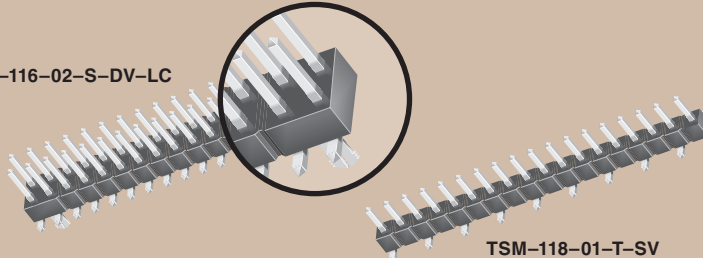


(2,54mm) .100"

TSM SERIES



TSM-118-01-T-SV

SMT .025" SQ POST HEADER

Mates with:

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

Plating:

Au or Sn over
50µ" (1,27µm) 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:

(0,15mm) .006" max (02-36)

-DV/-SV Lead Coplanarity:

(0,10mm) .004" max (02-05)

(0,13mm) .005" max (06-10)

(0,15mm) .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" (5,84mm) Post Height (Mates with SSW, BCS, SSM, IDSS, IDSD)
-02 = .320" (8,13mm) Post Height (Mates with SSM -DH)
-03 = .420" (10,67mm) Post Height (For Bottom Mount & Pass Through)
-04 = .120" (3,05mm) Post Height (Mates with SLW, CES, HLE)

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

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

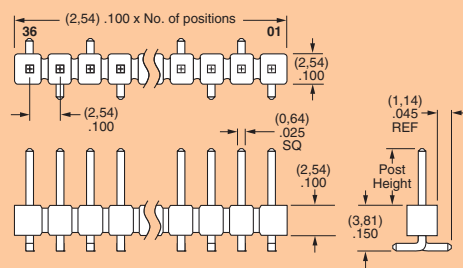
-T = Matte Tin

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

Edge Mount
available.
Call Samtec.

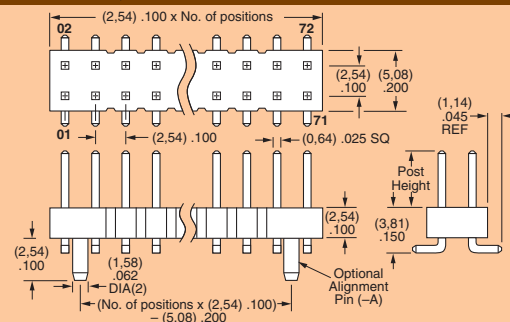
-SV

= Single Row Vertical Pin



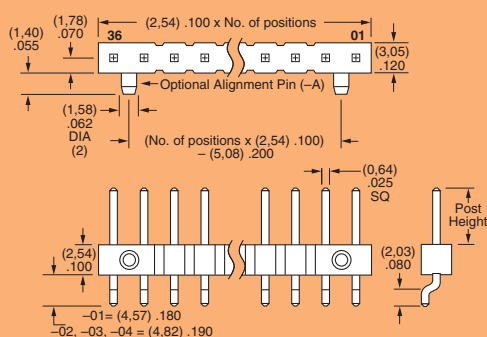
-DV

= Double Row Vertical Pin



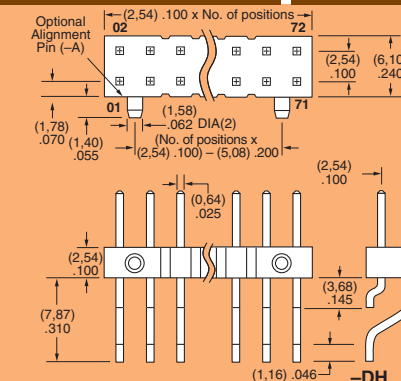
-SH

= Single Row Horizontal Pin



-DH

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



-MT

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

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

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)

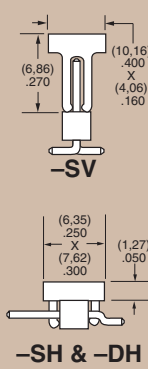
-K

= (6,50mm) .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)

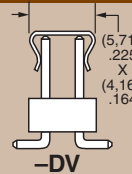
“XXX”
= Polarized
Position

-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**

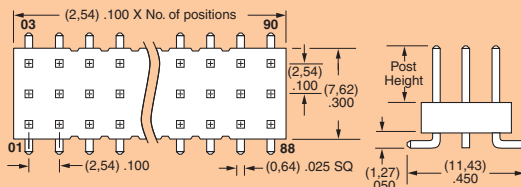
= Tape & Reel Packaging
(-SV = 02-22 positions;
02 & 03 positions only available with -P)
(-DV = 02-28 positions;
02 & 03 positions only available with -M)
(-SH = 02-30 positions;
02 position only available with -P)
(-DH = 02-36 positions;
02 & 03 positions only available with -K
and -P, 04 positions only with -P)

N/A with -MT, -TV or -TM

**-TV**

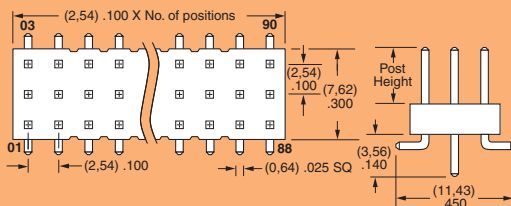
= Triple Row Vertical Surface Mount (Style -01 only)

02 thru 30 positions only

**-TM**

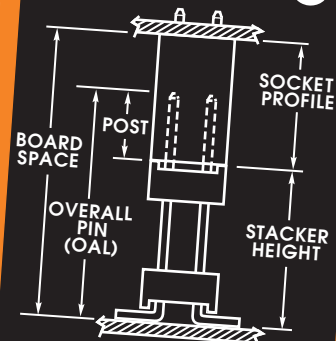
= Triple Row Vertical Mixed Technology
(Style -01 only)

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

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

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