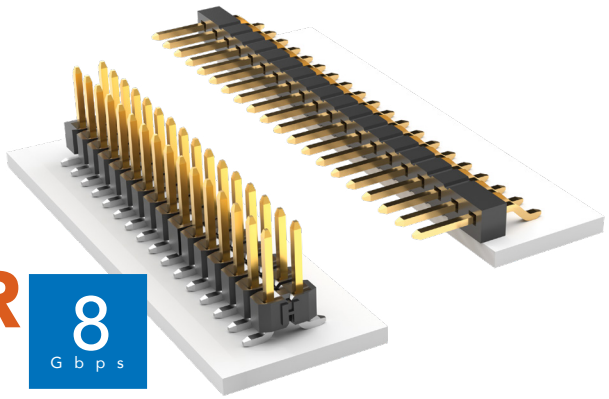
SURFACE MOUNT .025" SQ POST HEADER



8 Gbps

(2.54 mm) .100" PITCH • TSM SERIES

TSM
Board Mates:
SSW, SSQ, SSM, BSW, ESW, ESQ, BCS, SLW, CES, HLE
Cable Mates:
IDSS, IDSD

TSM	–	1	NO. PINS PER ROW	–	LEAD STYLE	–
			02 thru 36		Specify LEAD STYLE from chart	

SPECIFICATIONS

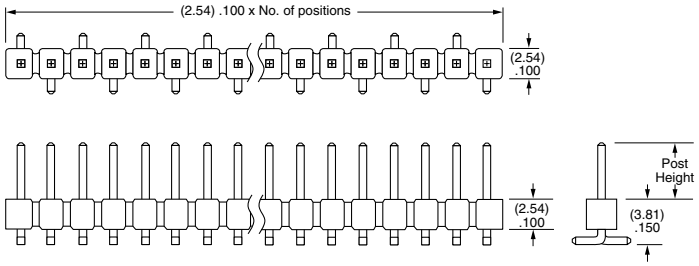
Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +105 °C with Tin;
-55 °C to +125 °C with Gold
Voltage Rating:
495 VAC/700 VDC -SV/-DV mated with the BCS
405 VAC/573 VDC -SV/-DV mated with the SSM
400 VAC/566 VDC mated with HLE

PROCESSING

Lead–Free Solderable:
Yes
-DH/-SH/-SV Lead Coplanarity:
(0.15 mm) .006" max (02-36)*
-DV 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)

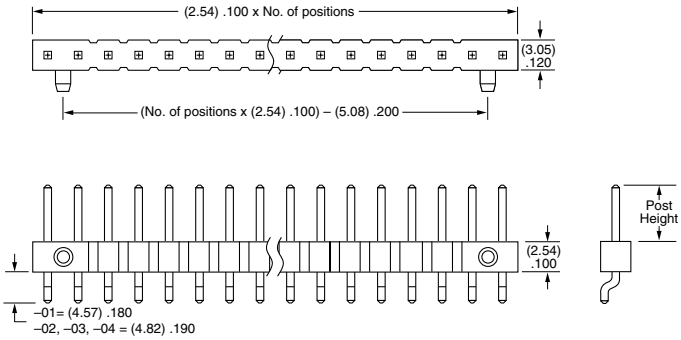
MATES	CURRENT RATING (PER PIN)
TSM/SSW	4.7 A
TSM/SSM	5.6 A
TSM/HLE	4.1 A
TSM/BCS	5.0 A

2 POSITIONS POWERED

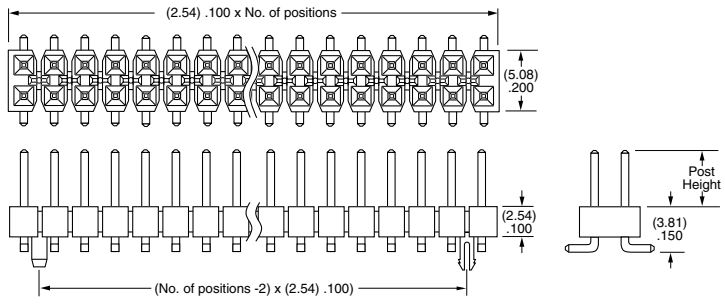


–SV Row Option

LEAD STYLE	POST HEIGHT	MATES WITH
–01	(5.84) .230	SSW, BCS, SSM, IDSS, IDSD
–02	(8.13) .320	SSM-DH
–03	(10.67) .420	Bottom Mount & Pass-Through
–04	(3.05) .120	SLW, CES, HLE



–SH Row Option



–DV Row Option

Notes:
Severe Environment Testing qualified; aligns with MIL-DTL-55302. Visit samtec.com/set

Some sizes, styles and options are non-standard, non-returnable.

