



TSM-116-02-S-DV-LC





(2.54 mm) .100"

## **.**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

#### Insulator Material:

Black Liquid Crystal Polymer Terminal Material: Phosphor Bronze

Phosphor Bronze
Plating:
Au or Sn over
50 µ" (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
PAHS Compliant: Yes

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 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)\* (0.04" stencil solution may be available; apertact may be available; contact IPG@samtec.com)

#### RECOGNITIONS

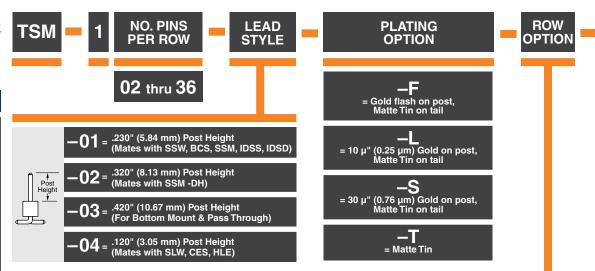
For complete scope of recognitions see www.samtec.com/quality

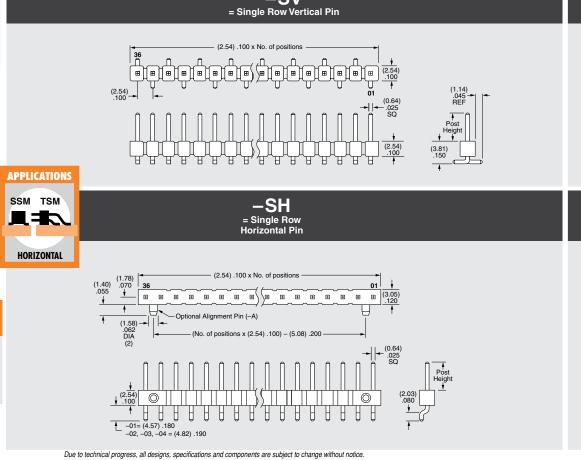


#### **ALSO AVAILABLE** (MOQ Required)

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

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









**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

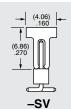
#### -P

= 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)



# -\$H & -DH

#### -TR

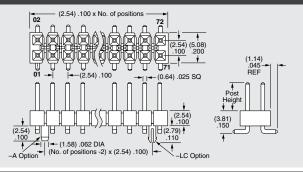
= Tape & Reel Packaging –SV: 02-22 positions, –DV:02-28 positions, -SH: 02-30 positions, –DH: 02-29 positions (Not available with –MT or –TM)

#### -FR

= Full Reel Tape & Reel Packaging (Must order maximum quantities per reel. Contact Samtec for parts per reel) -SV: 02-22 positions, -DV:02-28 positions, -SH: 02-30 positions, -DH: 02-29 positions (Not available with -MT or -TM)

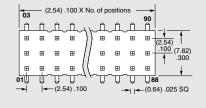
#### -DV

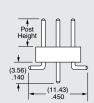
= Double Row Vertical Pin



**—TM** = Triple Row Vertical Mixed Technology (Style –01 only)

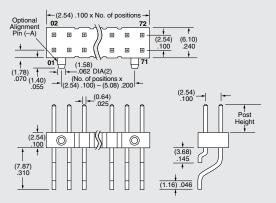
#### 02 thru 30 positions only





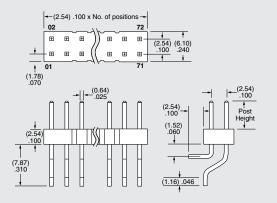
#### –DH

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



#### -MT

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



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