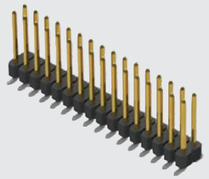
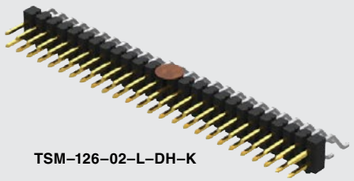
samtec

10 YEAR MFG WITH 30 µ" GOLD
EXTENDED LIFE PRODUCT
HIGH MATING CYCLES

TSM–116–02–S–DV–LC

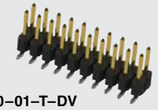


TSM–121–01–T–SV



TSM–126–02–L–DH–K

TSM–115–01–T–SH–A



TSM–110–01–T–DV

(2.54 mm) .100"

TSM SERIES

SMT .025" SQ POST HEADER

Board Mates:
SSW, SSQ, SSM, BSW, ESW, ESQ, BCS, SLW, CES, HLE

Cable Mates:
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
50 µ" (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

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

PROCESSING

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)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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

FILE NO. E111594

ALSO AVAILABLE
(MOQ Required)

- Edge Mount and Locking Clips for –SV
- Solder Locks for –DH and Shrouds for –DV
- Other platings

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

TSM – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – ROW OPTION – OTHER OPTIONS

NO. PINS PER ROW: 02 thru 36

LEAD STYLE

- **–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)

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

OTHER OPTIONS

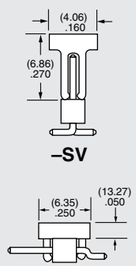
–A = Alignment Pin metal or plastic at Samtec discretion (Not available with –TM or –MT) (02 positions min.) (Not available with –LC)

–LC = Locking Clip (Not available with –TM) (3 positions min.) (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)

–"XXX" = Polarized Position

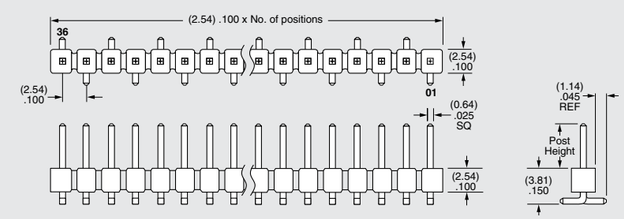
–P = Plastic Pick & Place Pad
(–DV: 4 positions minimum without –TR; 2 & 3 positions available with –TR)
(–SH: 4 positions minimum without –TR; 2 & 3 positions available with –TR)
(–DH:5 positions minimum without –TR)
(–SV: 4 positions minimum without –TR; 2 & 3 positions available with –TR)



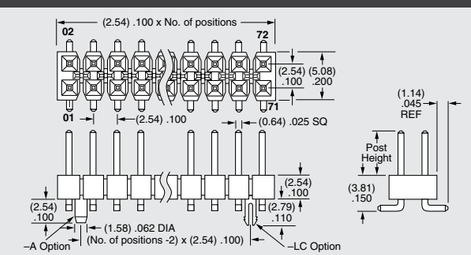
–TR = Tape & Reel Packaging
–SV: 02-22 positions, –DV:02-28 positions,
–SH: 02-30 positions, –DH: 02-29 positions
(Not available with –MT or –TM)

–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)

–SV
= Single Row Vertical Pin

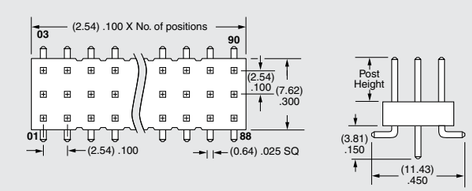


–DV
= Double Row Vertical Pin



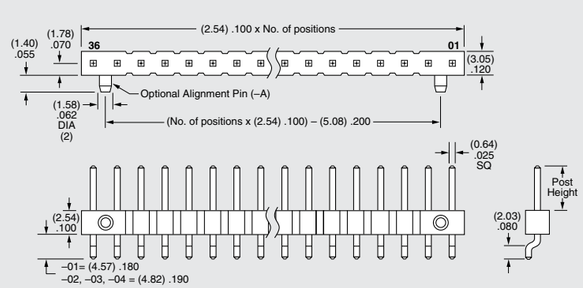
–TM
= Triple Row Vertical Mixed Technology (Style –01 only)

02 thru 30 positions only

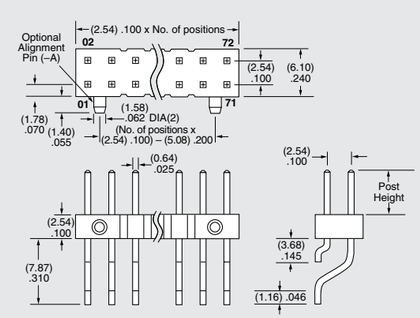


APPLICATIONS
SSM TSM
HORIZONTAL

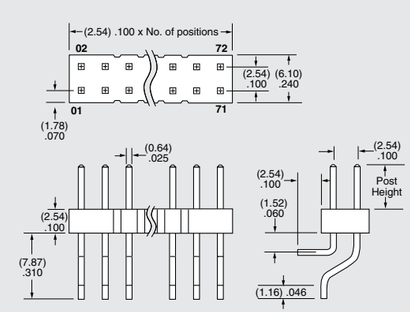
–SH
= Single Row Horizontal Pin



–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
All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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TSM-130-03-S-DV-A