



(2.54 mm) .100"

TSM-116-02-S-DV-LC



TSM-121-01-T-SV

# SMT .025" SQ POST HEADER

**Board Mates:**

SSW, SSQ, SSM, BSW, ESW, ESQ, BCS, SLW, CES, HLE

**Cable Mates:**

IDSS, IDSD

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?TSM](http://www.samtec.com?TSM)

**Insulator Material:**

Black Liquid Crystal Polymer

**Terminal Material:**

Phosphor Bronze

**Plating:**

Au or Sn over

50  $\mu$ " (1.27  $\mu$ m) Ni**Operating Temp Range:**

-55 °C to +105 °C with Tin;

-55 °C to +125 °C with Gold

**Voltage Rating:**

475 VAC -SV/-DV mated with BCS or SSM

**RoHS Compliant:** Yes

| MATES          | CURRENT RATING (PER PIN) |
|----------------|--------------------------|
| TSM/SSW        | 4.7 A                    |
| TSM/SSM        | 5.4 A                    |
| TSM/HLE        | 4.1 A                    |
| 2 PINS POWERED |                          |

**PROCESSING****Lead-Free Solderable:** Yes**-DH/-SH Lead Coplanarity:**

(0.15 mm) .006" max (02-36)\*

**-DV/-SV Lead Coplanarity:**

(0.10 mm) .004" max (02-05)

(0.13 mm) .005" max (06-10)\*

(0.15 mm) .006" max (11-36)\*

(.004" stencil solution

may be available; contact

[IPG@samtec.com](mailto:IPG@samtec.com)**RECOGNITIONS**

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

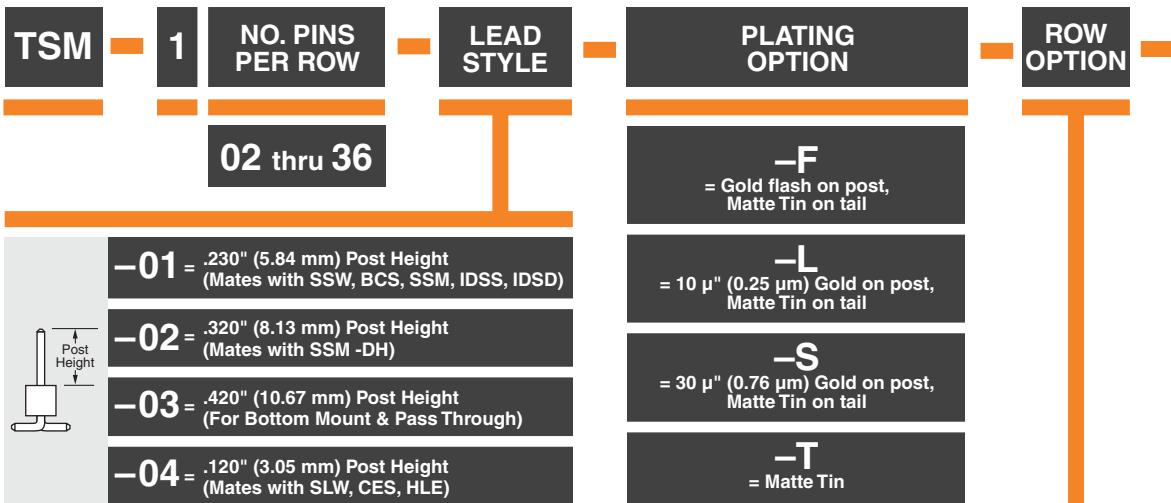


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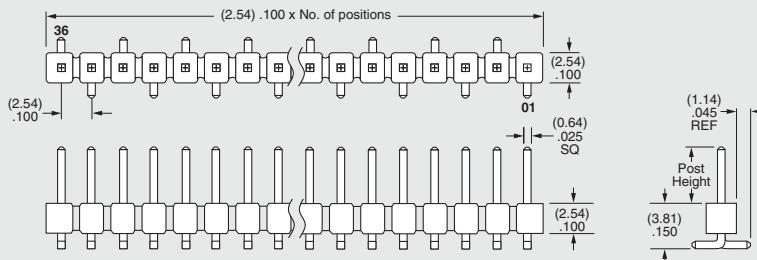
**ALSO AVAILABLE (MOQ Required)**

- Edge Mount and Locking Clips for -SV
- Solder Locks for -DH and Shrouds for -DV
- Other platings

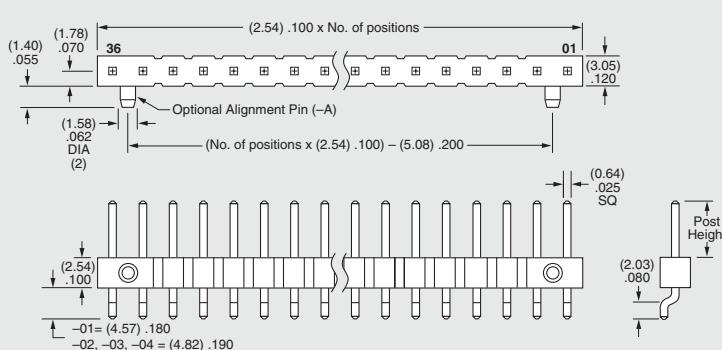
**Note:** Some lengths, styles and options are non-standard, non-returnable.



