



(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



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-116-02-S-DV-LC



TSM-121-01-T-SV



TSM	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION
02 thru 36			-01 = .230" (5.84 mm) Post Height (Mates with SSW, BCS, SSM, IDSS, IDSD)	-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	
			-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)		

APPLICATIONS



HORIZONTAL

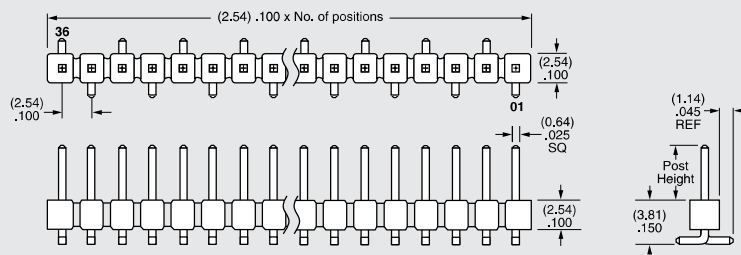
HIGH-SPEED CHANNEL PERFORMANCE

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

8 Gbps

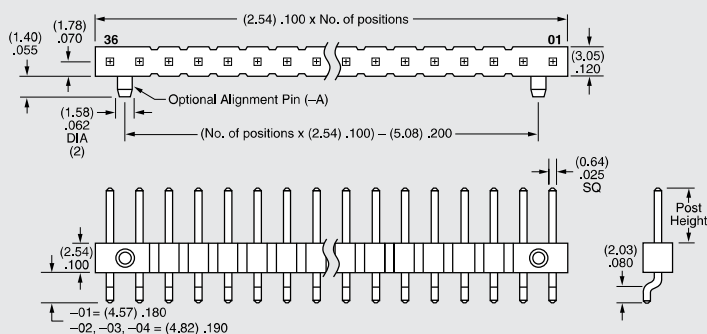
-SV

= Single Row Vertical Pin



-SH

= Single Row Horizontal Pin

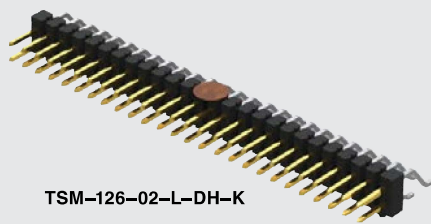


Due to technical progress, all designs, specifications and components are subject to change without notice.

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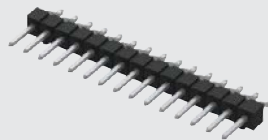
All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

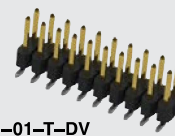


TSM-126-02-L-DH-K

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.)
(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

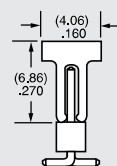
-P

= Plastic Pick & Place Pad
(-DV: 4 positions minimum
without -TR; 2 & 3 positions
available with -TR)

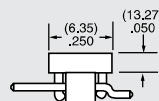
(-SH: 4 positions
minimum without -TR;
2 & 3 positions
available with -TR)

(-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)

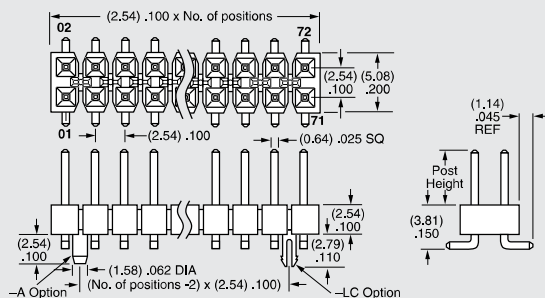
-FR

= 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

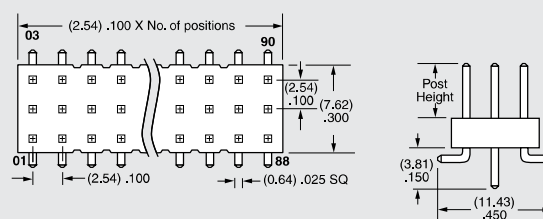
= Double Row Vertical Pin



-TM

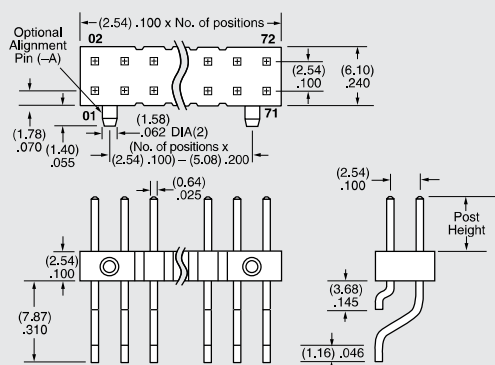
= Triple Row Vertical Mixed Technology (Style -01 only)

02 thru 30 positions only



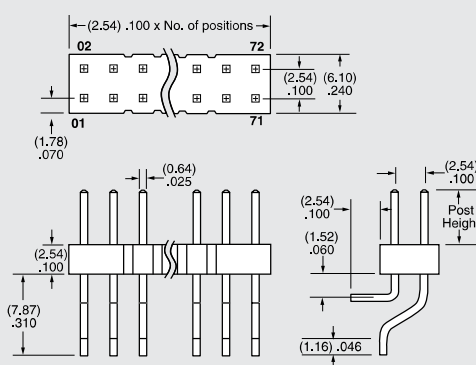
-DH

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



-MT

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



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