

TSM-118-01-T-SV



(2,54 mm) .100"

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
Crystal 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)

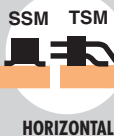
MATES	CURRENT RATING (PER PIN)
TSM/SSW	4.9 A
TSM/SSM	5.4 A
TSM/HLE	4.1 A
1 PIN POWERED PER ROW	

RECOGNITIONS

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



APPLICATIONS



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

TSM	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION
		02 thru 36		-F = Gold flash on post, Matte Tin on tail	
				-L = 10µ" (0,25 µm) Gold on post, Matte Tin on tail	
				-S = 30µ" (0,76 µm) Gold on post, Matte Tin on tail	
				-T = Matte Tin	

-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)

-SV = Single Row Vertical Pin

(2,54) .100 x No. of positions

(2,54) .100

(0,64) .025 SQ

(1,14) .045 REF

Post Height

(3,81) .150

-DV = Double Row Vertical Pin

Edge Mount available. Call Samtec.

(2,54) .100 x No. of positions

(2,54) (5,08) .100 .200

(2,54) .100

(0,64) .025 SQ

(1,14) .045 REF

Post Height

(3,81) .150

(2,54) .100

(2,79) .110

(1,58) .062 DIA (No. of positions -2) x (2,54) .100

-A Option

-LC Option

-SH = Single Row Horizontal Pin

(1,40) .055

(1,78) .070

(2,54) .100 x No. of positions

(3,05) .120

Optional Alignment Pin (-A)

(1,58) .062 DIA (2)

(No. of positions x (2,54) .100) - (5,08) .200

(0,64) .025 SQ

Post Height

(2,03) .080

-01 = (4,57) .180

-02, -03, -04 = (4,82) .190

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

(2,54) .100 x No. of positions

(2,54) (6,10) .100 .240

(1,78) .070

(1,40) .055

(1,58) .062 DIA (2)

(No. of positions x (2,54) .100) - (5,08) .200

(0,64) .025 SQ

Post Height

(3,68) .145

(2,54) .100

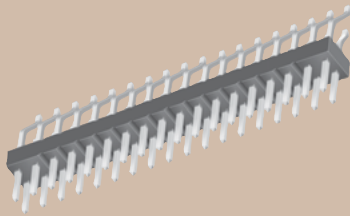
(7,87) .310

(1,16) .046

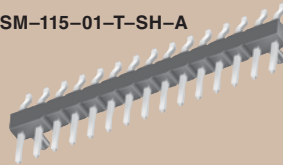
Due to technical progress, all designs, specifications and components are subject to change without notice.

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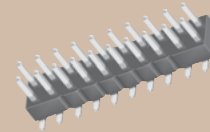
TSM-118-01-L-DH



TSM-115-01-T-SH-A



TSM-110-01-T-DV



TSM SERIES

OTHER OPTIONS

-A

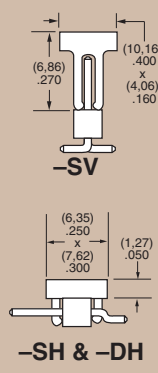
= Alignment Pin metal or plastic at Samtec discretion (Not available with -TM or -MT) (02 positions min.) (N/A with -LC)

-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)

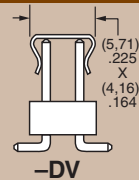
-P

= 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)



-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 or -TM

-LC

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

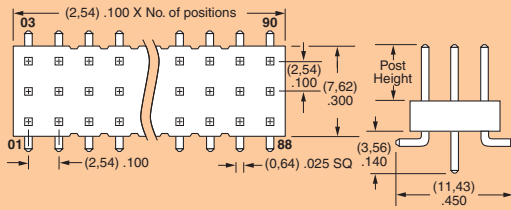
-“XXX”
= Polarized Position

TAPE & REEL AVAILABILITY
No tooling charges. Minimum order is the lesser of a full reel quantity or 125 pieces. Order any quantity above minimum. In-house design, manufacture. Quick turn-around. Call Samtec for specifications and ordering information.

-TM

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

02 thru 30 positions only

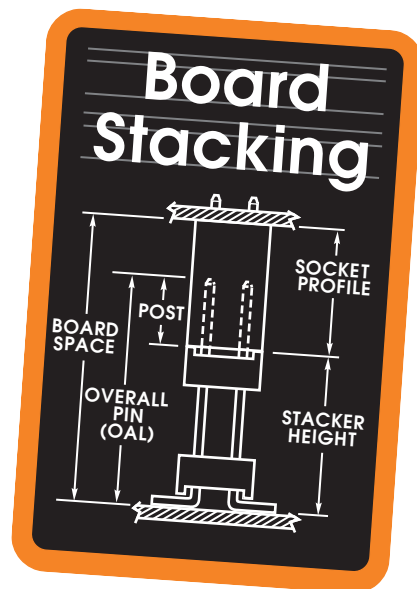
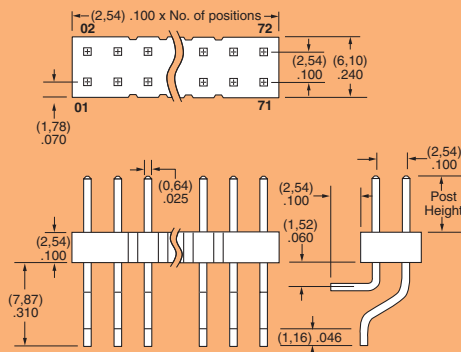


ALSO AVAILABLE
(MOQ Required)

- Edge Mount and Locking Clips for -SV
- Solder Locks for -DH and Shrouds for -DV
- Other platings
- Contact Samtec.

-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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