

(2,54 mm) .100"

TSM SERIES

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

Insulator Material:

Black Liquid

Crystall Polymer

Terminal Material:

Phosphor Bronze

Plating:

Au or Sn over

50µ" (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

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)

AMBIENT TEMPERATURE	CURRENT RATING
20°C	7A
40°C	6A
60°C	4A
80°C	3A



TSM	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION
		02 thru 36			

	-01 = .230" (5,84 mm) Post Height (Mates with SSW, BCS, SSM, IDSS, IDSD)
	-02 = .320" (8,13 mm) Post Height (Mates with SSM -DH)
	-03 = .420" (10,67 mm) Post Height (For Bottom Mount & Pass Through)
	-04 = .120" (3,05 mm) Post Height (Mates with SLW, CES, HLE)

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

-L = 10µ" (0,25 µm) Gold on post, Matte Tin on tail

-SS = 30µ" (0,76 µm) Gold stripe on contact area,
Gold flash to tip, Matte Tin on tail
(-MT & lead styles -02, -03 & -04 N/A)
(Mates only with SSW, BCS, SSM,
SSQ, ESW, ESQ)

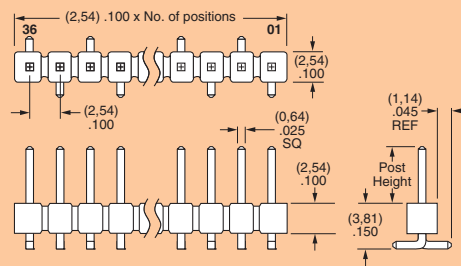
-S = 30µ" (0,76 µm) Gold on post,
Matte Tin on tail

-T = Matte Tin

Specify
-SS for
cost-effective
heavy Gold
where it
counts!

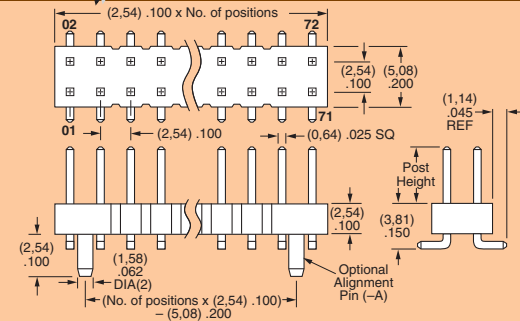
-SV

= Single Row Vertical Pin



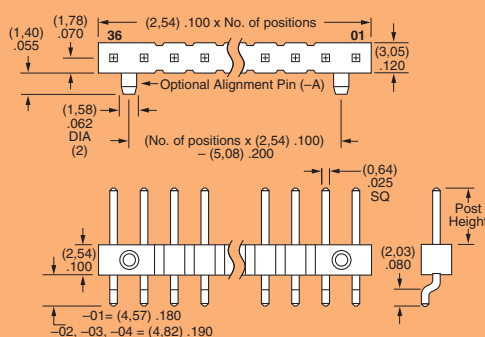
-DV

= Double Row Vertical Pin



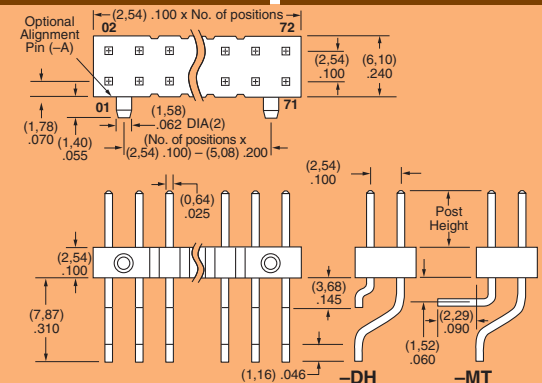
-SH

= Single Row Horizontal Pin



-DH

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



-DH -MT

APPLICATIONS



Note: Other Gold plating options available. Contact Samtec.

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

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

WWW.SAMTEC.COM

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TSM-118-01-L-DH

TSM-115-01-T-SH-A

TSM-110-01-T-DV

OTHER OPTIONS

-A

= Alignment Pin metal or plastic at Samtec discretion (Not available with -TV, TM or -MT) (02 positions min.) (N/A with -LC)

-LC

= Locking Clip (N/A with -TV or -TM) (3 positions min.) (N/A with -A) (Manual placement required)

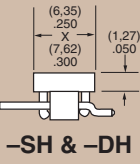
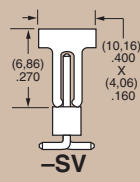
-K

= (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)

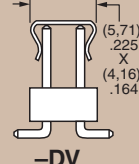
-“XXX”
= Polarized Position

-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)

**-M**

= Metal Pick & Place Pad (4 positions minimum without -TR) (2 & 3 positions available with -TR) Styles -01 & -04 only (N/A with -T plating)

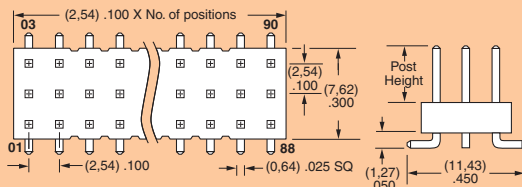
**-TR**

= Tape & Reel Packaging
-SV = 02-22 positions
-DV = 02-28 positions
-SH = 02-30 positions
-DH = 02-29 positions
N/A with -MT, -TV or -TM

**-TV**

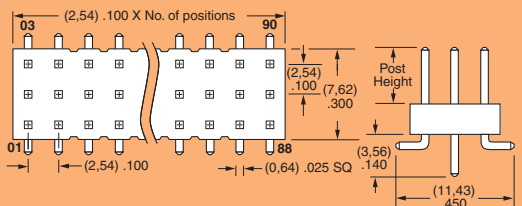
= Triple Row Vertical Surface Mount (Style -01 only)

02 thru 30 positions only

**-TM**

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

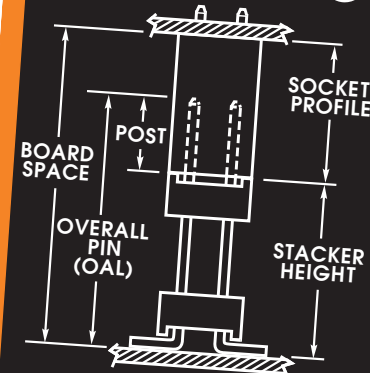
02 thru 30 positions only



APPLICATION SPECIFIC OPTIONS

Edge Mount and Locking Clips for -SV,
Solder Locks for -DH and Shrouds for -DV.
Call Samtec.

Board Stacking



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