



(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

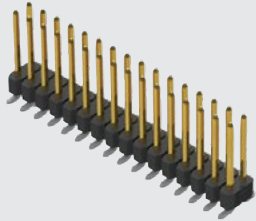


ALSO AVAILABLE (MOQ Required)

- 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.

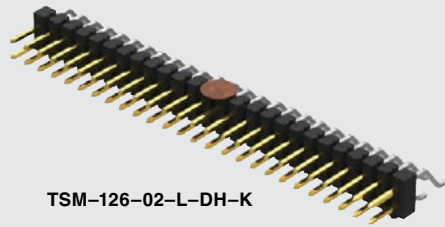
TSM-116-02-S-DV-LC



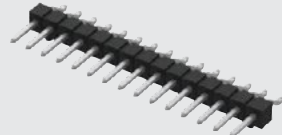
TSM-121-01-T-SV



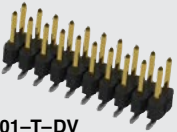
TSM-126-02-L-DH-K



TSM-115-01-T-SH-A



TSM-110-01-T-DV



TSM SERIES

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	
			-02 = .320" (8.13 mm) Post Height (Mates with SSM -DH)	-L = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail	
			-03 = .420" (10.67 mm) Post Height (For Bottom Mount & Pass Through)	-S = 30 μ" (0.76 μm) Gold on post, Matte Tin on tail	
			-04 = .120" (3.05 mm) Post Height (Mates with SLW, CES, HLE)	-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)	-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)
-LC = Locking Clip (Not available with -TM) (3 positions min.) (Not available with -A) (Manual placement required)	-“XXX” = Polarized Position	 -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))

-SV = Single Row Vertical Pin
-SH = Single Row Horizontal Pin

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

-TM = Triple Row Vertical Mixed Technology (Style -01 only)
02 thru 30 positions 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.

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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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