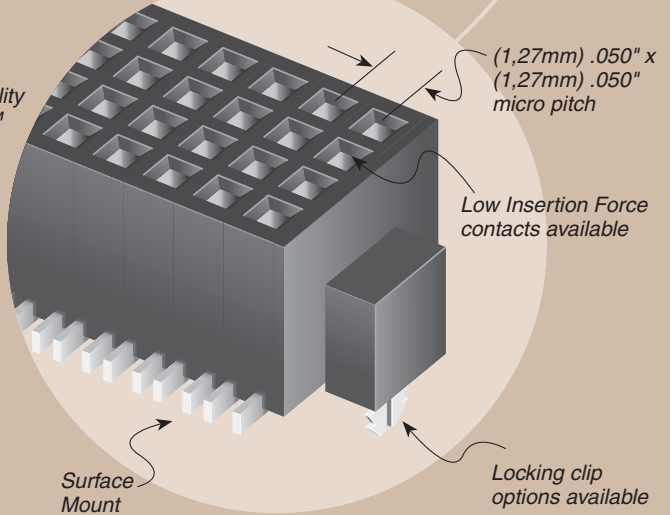
Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x

Lead-Free Solderable: Yes

SMT Lead Coplanarity: (0,15mm) .006" max

Mates with:
MOLC

High reliability
Tiger Eye™
contacts



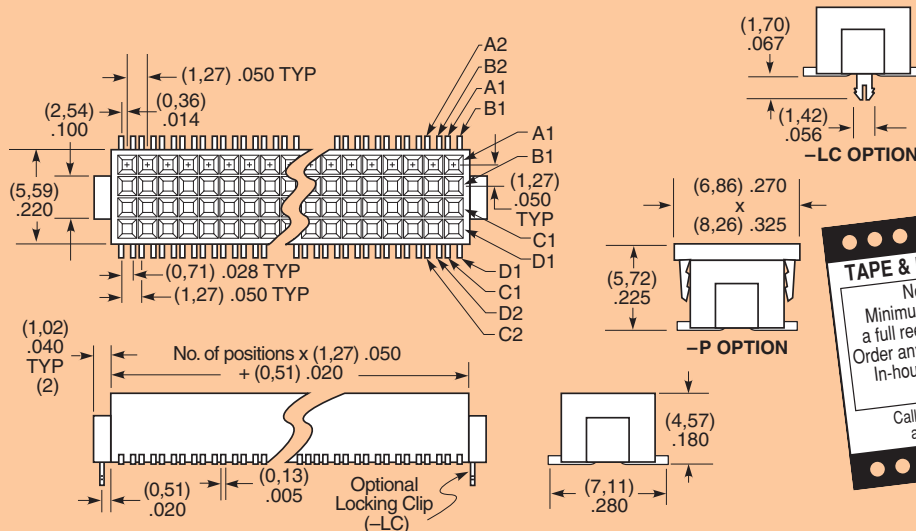
(1,27mm) .050" x (1,27mm) .050" micro pitch

Low Insertion Force contacts available

Surface Mount

Locking clip options available

ROLC	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	Q	OPTION
		20, 25, 30, 35, 40, 45, 50 (Call Samtec for other sizes)	-02 = Surface Mount -L2 = Low Insertion Force Surface Mount	-S = 30µ" (0,76µm) Gold on contact, Matte Tin on tail		-LC = Locking Clip -K = (6,75mm) .266" DIA Polyimide film Pick & Place Pad -P = Plastic Pick & Place Pad -TR = Tape & Reel



Note: Other Gold plating options available. Contact Samtec.

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

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.

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

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