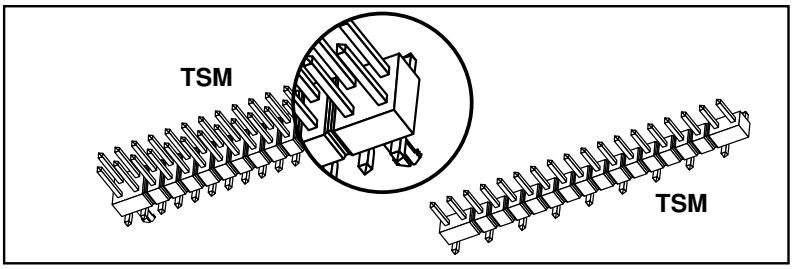
FACTSHEET F-199-1

samtec

POPULAR CONNECTORS Ship Next DAY



Surface SMT Mount

.025" SQ TERMINAL STRIPS TSM SERIES

Mates with:
SSW, SSQ, SSM, BSW, ESW, ESQ, CLH, BCS, SLW, CES, IDSS, IDSD

Features:

- Single or double row
- Vertical or horizontal pin orientation
- Standard or extra length post height
- Alignment pins
- Locking clips
- Pick & Place Pads
- Polarization option

Specifications:

TSM
Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Operating Temp Range:
-65°C to +105°C with Tin;
-65°C to +125°C with Gold
Max Processing Temp:
230°C for 60 seconds
Plating:
Au or Sn over
50µ" (1,27µm) Ni
SMT Lead Coplanarity:
(0,15mm) .006" max

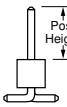
CURRENT RATING		
AMBIENT TEMP	TSM mated with	
	CLH	SSW
20°C	3.2A	7A
40°C	2.8A	6A
60°C	2.3A	4A
80°C	1.6A	3A

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

TSM – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – ROW OPTION –

NO. PINS PER ROW: 02 thru 36

LEAD STYLE:



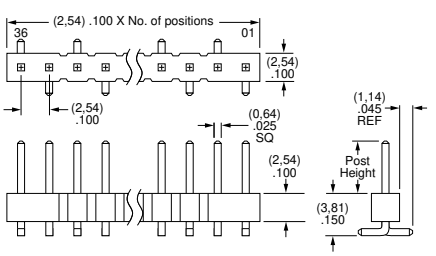
- **–01** = .230" (5,84mm) Post Height (Mates with SSW, BCS, SSM, IDSS, IDSD)
- **–02** = .320" (8,13mm) Post Height (Mates with SSM -DH)
- **–03** = .420" (10,67mm) Post Height (For Bottom Mount & Pass Through)
- **–04** = .120" (3,05mm) Post Height (Mates with SLW, CES, CLH)

PLATING OPTION:

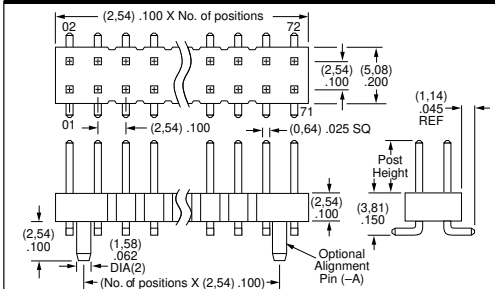
- **–S** = 30µ" (0,76µm) Gold on post, 200µ" (5,08µm) Tin on tail
- **–L** = 10µ" (0,25µm) Gold on post, 200µ" (5,08µm) Tin on tail
- **–T** = 200µ" (5,08µm) Tin

Edge Mount available. Call Samtec.

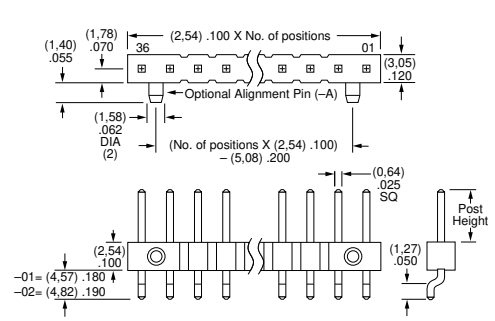
–SV
= Single Row Vertical Pin



–DV
= Double Row Vertical Pin

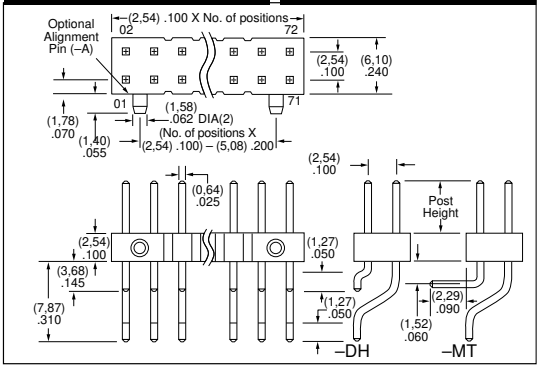


–SH
= Single Row Horizontal Pin



–DH
= Double Row Horizontal Pin (Style –01 or –02 only)

