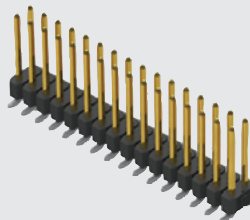




(2,54 mm) .100"

TSM-116-02-S-DV-LC



TSM-121-01-T-SV



# SMT .025" SQ POST HEADER

## Mates with:

SSW, SSQ, SSM, BSW,  
ESW, ESQ, BCS, SLW,  
CES, HLE, IDSS, IDSD,  
SMDS, SMSS

## 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

50µ" (1,27 µm) 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

### 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)

| MATES                 | CURRENT RATING (PER PIN) |
|-----------------------|--------------------------|
| TSM/SSW               | 4.9 A                    |
| TSM/SSM               | 5.4 A                    |
| TSM/HLE               | 4.1 A                    |
| 1 PIN POWERED PER ROW |                          |

## RECOGNITIONS

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



FILE NO. E111594

FILE NO. 990671\_0\_000

## APPLICATIONS

SSM TSM

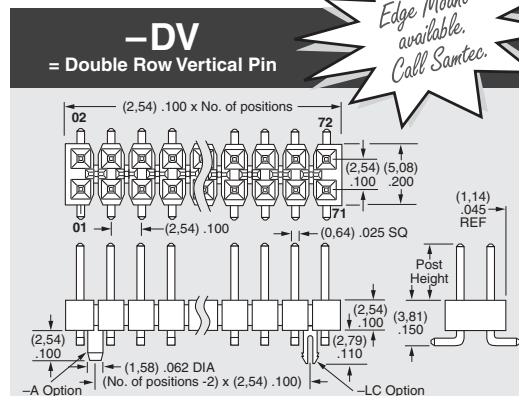
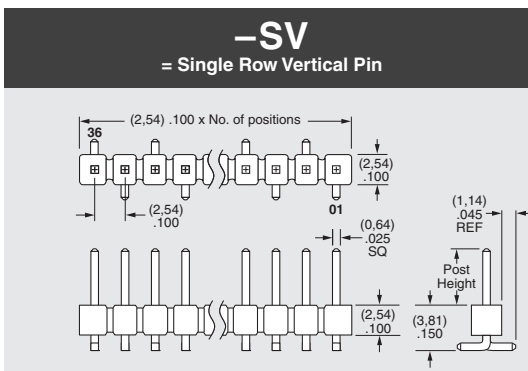


HORIZONTAL

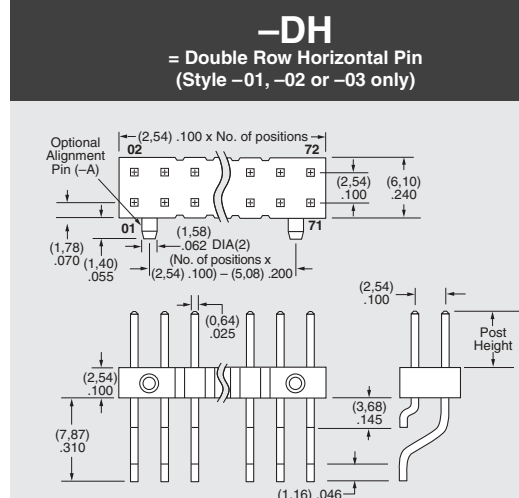
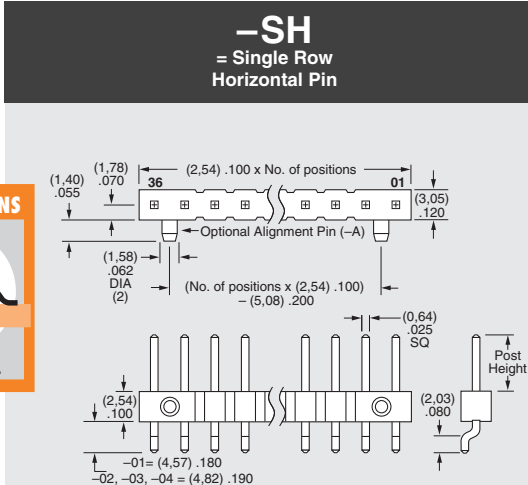
| TSM | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION |
|-----|---|------------------|------------|----------------|------------|
|     |   | 02 thru 36       |            |                |            |

