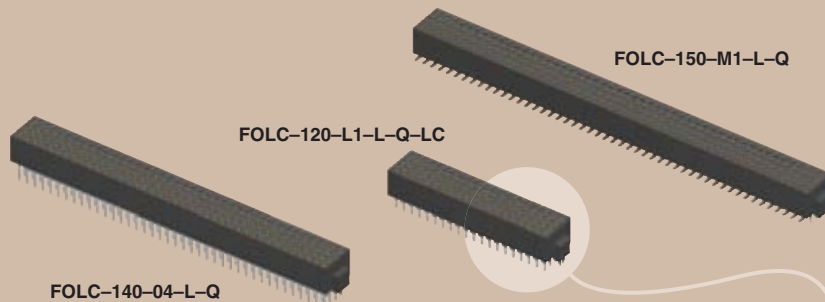




(1,27mm) .050"

FOLC SERIES



HIGH DENSITY TIGER EYE™ SOCKETS

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 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:

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



Through-hole

Locking clip
options available

APPLICATION SPECIFIC OPTION

Alignment pins available.
Call Samtec.

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

–L

= 10µ" (0,25µm)
Gold on contact,
Matte Tin on tail

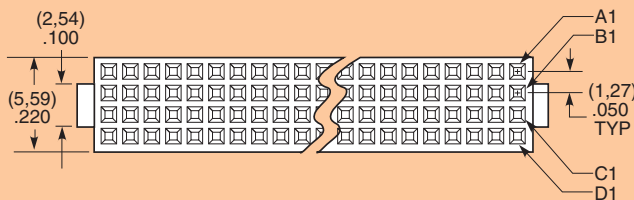
–LC
= Locking
Clip
(Manual
placement
required)

ALSO AVAILABLE

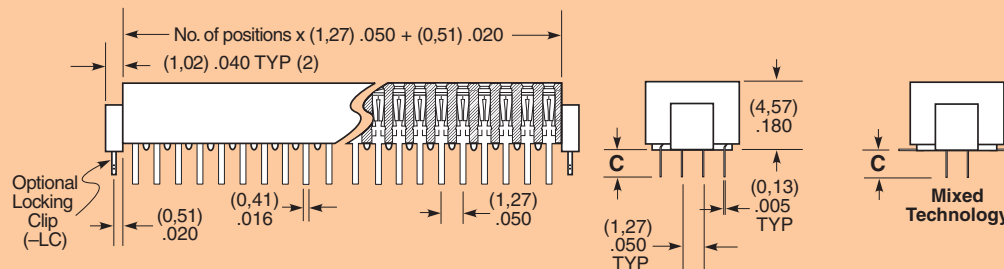
- For surface mount with Tiger Eye™ contact, see www.samtec.com?ROLC
- Also see TOLC/SOLC Series for surface mount design with Tiger Buy™ contacts.

Note: Other Gold plating options available. Contact Samtec.

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



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



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

WWW.SAMTEC.COM