



(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

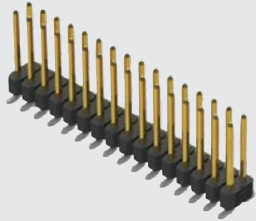


ALSO AVAILABLE (MOQ Required)

- 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.

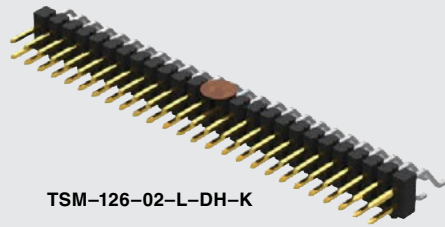
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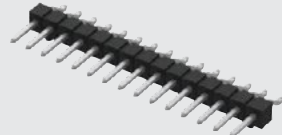
TSM-121-01-T-SV



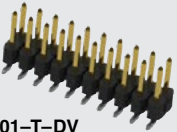
TSM-126-02-L-DH-K



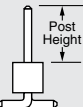
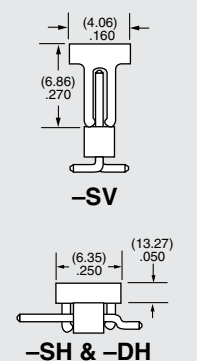
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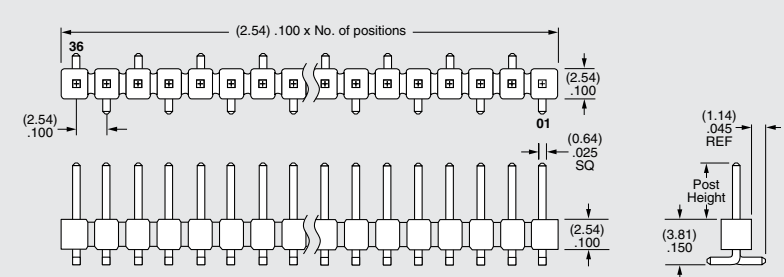
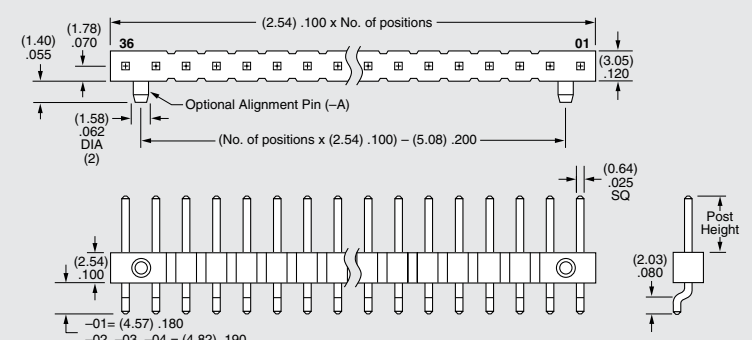


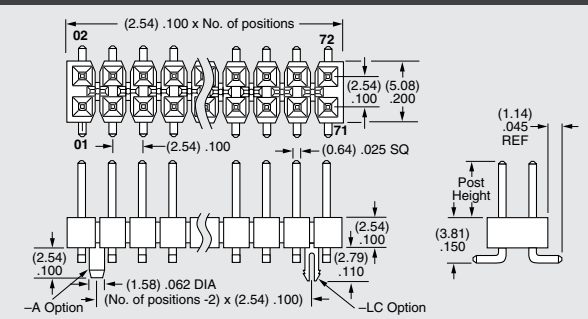
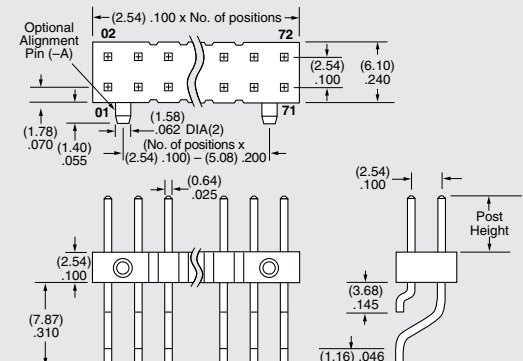
TSM-110-01-T-DV

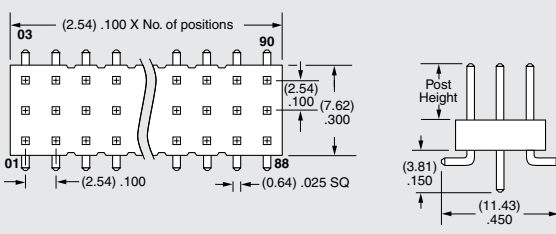
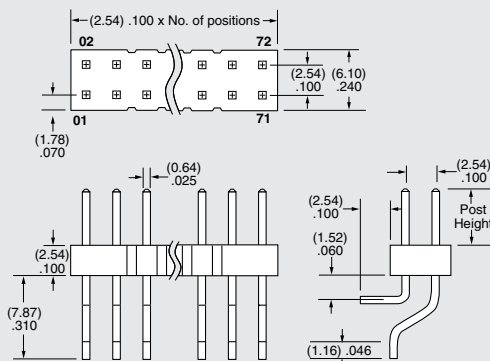


TSM SERIES

TSM	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OTHER OPTIONS																			
		02 thru 36																							
	-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)																	
			-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		-A	= Alignment Pin metal or plastic at Samtec discretion (Not available with -TM or -MT) (02 positions min.) (Not available with -LC)	-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)	-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	-SH
= Single Row Vertical Pin	= Single Row Horizontal Pin
	

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

-TM	-MT
= Triple Row Vertical Mixed Technology (Style -01 only) 02 thru 30 positions only	= Mixed Technology Pin (Style -01, -02 or -03 only)
	

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.

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[TSM-103-02-L-SH-P-TR](#)