



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
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) .006" max (06-10)\* (0.15 mm) .006" max (11-36)\* \*(.004" stencil solution may be available; contact IPG@samtec.com)

#### RECOGNITIONS

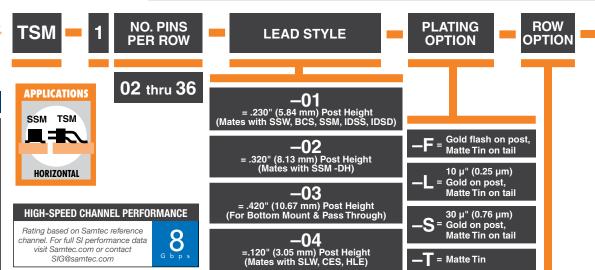
For complete scope of recognitions see www.samtec.com/quality

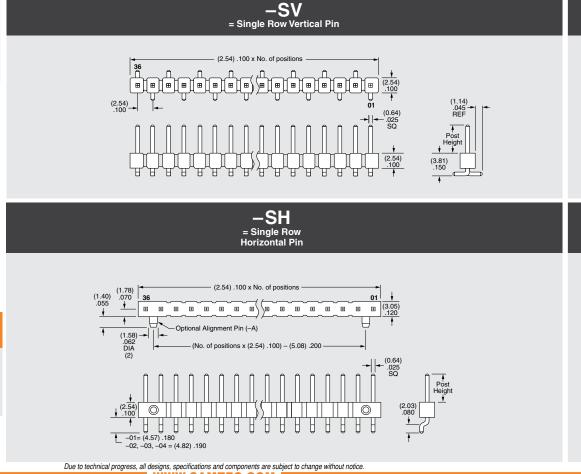


# **ALSO AVAILABLE** (MOQ Required)

- 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.





WWW.SAMTEC.COM





**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

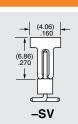
# -P

= 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)



#### -(6.35) - (13.27) -(50) - (50) -(50) - (13.27)

# -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

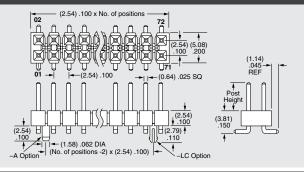
— FN

= Full Reel Tape & Reel
(must order maximum quantity per reel;
contact Samtec for quantity breaks)

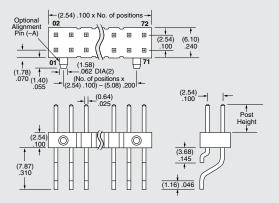
-SV: 02-22 positions, -DV:02-28 positions,
-SH: 02-30 positions, -DH: 02-29 positions
(Not available with -MT or -TM)

# -DV

= Double Row Vertical Pin



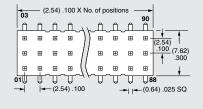
#### **−DH** = Double Row Horizontal Pin (Style −01, −02 or −03 only)

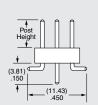


# -TM

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

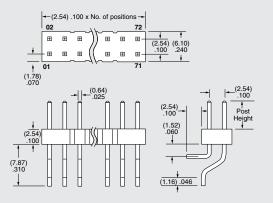
## 02 thru 30 positions only





# -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.

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TSM-109-01-L-SH