|  |                                                                                                                                                                                                                                                                                                                                               |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>-01</b> = .230" (5,84 mm) Post Height<br/>(Mates with SSW, BCS, SSM, IDSS, IDSD)</p> <p><b>-02</b> = .320" (8,13 mm) Post Height<br/>(Mates with SSM -DH)</p> <p><b>-03</b> = .420" (10,67 mm) Post Height<br/>(For Bottom Mount &amp; Pass Through)</p> <p><b>-04</b> = .120" (3,05 mm) Post Height<br/>(Mates with SLW, CES, HLE)</p> |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

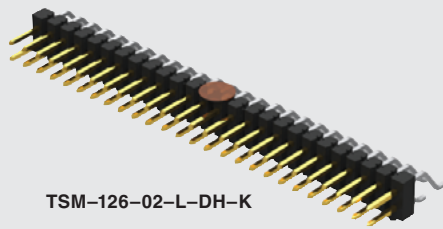
|                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>-F</b><br/>= Gold flash on post,<br/>Matte Tin on tail</p> <p><b>-L</b><br/>= 10µ" (0,25 µm) Gold on post,<br/>Matte Tin on tail</p> <p><b>-S</b><br/>= 30µ" (0,76 µm) Gold on post,<br/>Matte Tin on tail</p> <p><b>-T</b><br/>= Matte Tin</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



Edge Mount available.  
Call Samtec.

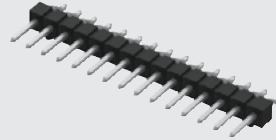


**Note:** Some lengths, styles and options are non-standard, non-returnable.

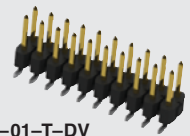


TSM-126-02-L-DH-K

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

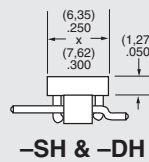
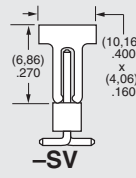
= (6,50 mm) .256" DIA Polyimide Film Pick & Place Pad (-SH: 4 positions minimum without -TR; 2 & 3 positions available with -TR) (-DH: 4 positions minimum without -TR)

#### -“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

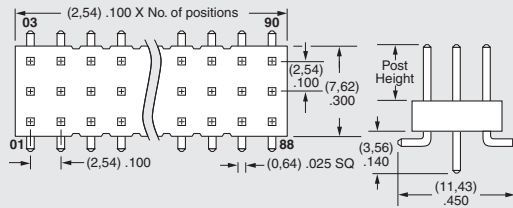
#### TAPE & REEL AVAILABILITY

No tooling charges. Minimum order is the lesser of a full reel quantity or 125 pieces. Order any quantity above minimum. In-house design, manufacture. Quick turn-around. Call Samtec for specifications and ordering information.

#### -TM

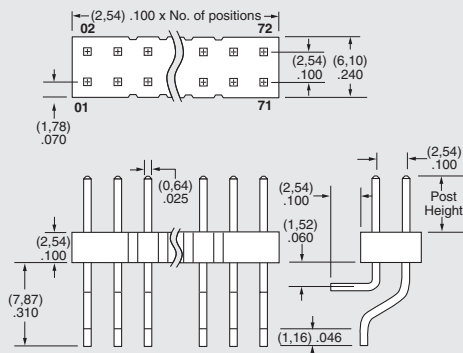
= Triple Row Vertical Mixed Technology (Style -01 only)

02 thru 30 positions only



#### -MT

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



### ALSO AVAILABLE (MOQ Required)

- Edge Mount and Locking Clips for -SV
  - Solder Locks for -DH and Shrouds for -DV
  - Metal Pick & Place Pad
  - Other platings
- Contact Samtec.

## Board Stacking

