



(2,54 mm) .100"

LST, HLST SERIES

LST-120-07-G-D

LST-112-07-G-D

SELF-MATING HERMAPHRODITIC STRIP

SPECIFICATIONS

For complete specifications see www.samtec.com?LST or www.samtec.com?HLST

LST

Insulator Material:

LST: Black
Glass Filled Polyester

Terminal Material:

Phosphor Bronze

Contact Material:

Phosphor Bronze

Plating:

Au or Sn over 50µ"

(1,27 µm) Ni

Operating Temp Range:

-55°C to +125°C with Gold

-55°C to +105°C with Tin

Insertion Depth:

(3,68 mm) .145" to

(6,35 mm) .250"

Insertion Force:

(Single contact only)

6 oz (1,67 N) avg

Withdrawal Force:

(Single contact only)

4 oz (1,11 N) avg

Cycles:

100 with 10µ" (0,25 µm) Au

RoHS Compliant:

Yes

Lead-Free Solderable:

Wave Only

HLST

Same as LST except:

Insulator Material:

Liquid Crystal Polymer

(Socket Black, Header Natural)

Lead-Free Solderable:

Yes

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



Mates with:
LST, HLST

CURRENT RATING (PER CONTACT)

AMBIENT TEMP	5 Contacts
20°C	6.0A
40°C	5.3A
60°C	4.2A
80°C	3.0A



Hermaphroditic self-mating combination header/socket system

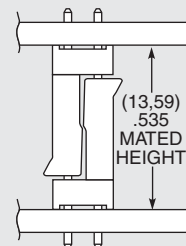
One part number for both socket and terminal

(2,54 mm) .100" pitch

Polarized

(0,64 mm) .025" square post

APPLICATION



Locking feature increases unmating force and provides audible "click" when properly mated

TYPE STRIP

1

NO. PINS PER ROW

07

PLATING OPTION

D

LST

= Standard

HLST

= High Temperature

02 thru 30

-F

= Gold flash on contact area, Matte Tin on tail

-G

= 10µ" (0,25 µm) Gold on contact area, Gold flash on balance

-T

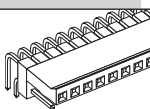
= Matte Tin

Note: Other Gold plating options available. Contact Samtec.

Also Available

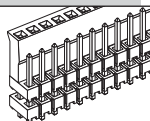
Right Angle

Call Samtec.



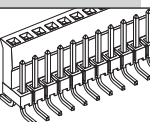
Elevated

Call Samtec.



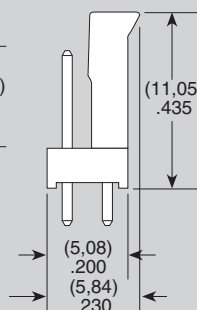
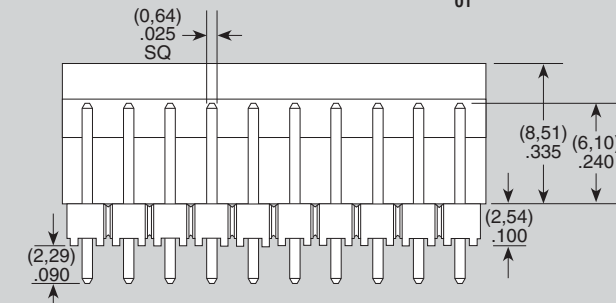
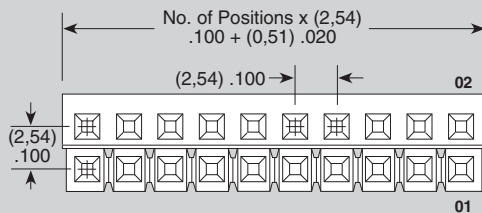
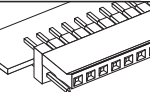
Surface Mount

Call Samtec.



Edge Mount

Call Samtec.



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

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