**-SV**  
= Single Row Vertical Pin



**-SH**  
= Single Row Horizontal Pin

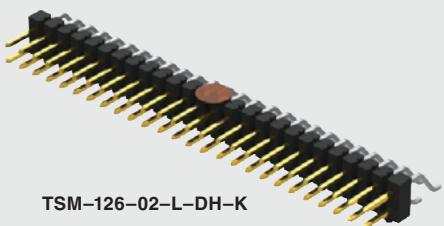


Due to technical progress, all designs, specifications and components are subject to change without notice.

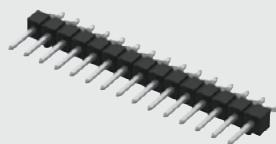
[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.



TSM-126-02-L-DH-K



TSM-115-01-T-SH-A



TSM-110-01-T-DV

## TSM SERIES

### OTHER OPTIONS

#### -A

= Alignment Pin  
metal or plastic  
at Samtec discretion  
(Not available  
with -TM or -MT)  
(02 positions min.)  
(Not available with -LC)

#### -LC

= Locking Clip  
(Not available with -TM)  
(3 positions min.)  
(Not available with -A)  
(Manual placement  
required)

#### -K

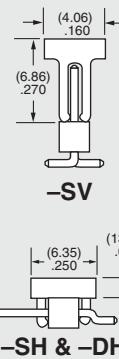
= (6.50 mm) .256" DIA  
Polyimide Film  
Pick & Place Pad  
(-SH: 4 positions  
minimum without -TR;  
2 & 3 positions  
available with -TR)  
(-DH: 4 positions  
minimum without -TR)

#### “XXX”

= Polarized  
Position

#### -P

= Plastic Pick & Place Pad  
(-DV: 4 positions minimum  
without -TR; 2 & 3 positions  
available with -TR)  
(-SH: 4 positions  
minimum without -TR;  
2 & 3 positions  
available with -TR)  
(-DH: 5 positions  
minimum without -TR)  
(-SV: 4 positions  
minimum without -TR;  
2 & 3 positions  
available with -TR)



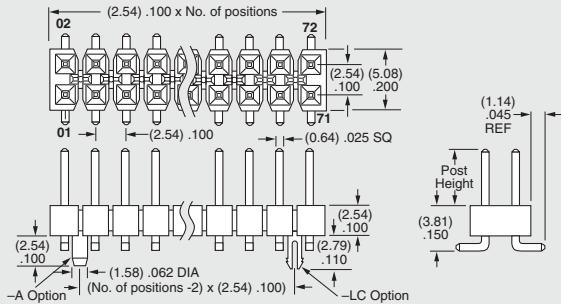
#### -TR

= Tape & Reel Packaging  
-SV = 02-22 positions  
-DV = 02-28 positions  
-SH = 02-30 positions  
-DH = 02-29 positions

Not available with -MT or -TM

#### -DV

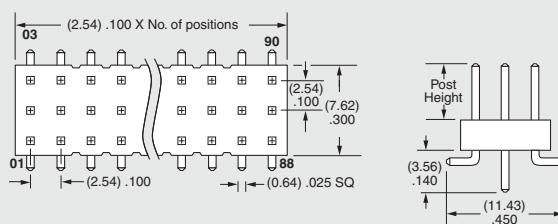
= Double Row Vertical Pin



#### -TM

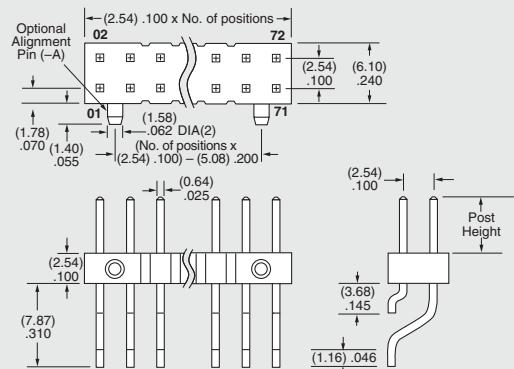
= Triple Row Vertical Mixed Technology (Style -01 only)

02 thru 30 positions only



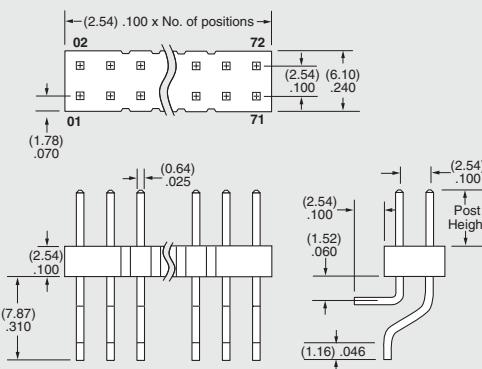
#### -DH

= Double Row Horizontal Pin  
(Style -01, -02 or -03 only)



#### -MT

= Mixed Technology Pin  
(Style -01, -02 or -03 only)



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