SURFACE MOUNT .025" SQ POST HEADER

(2.54 mm) .100" PITCH • TSM SERIES

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)

<table>
<thead>
<tr>
<th>Mates</th>
<th>TSM/SSW</th>
<th>TSM/SSM</th>
<th>TSM/HLE</th>
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<tbody>
<tr>
<td>TSM/SSW</td>
<td>4.7 A</td>
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<tr>
<td>TSM/SSM</td>
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<td>5.4 A</td>
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<tr>
<td>TSM/HLE</td>
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<td>4.1 A</td>
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2 POSITIONS POWERED

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

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Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec’s specifications which are subject to change without notice.
### 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)
- **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)