# SURFACE MOUNT .025" SQ POST HEADE Gbp

**TSM** 

(2.54 mm) .100" PITCH • TSM SERIES

#### TSM

**Board Mates:** SSW, SSQ, SSM, BSW, ESW, ESQ, BCS, SLW, CES, HLE Cable Mates: IDSS, IDSD

#### **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 +105 °C with Tin; -55 °C to +125 °C with Gold Voltage Ration: Voltage Rating: 475 VAC -SV/-DV mated with BCS or SSM

#### PROCESSING

Lead-Free Solderable:

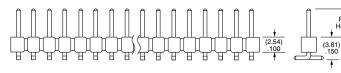
Lead-Free Solderable: Yes -DH/-SH Lead Coplanarity: (0.15 mm) .006" max (02-36)\* -DV/-SV Lead Coplanarity: (0.10 mm) .004" max (02-05) (0.13 mm) .006" max (06-10)\* (0.15 mm) .006" max (11-36)\* \*(.004" stencil solution may be available; contact ipo@samtec com) ipg@samtec.com)

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

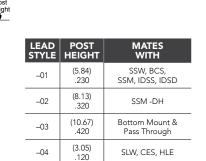


8

**NO. PINS PER ROW** 



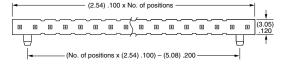


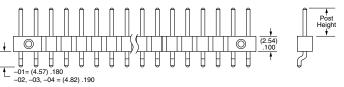


LEAD STYLE

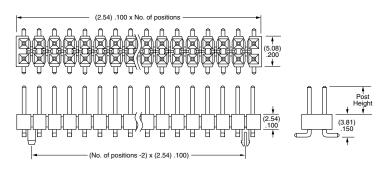
Specify LEAD STYLE

from chart





## -SH Row Option



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

F-221 (Rev 29MAR21)

#### -DV Row Option

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Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.



#### PLATING OPTION

-F= Gold flash on post, Matte Tin on tail

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

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

-T = Matte Tin

#### **ROW OPTION**

**-SV** = Single Row Vertical Pin

-DV = Double Row Vertical Pin

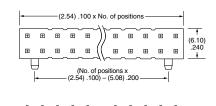
-SH = Single Row Horizontal Pin

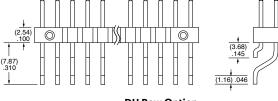
**-DH** = Double Row Horizontal Pin (Style -01, -02 or -03 only)

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

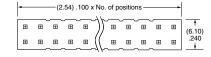
> -MT = Mixed Technology Pin (Style -01, -02 or -03 only)

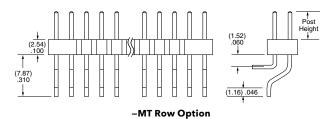
> > Post Height





-DH Row Option





### **OTHER OPTIONS**

**-"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)

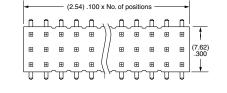
-K = (6.50 mm) .256" DIA Polyimide Film Pick & Place Pad (-SH: 4 positions minimum without -TR; 2 & 3 positions available with -TR) (-DH: 4 positions minimum without -TR)

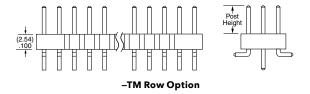
-P = Plastic Pick & Place Pad (-DV: 4 positions minimum without -TR; 2 & 3 positions available with -TR) (-SH: 4 positions minimum without -TR; 2 & 3 positions minimum without -TR) (-DH: 5 positions minimum without -TR; 2 & 3 positions available with -TR)

**-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)





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Samtec: TSM-105-04-S-DV