

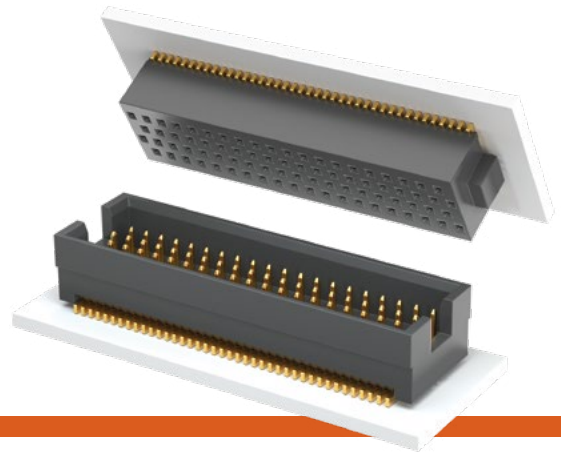


**THE DATASHEET OF
SOLC-115-02-S-Q-LC**



QUAD ROW SMT TERMINAL & SOCKET

(1.27 mm) .050" PITCH • TOLC/SOLC SERIES



TOLC
Mates:
SOLC

SOLC
Mates:
TOLC

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au over 50 μm (1.27 μm) Ni
Current Rating:
2.4 A per pin
(6 adjacent pins powered)
Operating Temp Range:
-55 °C to +125 °C
Insertion Depth (SOLC):
(1.68 mm) .066" to
(3.61 mm) .142" with
(0.38 mm) .015" wipe
Max Cycles (SOLC):
100+

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (05-35)
(0.15 mm) .006" max (40-50)*
*(.004" stencil solution
may be available; contact
ipg@samtec.com)

| | | | | | | |
|-------------|----------|-------------------------|-------------------|-----------------------|----------|---------------------|
| TOLC | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | Q | OTHER OPTION |
|-------------|----------|-------------------------|-------------------|-----------------------|----------|---------------------|

05, 10, 15, 20, 25,
30, 35, 40, 45, 50
(Standard Sizes)

Specify
LEAD
STYLE
from
chart

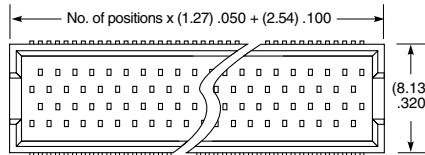
-F
= Gold flash
on contact,
Gold flash
on tail

-L
= 10 μm
(0.25 μm)
Gold on
contact,
Gold flash
on tail

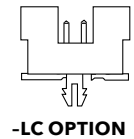
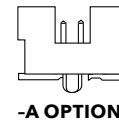
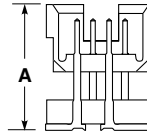
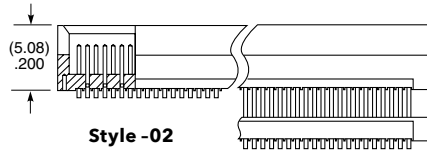
-A
= Alignment Pin
(N/A with -LC)

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

-K
= (9.00 mm) .354" DIA
Polyimide film
Pick & Place Pad



| LEAD STYLE | A | MATED HEIGHT |
|------------|--------------|--------------|
| -02 | (5.59) .220 | (6.35) .250 |
| -12 | (7.24) .285 | (8.00) .315 |
| -22 | (9.25) .364 | (10.00) .394 |
| -32 | (11.23) .442 | (12.00) .472 |



| | | | | | | |
|-------------|----------|-------------------------|-----------|-----------------------|----------|---------------------|
| SOLC | 1 | NO. PINS PER ROW | 02 | PLATING OPTION | Q | OTHER OPTION |
|-------------|----------|-------------------------|-----------|-----------------------|----------|---------------------|

05, 10, 15, 20, 25,
30, 35, 40, 45, 50
(Standard Sizes)

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

-L
= 10 μm (0.25 μm)
Gold on contact,
Gold flash
on tail

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

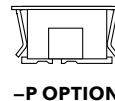
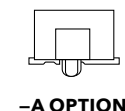
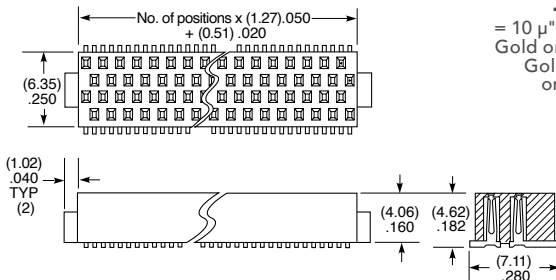
-LC
= Locking Clip
(N/A with -A)
(Manual
placement required)

-K
= (7.00 mm) .276" DIA
Polyimide film
Pick & Place Pad

-P
= Pick & Place Pad

-TR
= Tape & Reel

-FR
= Full Reel Tape & Reel
(must order max.
quantity per reel;
contact Samtec for
quantity breaks)



ALSO AVAILABLE



MOQ Required

Other sizes
Other platings

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

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View SOLC-115-02-S-Q-LC on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management