



(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

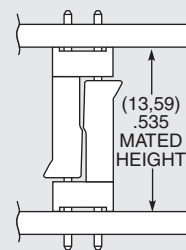
One part
number for
both socket
and terminal

(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

02 thru 30

HLST
= High Temperature

-F

= Gold flash on contact area,
Matte Tin on tail

-G

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

-T

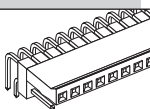
= Matte Tin

Note: Other Gold plating options available.
Contact Samtec.

Also Available

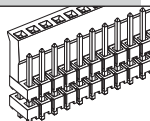
**Right
Angle**

Call Samtec.



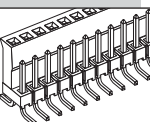
Elevated

Call Samtec.



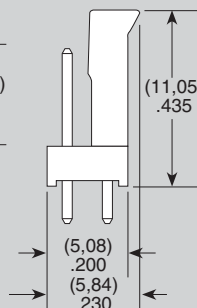
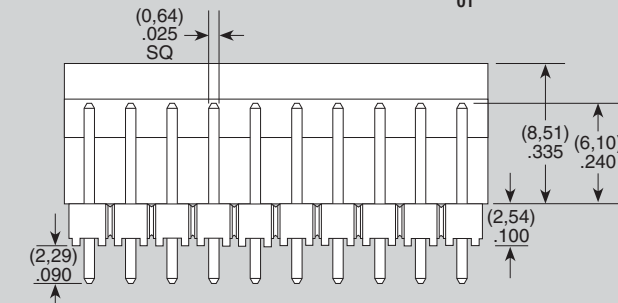
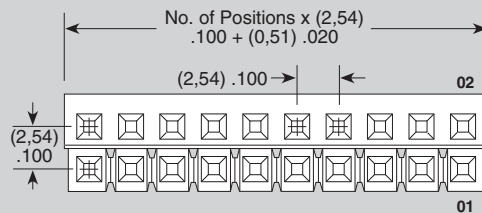
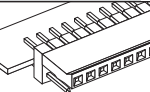
**Surface
Mount**

Call Samtec.



**Edge
Mount**

Call Samtec.



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

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292
SAMTEC ISRAEL • Tel: 972-3-7526600 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-6083 3766
2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9580 0683