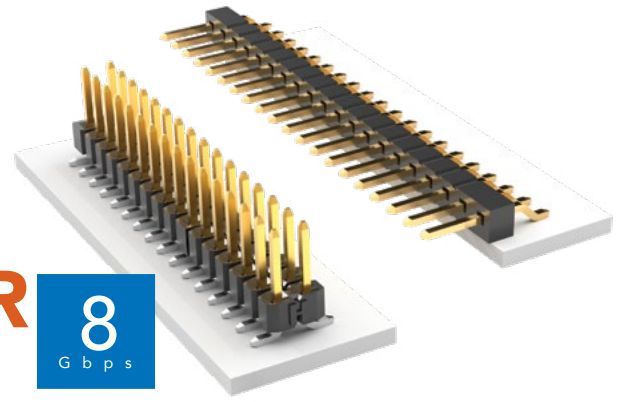


SURFACE MOUNT .025" SQ POST HEADER

8
G b p s



(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 μ m) Ni

Operating Temp Range:

-55 °C to +105 °C with Tin;

-55 °C to +125 °C with Gold

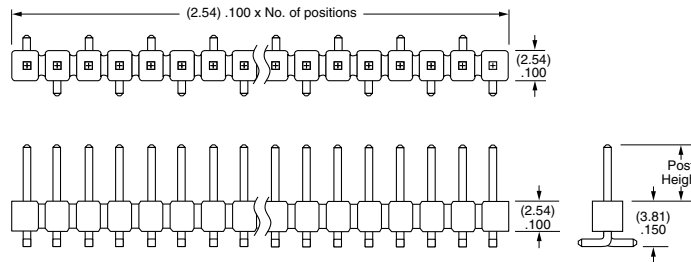
Voltage Rating:

495 VAC -SV/-DV

mated with the BCS

475 VAC -SV/-DV

mated with the SSM



-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

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)



-SH Row Option

MATES	CURRENT RATING (PER PIN)
TSM/SSW	4.7 A
TSM/SSM	5.4 A
TSM/HLE	4.1 A
TSM/BCS	5.0 A

2 POSITIONS POWERED



-DV Row Option

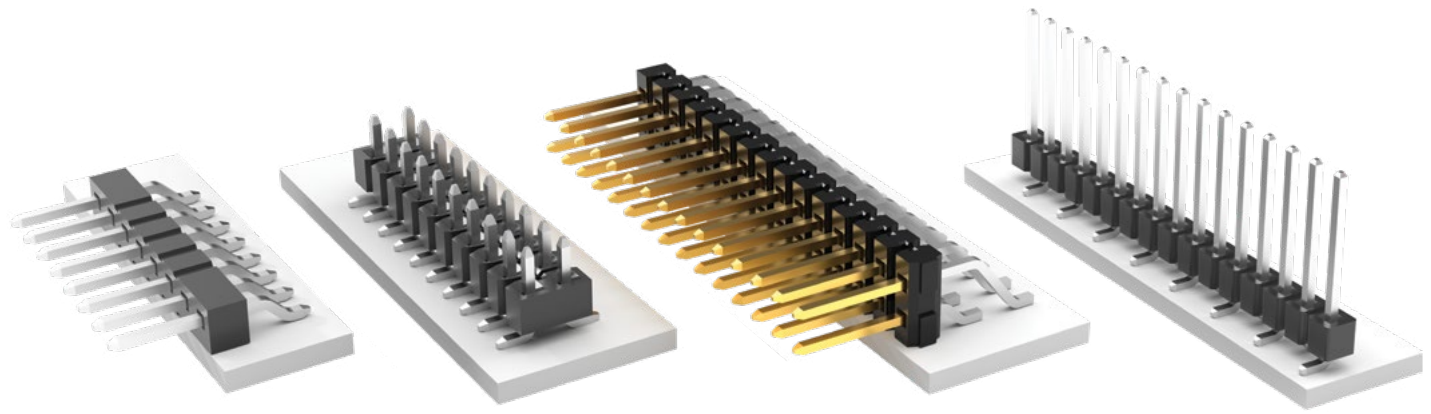
Note:

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

F-221 (Rev 31MAY22)

samtec.com?TSM

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 μ m) Gold on post,
Matte Tin on tail

-S
= 30 μ " (0.76 μ m) 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)

