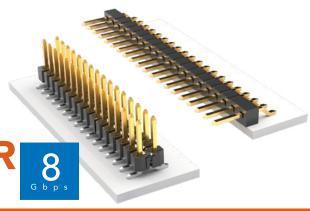
# **SURFACE MOUNT** .025" SQ POST HEADEI

(2.54 mm) .100" PITCH • TSM SERIES



**TSM Board Mates:** 

SSW, SSQ, SSM, BSW, ESW, ESQ, BCS, SLW, CES, HLE

Cable Mates:

IDSS, IDSD

# **TSM**

NO. PINS PER ROW

**LEAD STYLE** 

02 thru 36

Specify LEAD STYLE from chart

### **SPECIFICATIONS**

Insulator Material: Black Liquid Crystal Polymer Terminal Material:

Terminal Material:
Phosphor Bronze
Plating:
Au or Sn over
50 μ" (1.27 μm) Ni
Operating Temp Range:
-55 °C to +125 °C with Gold
Voltage Rating: Voltage Rating: 475 VAC -SV/-DV mated with BCS or SSM

### **PROCESSING**

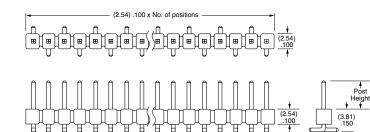
### Lead-Free Solderable:

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)\*
\*(.004" stencil solution
may be available; contact

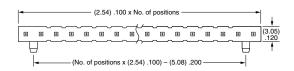
ipg@samtec.com)

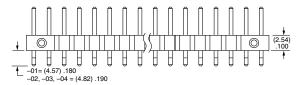
MATES	CURRENT RATING (PER PIN)
TSM/SSW	4.7 A
TSM/SSM	5.4 A
TSM/HLE	4.1 A

**2 POSITIONS POWERED** 



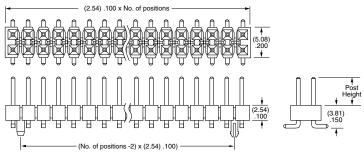
-SV Row Option





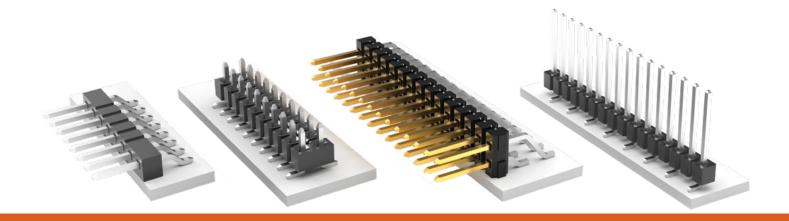
-SH Row Option

STYLE	HEIGHT	WITH
-01	(5.84) .230	SSW, BCS, SSM, IDSS, IDSD
-02	(8.13) .320	SSM -DH
-03	(10.67) .420	Bottom Mount & Pass Through
-04	(3.05) .120	SLW, CES, HLE



### Some lengths, styles and -DV Row Option

options are non-standard,



### **PLATING OPTION**

## **ROW OPTION**

### **OTHER OPTIONS**

= Gold flash on post, Matte Tin on tail

**-L** = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail

**-\$** = 30 μ" (0.76 μm) Gold on post, Matte Tin on tail

# = Matte Tin

**-SV** = Single Row Vertical Pin

= Double Row Vertical Pin

### -SH

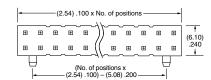
= Single Row Horizontal Pin

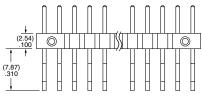
**-DH** = Double Row Horizontal Pin (Style -01, -02 or -03 only)

= Triple Row Vertical Mixed Technology (Style –01 only) (02 thru 30 positions only)

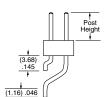
### -MT

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





-DH Row Option



# **\_"XXX"** = Polarized Position

-A
= Alignment Pin
metal or plastic at Samtec discretion
(Not available with -TM or -MT)
(02 positions minimum)
(Not available with -LC)

-LC
= Locking Clip
(Not available with -TM)
(3 positions minimum)
(Not available with -A)
(Manual placement required)

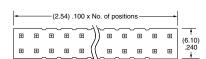
-K
= (6.50 mm) .256" DIA
Polyimide Film Pick & Place Pad
(-SH: 4 positions minimum without -TR;
2 & 3 positions available with -TR)
(-DH: 4 positions minimum without -TR)

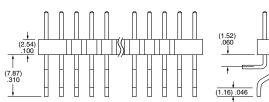
-P
= Plastic Pick & Place Pad
(-DV: 4 positions minimum without -TR;
2 & 3 positions available with -TR)
(-SH: 4 positions minimum without -TR;
2 & 3 positions available with -TR)
(-DH: 5 positions minimum without -TR)
(-SV: 4 positions minimum without -TR;
2 & 3 positions available with -TR)

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

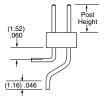
### -FR

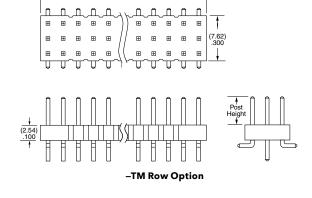
= Full Reel Tape & Reel
(must order maximum quantity per reel;
contact Samtec for quantity breaks)
-SV: 02-22 positions, -DV: 02-28 positions,
-SH: 02-30 positions, -DH: 02-29 positions
(Not available with -MT or -TM)





-MT Row Option





(2.54) .100 x No. of positions

# **Mouser Electronics**

**Authorized Distributor** 

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## Samtec:

TSM-109-02-L-SH-A-002-P