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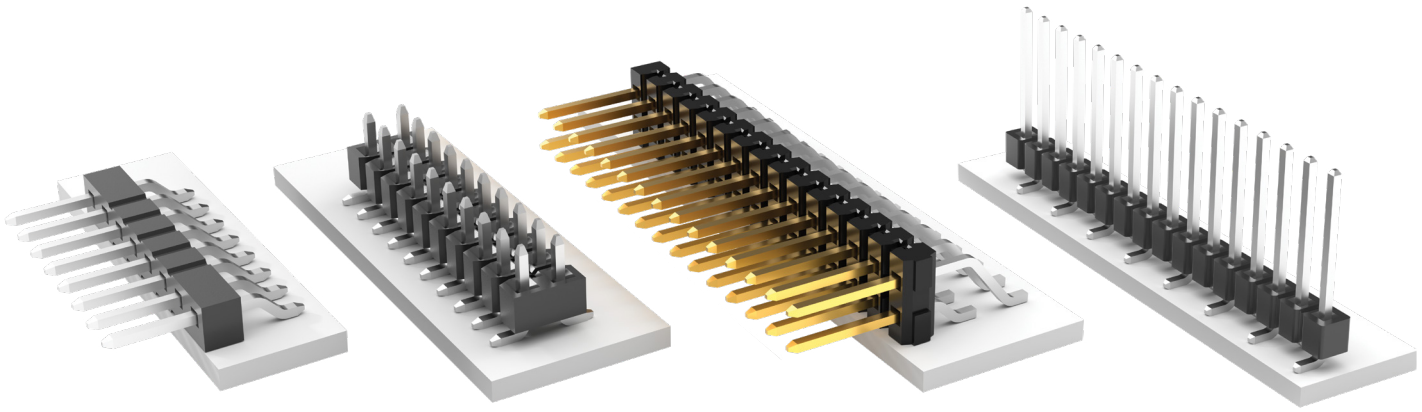


PLATING OPTION

–F
= Gold flash on post, Matte Tin on tail

–L
= 10 µ" (0.25 µm) Gold on post, Matte Tin on tail

–T
= Matte Tin

ROW OPTION

–SV
= Single Row Vertical Pin

–DV
= Double Row Vertical Pin

–SH
= Single Row Horizontal Pin

–DH
= Double Row Horizontal Pin

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

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

OTHER OPTIONS

–"XXX"
= Polarized Position

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

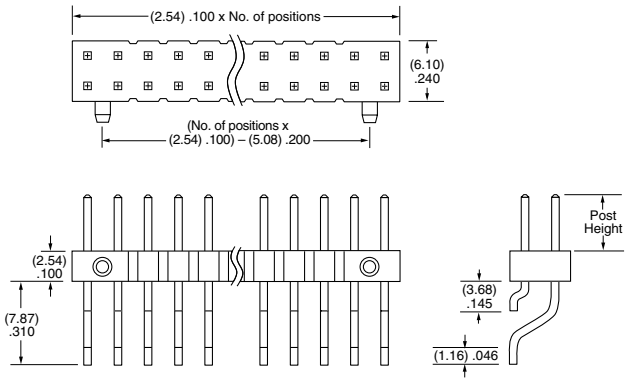
–LC
= Locking Clip
(Not available with –TM)
(3 positions minimum)
(Not available with –A)
(Manual placement required)

–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)

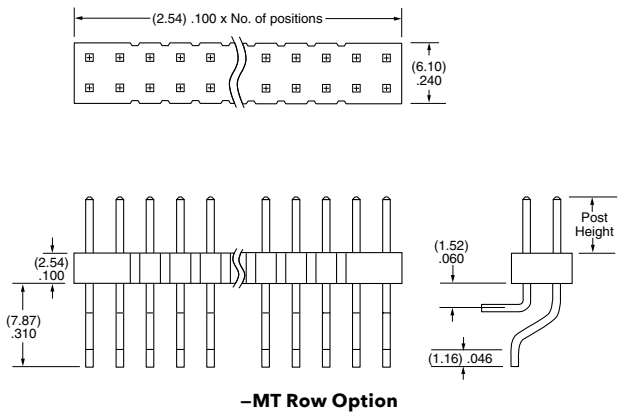
–P
= Plastic Pick & Place Pad
(–DV: 4 positions minimum without –TR;
2 & 3 positions available with –TR)
(–SH: 4 positions minimum without –TR;
2 & 3 positions available with –TR)
(–DH: 5 positions minimum without –TR)
(–SV: 4 positions minimum without –TR;
2 & 3 positions available with –TR)

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

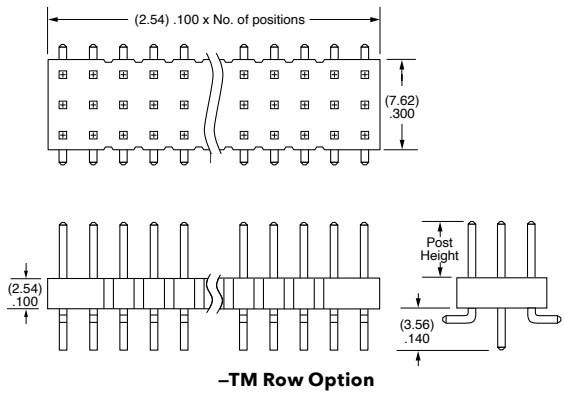
–FR
= Full Reel Tape & Reel
(must order maximum quantity per reel;
contact Samtec for quantity breaks)
–SV: 02-22 positions, –DV: 02-28 positions,
–SH: 02-30 positions, –DH: 02-29 positions
(Not available with –MT or –TM)



–DH Row Option



–MT Row Option



–TM Row Option

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