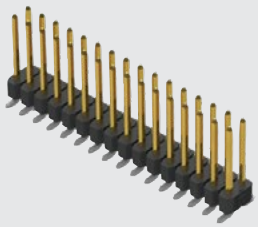
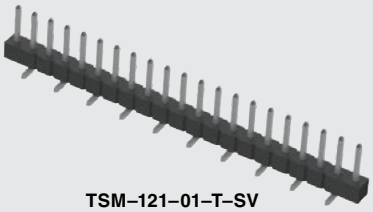
samtec

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

TSM–116–02–S–DV–LC





TSM–121–01–T–SV

(2.54 mm) .100"

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

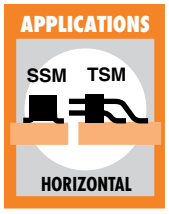
ALSO AVAILABLE (MOQ Required)

- 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

APPLICATIONS



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

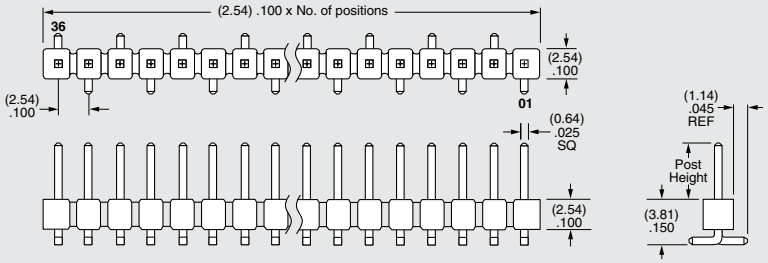
–T = Matte Tin

HIGH-SPEED CHANNEL PERFORMANCE

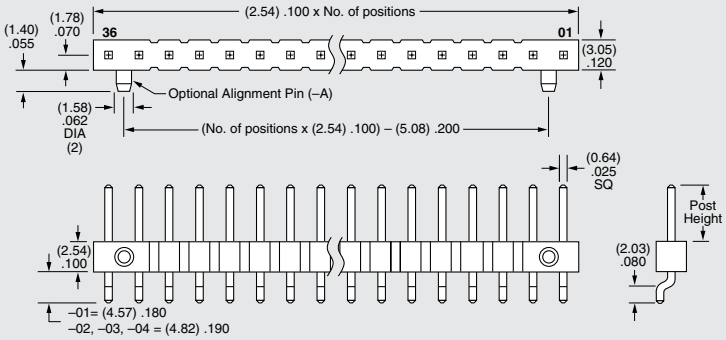
Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

8 Gbps

–SV
= Single Row Vertical Pin



–SH
= Single Row Horizontal Pin



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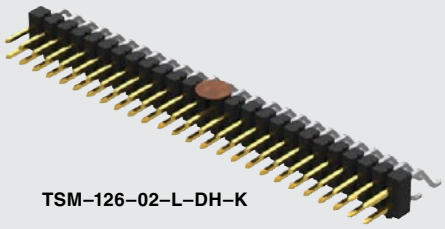
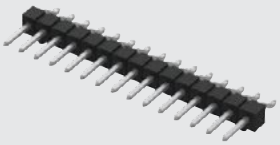
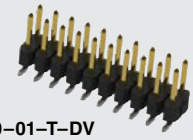


TSM–126–02–L–DH–K

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 –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

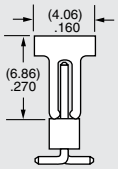
–P
= Plastic Pick & Place Pad

(–DV: 4 positions minimum without –TR; 2 & 3 positions available with –TR)

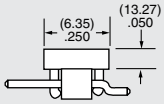
(–SH: 4 positions minimum without –TR; 2 & 3 positions available with –TR)

(–DH: 5 positions minimum without –TR)

(–SV: 4 positions minimum without –TR; 2 & 3 positions available with –TR)



–SV



–SH & –DH

–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)

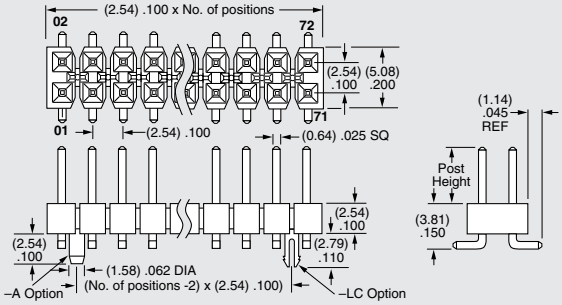
–FR
= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

–SV: 02-22 positions, –DV:02-28 positions,

–SH: 02-30 positions, –DH: 02-29 positions

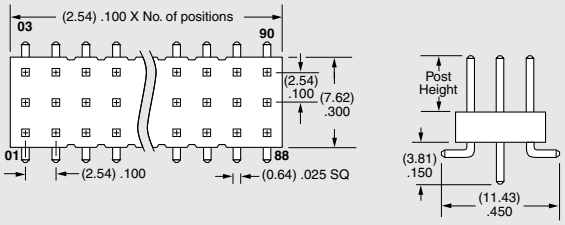
(Not available with –MT or –TM)

–DV
= Double Row Vertical Pin

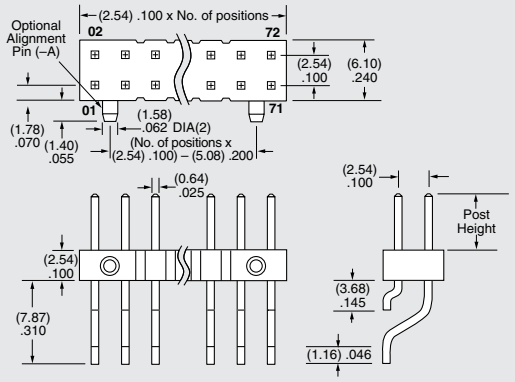


–TM
= Triple Row Vertical Mixed Technology (Style –01 only)

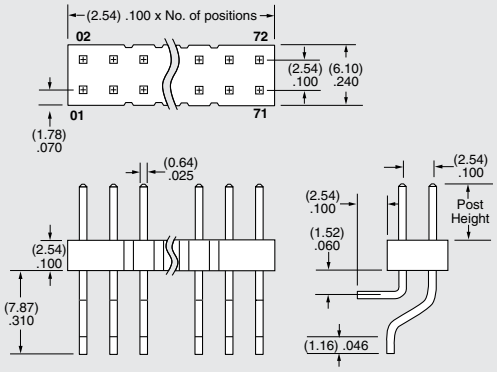
02 thru 30 positions only



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



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



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