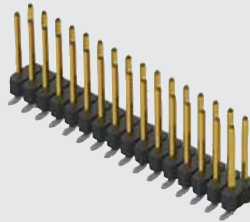
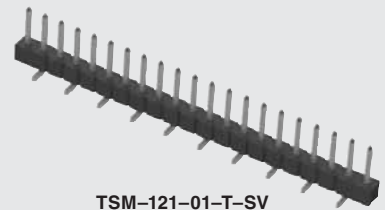


(2.54 mm) .100"

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,  
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  $\mu$  (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

### Lead-Free Solderable:

Yes

### -DH/-SH Lead Coplanarity:

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

### -DVI/-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<br>(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. 99071\_0\_000

## APPLICATIONS

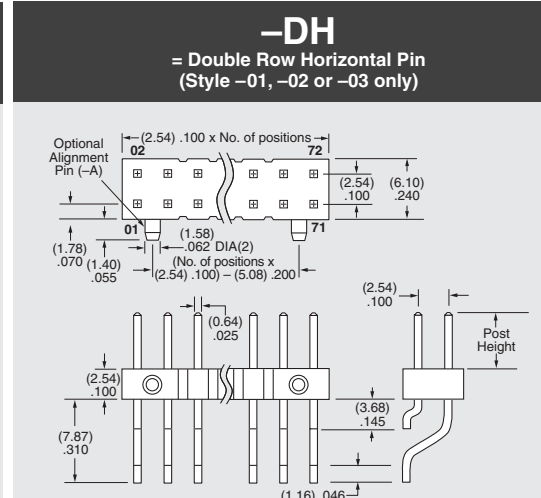
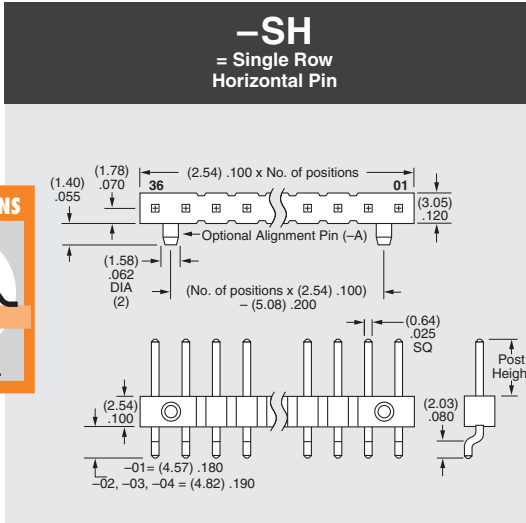
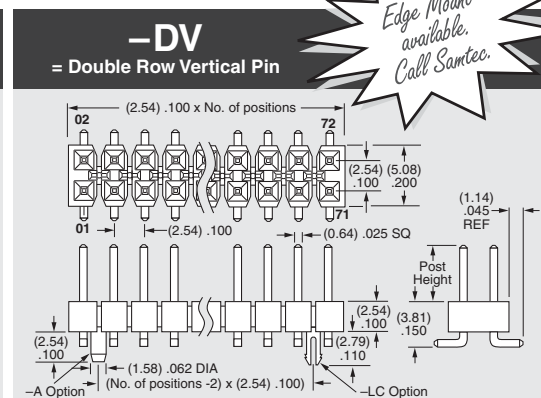
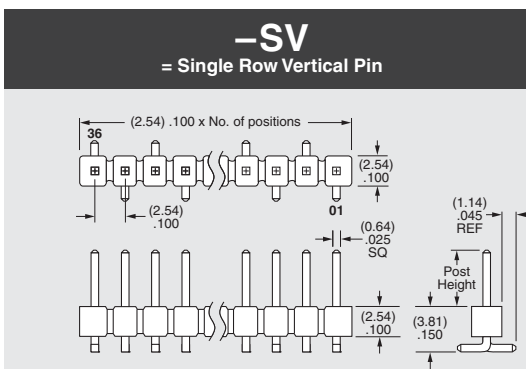
SSM TSM

HORIZONTAL

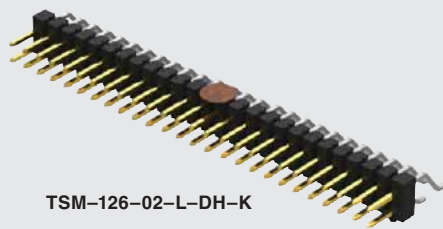
| TSM | 1 | NO. PINS<br>PER ROW | LEAD<br>STYLE | PLATING<br>OPTION | ROW<br>OPTION |
|-----|---|---------------------|---------------|-------------------|---------------|
|     |   | 02 thru 36          |               |                   |               |

|  |                                                                             |
|--|-----------------------------------------------------------------------------|
|  | -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 $\mu$ " (0.25 $\mu$ m) Gold on post,<br>Matte Tin on tail |
| -S<br>= 30 $\mu$ " (0.76 $\mu$ m) Gold on post,<br>Matte Tin on tail |
| -T<br>= Matte Tin                                                    |

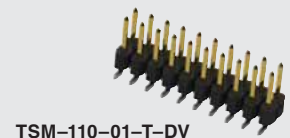


**Note:** Some lengths,  
styles and options are  
non-standard, non-returnable.



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

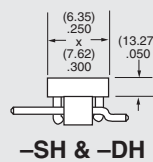
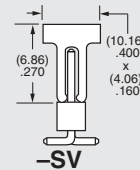
= (6.50 mm) .256" DIA Polyimide Film Pick & Place Pad (-SH: 4 positions minimum without -TR; 2 & 3 positions available with -TR) (-DH: 4 positions minimum without -TR)

#### -“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

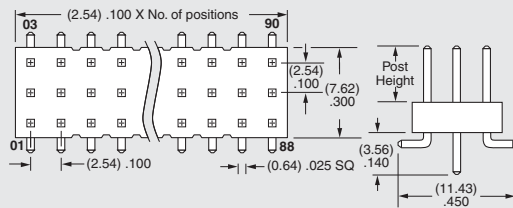
#### TAPE & REEL AVAILABILITY

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

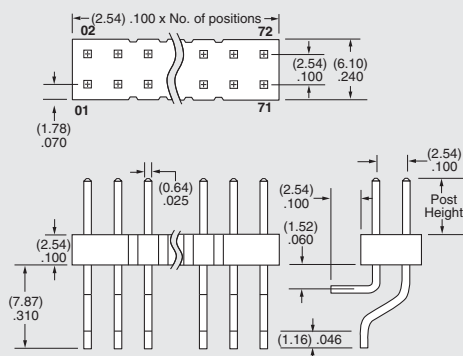
= Triple Row Vertical Mixed Technology (Style -01 only)

02 thru 30 positions only



#### -MT

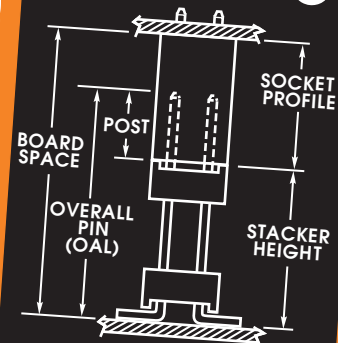
= Mixed Technology Pin (Style -01, -02 or -03 only)



### ALSO AVAILABLE (MOQ Required)

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

## Board Stacking



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[TSM-120-02-F-MT](#) [TSM-135-01-F-DV](#)