SURFACE MOUNT .025" SQ POST HEADER

(2.54 mm) .100" PITCH • TSM SERIES

8 Gbps

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

TSM

Board Mates:
SSW, SSQ, SSM, BSW, ESW, ESQ, BCS, SLW, CES, HLE

Cable Mates:
IDSS, IDSD

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:
475 VAC -SV/-DV mated with
BCS or SSM

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
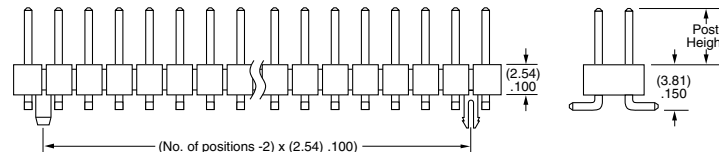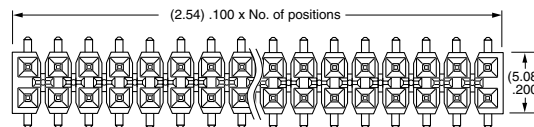may be available; contact
ipg@samtec.com)

MATES	CURRENT RATING (PER PIN)
TSM/SSW	4.7 A
TSM/SSM	5.4 A
TSM/HLE	4.1 A

2 POSITIONS POWERED

–SV Row Option

(2.54) .100 x No. of positions

(2.54) .100

Post Height

(3.81) .150

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

(2.54) .100 x No. of positions
(3.05) .120
(No. of positions x (2.54) .100) – (5.08) .200
Post Height
(2.54) .100
–01= (4.57) .180
–02, –03, –04 = (4.82) .190

–DV Row Option

(2.54) .100 x No. of positions
(5.08) .200
(No. of positions -2) x (2.54) .100
(2.54) .100
Post Height
(3.81) .150

Note:
Some lengths, styles and
options are non-standard,
non-returnable.

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

ROW OPTION

–SV
= Single Row Vertical Pin

–DV
= Double Row Vertical Pin

–SH
= Single Row Horizontal 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)

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)

(2.54) .100 x No. of positions

(6.10) .240

(No. of positions x
(2.54) .100) – (5.08) .200)

(2.54) .100

(7.87) .310

(3.68) .145

(1.16) .046

Post Height

–DH Row Option

(2.54) .100 x No. of positions

(6.10) .240

(2.54) .100

(7.87) .310

(1.52) .060

(1.16) .046

Post Height

–MT Row Option

(2.54) .100 x No. of positions

(7.62) .300

(2.54) .100

Post Height

–TM Row Option

Mouser Electronics

Authorized Distributor

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  [TSM-105-01-S-DH-002](#)