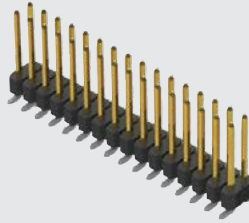


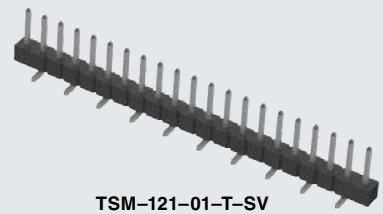


(2.54 mm) .100"

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, SMSD, 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 50 μm (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               | 4.7 A                    |
| TSM/SSM               | 5.4 A                    |
| TSM/HLE               | 4.1 A                    |
| 1 PIN POWERED PER ROW |                          |

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

|  |                                                                             |
|--|-----------------------------------------------------------------------------|
|  | -01 = .230" (5.84 mm) Post Height<br>(Mates with SSW, BCS, SSM, IDSS, IDSD) |
|  | -02 = .320" (8.13 mm) Post Height<br>(Mates with SSM -DH)                   |
|  | -03 = .420" (10.67 mm) Post Height<br>(For Bottom Mount & Pass Through)     |
|  | -04 = .120" (3.05 mm) Post Height<br>(Mates with SLW, CES, HLE)             |

|                                                            |
|------------------------------------------------------------|
| -F<br>= Gold flash on post,<br>Matte Tin on tail           |
| -L<br>= 10 μm (0.25 μm) Gold on post,<br>Matte Tin on tail |
| -S<br>= 30 μm (0.76 μm) Gold on post,<br>Matte Tin on tail |
| -T<br>= Matte Tin                                          |

|  |                                  |  |
|--|----------------------------------|--|
|  | -SV<br>= Single Row Vertical Pin |  |
|  |                                  |  |

|  |                                    |  |
|--|------------------------------------|--|
|  | -SH<br>= Single Row Horizontal Pin |  |
|  |                                    |  |

## RECOGNITIONS

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



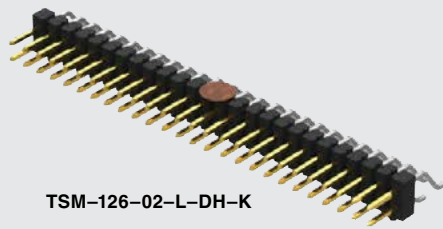
## APPLICATIONS



## ALSO AVAILABLE (MOQ Required)

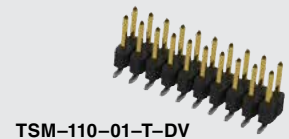
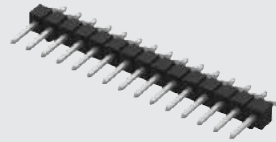
- Edge Mount and Locking Clips for -SV
- Solder Locks for -DH and Shrouds for -DV
- Other platings Contact Samtec.

**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

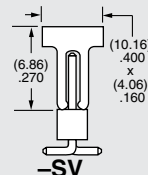
= (6.50 mm) .256" DIA  
Polyimide Film  
Pick & Place Pad  
(-SH: 4 positions  
minimum without -TR;  
2 & 3 positions  
available with -TR)  
(-DH: 4 positions  
minimum  
without -TR)

#### -“XXX”

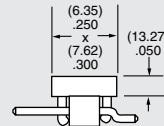
= Polarized  
Position

#### -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)



-SV



-SH & -DH

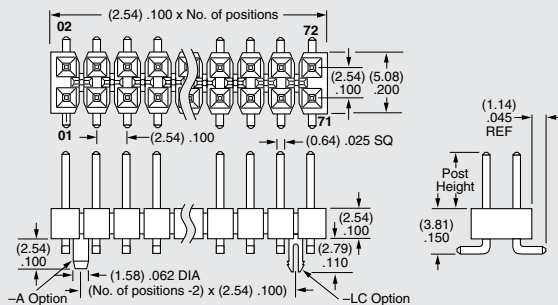
#### -TR

= 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

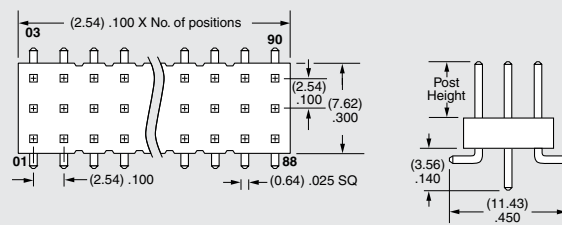
= Double Row Vertical Pin



#### -TM

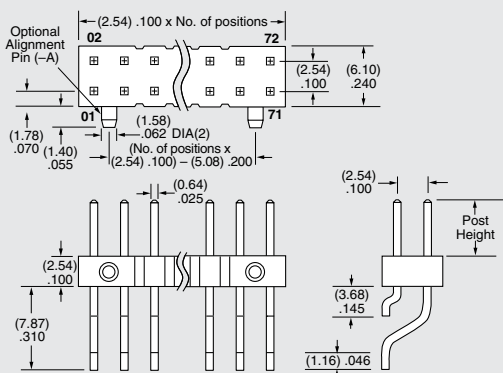
= Triple Row Vertical Mixed Technology (Style -01 only)

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)

