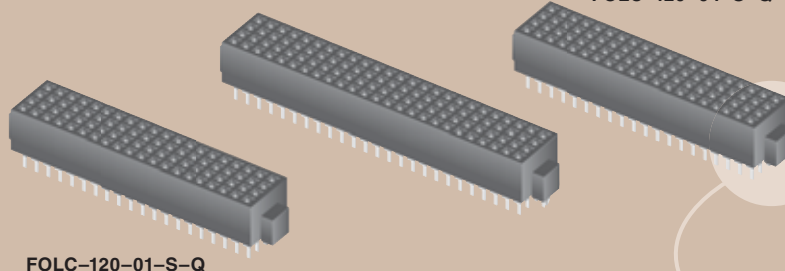




FOLC-125-01-S-Q-LC

FOLC-120-04-S-Q



FOLC-120-01-S-Q



.050" x .050" SOCKETS FOLC SERIES

SPECIFICATIONS

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

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

BeCu

Current Rating:

1A @ 80°C ambient

Operating Temp Range:

-55°C to +125°C

Plating:

Au, PdNi or Sn over 50µ" (1,27µm) Ni

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

Low Insertion Force
contacts available

High reliability
Tiger Eye™
contacts

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



APPLICATION SPECIFIC OPTION

Alignment pins available.
Call Samtec.

Through-hole

Locking clip
options available

FOLC

1

NO. PINS
PER ROWLEAD
STYLEPLATING
OPTION

Q

OPTION

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

–01 & –04
= Through-Hole

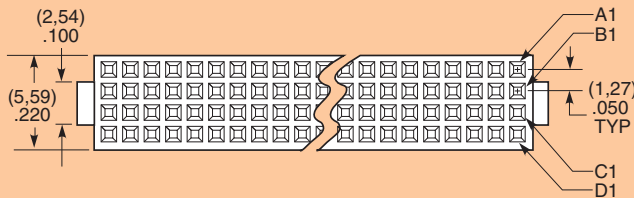
–M1 & –M2
= Mixed Technology

–L1 & –L4
= Low Insertion Force
Through-Hole

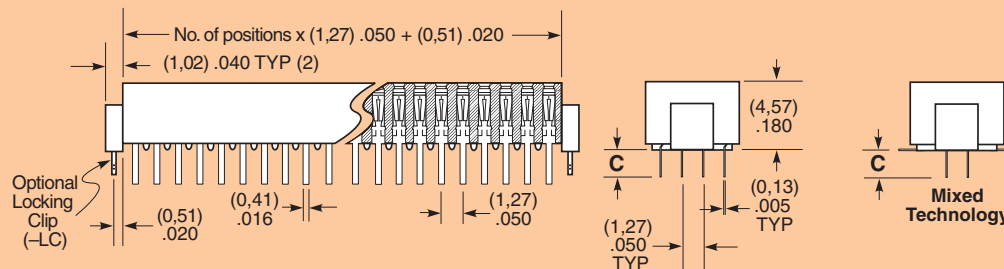
–S

= 30µ" (0,76µm)
Gold on contact,
Matte Tin on tail

–LC
= Locking
Clip



LEAD STYLE	C
–01, –M1	(1,91) .075
–04, –M2	(3,04) .120



Note: Other Gold plating options available. Contact Samtec.

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.

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SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047

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SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315

SAMTEC INDIA • Tel: +91-80-3272 1612 • Fax: +91-80-4152 8187

SAMTEC TAIWAN • Tel: 886-2-2735-6109 • Fax: 886-2-2735-5036

SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745