

(2,54 mm) .100"

TSS, HTSS, ZSS SERIES

HTSS-125-01-L-DV

# SHROUDED .025" SQ POST HEADERS

**Mates with:**  
SSW, SSQ, ESW, ESQ,  
SSM, BCS

## SPECIFICATIONS

For complete specifications  
see [www.samtec.com?TSS](http://www.samtec.com?TSS),  
[www.samtec.com?HTSS](http://www.samtec.com?HTSS) or  
[www.samtec.com?ZSS](http://www.samtec.com?ZSS)

### Insulator Material:

Black Glass  
Filled Polyester  
(TSS, ZSS)

Natural PCT (HTSS)

### Insulation Resistance:

5000 MΩ min

### Terminal Material:

Phosphor Bronze

### Plating:

Au or Sn over  
50μ" (1,27 μm) Ni

### Current Rating:

3A per contact

### Operating Temp Range:

-55°C to +125°C with Gold

-55°C to +105°C with Tin

### Flammability Rating:

UL 94V-O

### Withstanding Voltage:

1000 VRMS

### RoHS Compliant:

Yes

### Processing:

Lead-Free Solderable:

Yes (HTSS)

Wave Only (TSS, ZSS)

SMT Lead Coplanarity:

(0,15 mm) .006"



TYPE STRIP

1

NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTIONROW  
OPTION

TSS

= Connector Strip

HTSS

= High Temp  
Connector Strip03  
(TSS only)

05, 07, 08, 10,  
12, 13, 15, 17,  
20, 25, 32, 36  
(Call Samtec for other sizes.)

Specify  
LEAD  
STYLE  
from  
chart.

-F

= Gold flash on post,  
Matte Tin on tail  
(Not available on -DV)

-L

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

-T

= Matte Tin

-D

= Double Row  
Through-hole  
(lead style -01,  
-02 & -03 only)

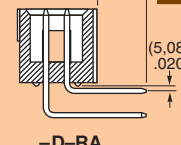
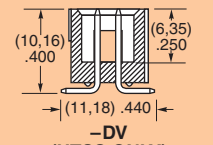
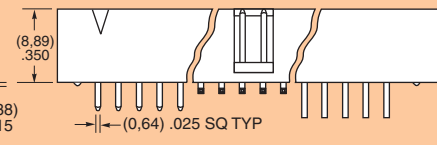
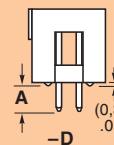
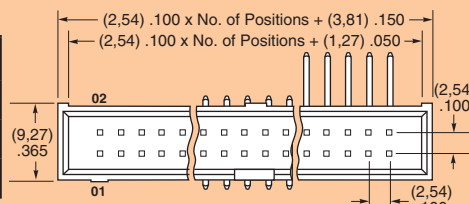
-DV

= Double Row  
Surface Mount  
(lead style  
-01 only)  
(HTSS only)

-D-RA

= Double Row  
Right Angle  
(lead style -04  
& -05 only)

| LEAD<br>STYLE | T/H<br>(A)      |
|---------------|-----------------|
| -01           | (2,92)<br>.115  |
| -02           | (4,19)<br>.165  |
| -03           | (14,35)<br>.565 |



| LEAD<br>STYLE | RIGHT<br>ANGLE<br>(B) |
|---------------|-----------------------|
| -04           | (3,30) .130           |
| -05           | (5,84) .230           |

## ALSO AVAILABLE

Shrouded IDC headers  
and stackers to mate  
with IDSD, SMSD Series.  
See TST, HTST and  
ZST Series.

## APPLICATION SPECIFIC OPTION

- Alignment Pins
  - Single Row
  - Locking Leads
  - Polarized
- Call Samtec.

**Note:** Other Gold plating  
options available.  
Contact Samtec.

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

ZSS

1

NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTION

D

BODY  
HEIGHT

03, 05, 07, 08, 10, 12,  
13, 15, 17, 20, 25, 32, 36  
(Call Samtec for other sizes.)

Specify  
LEAD  
STYLE  
from  
chart.

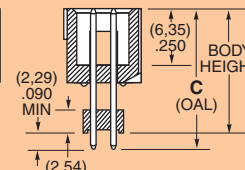
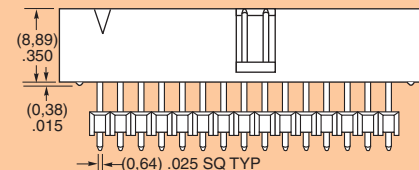
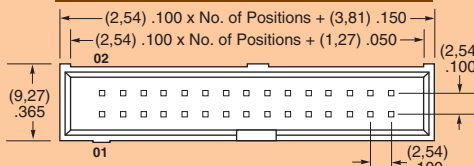
-F  
= Gold flash on post,  
Matte Tin on tail

-L  
= 10μ" (0,25 μm)  
Gold on post,  
Matte Tin on tail

-T

= Matte Tin

- "XXXX"  
= Body Height



**Note:** For added mechanical stability, Samtec  
recommends mechanical board spacers be  
used in applications with gold or selective  
gold plated connectors. Contact [ipg@samtec.com](mailto:ipg@samtec.com)  
for more information.

| LEAD<br>STYLE | C<br>(OAL)    | MAX BODY<br>HEIGHT |
|---------------|---------------|--------------------|
| -01           | (16,00) .630  | (13,72) .540       |
| -02           | (18,54) .730  | (16,26) .640       |
| -03           | (21,08) .830  | (18,80) .740       |
| -04           | (23,62) .930  | (21,34) .840       |
| -05           | (26,16) 1.030 | (23,88) .940       |
| -06           | (28,70) 1.130 | (26,42) 1.040      |
| -07           | (31,24) 1.230 | (28,96) 1.140      |
| -08           | (33,78) 1.330 | (31,50) 1.240      |
| -09           | (36,32) 1.430 | (34,04) 1.340      |

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

[WWW.SAMTEC.COM](http://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  
SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9580 0683