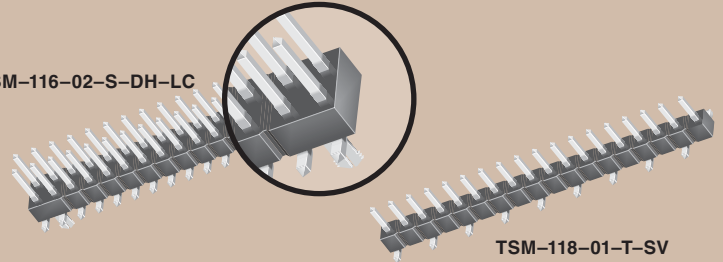


TSM-116-02-S-DH-LC



TSM-118-01-T-SV

Surface
SMT
Mount

.025" SQ TERMINAL STRIPS TSM SERIES

Mates with:
SSW, SSQ, SSM, BSW,
ESW, ESQ, BCS, SLW,
CES, IDSS, IDSD, HLE

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

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

Processing:
Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x
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)

APPLICATIONS

SSM TSM

HORIZONTAL

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 | | -L = 10µ" (0,25µm) Gold on post, Matte Tin on tail | |
| | | | | -T Matte Tin on tail | |
| | | | | -S = 30µ" (0,76µm) Gold on post, Matte Tin on tail | |

-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)

Edge Mount available. Call Samtec.

-SV
= Single Row Vertical Pin

-DV
= Double Row Vertical Pin

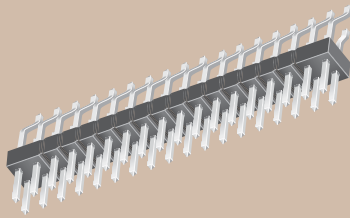
-SH
= Single Row Horizontal Pin

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

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

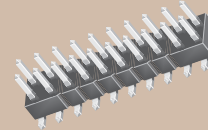
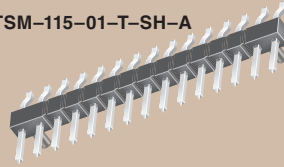
Due to technical progress, all designs, specifications and components are subject to change without notice.

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
N/A with -TV, TM
or -MT.
(02 positions
minimum)

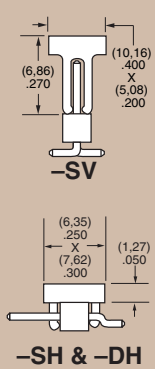
-K

= (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

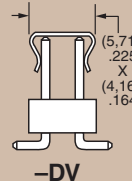
-P

= 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



-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 positions only available with -P)
(-DH = 02-36 positions;
02 & 03 positions only available with -K
and -P, 04 positions only with -P)

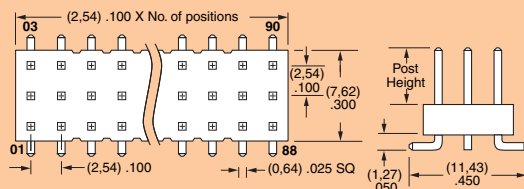
N/A with -MT, -TV or -TM



-TV

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

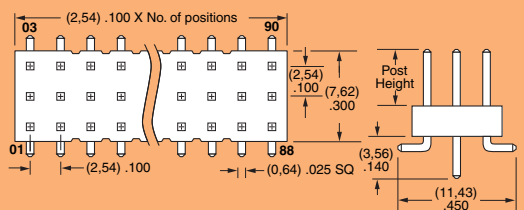
02 thru 30 positions only



-TM

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

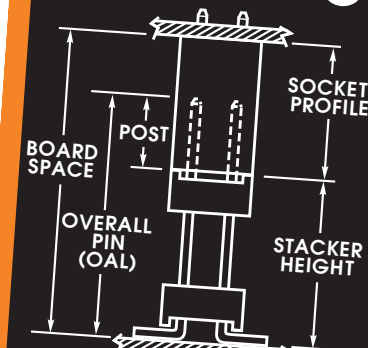
02 thru 30 positions only



APPLICATION SPECIFIC OPTIONS

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

Board Stacking



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