–MT
= Mixed Technology Pin (Style –01 only)



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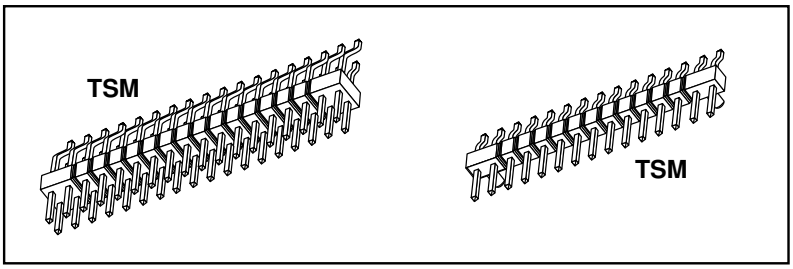


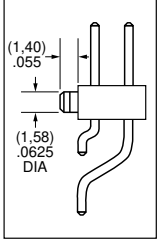
COST SAVING SOLUTIONS FLEX MOLD

OTHER OPTIONS

–LC
= Locking Clip (Not available with –TV or –TM)

–A
= Alignment Pin Metal or plastic at Samtec discretion (N/A with –TV or –TM. 3 positions minimum)

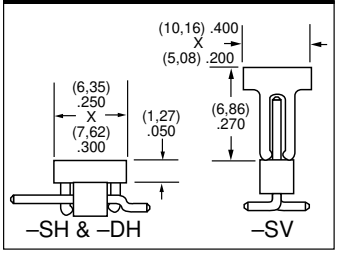
–SL
= Solder Lock (–DH only)



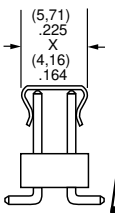
–K
(Best Cost Option) = (6,50mm) .256" DIA Polyamide Film Pick & Place Pad (–SH & –DH only)

–"XXX"
= Polarized Position

–P
= Plastic Pick & Place Pad (4 positions minimum)



–M
= Metal Pick & Place Pad (4 positions minimum) Styles –01 & –04 only

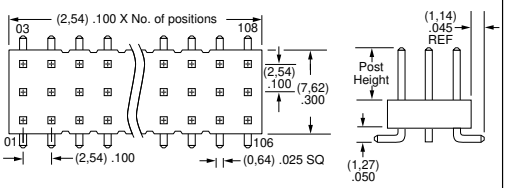


–TR
= Tape & Reel Packaging (04-22 positions for –SV) (04-28 positions for –DV) Not available with –MT

TAPE & REEL AVAILABILITY
No tooling charges.
125 piece minimum order.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.
Call Samtec for specifications and ordering information.

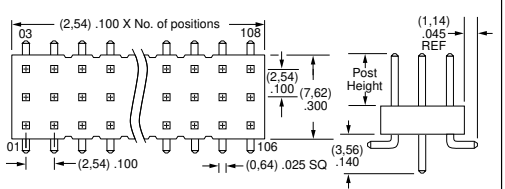
–TV
= Triple Row Vertical Surface Mount (Style –01 only)

02 thru 30 positions only



–TM
= Triple Row Vertical Mixed Technology (Style –01 only)

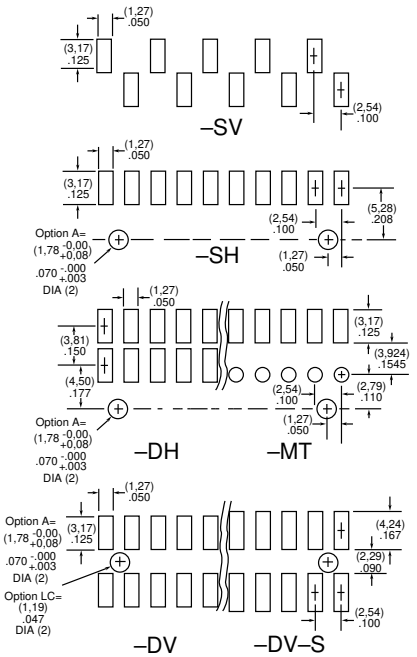
02 thru 30 positions only



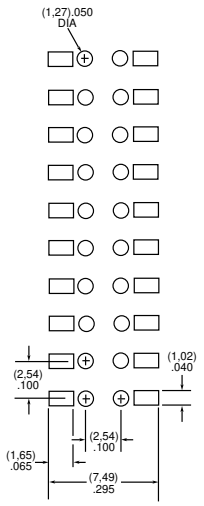
APPLICATION SPECIFIC OPTIONS

Edge Mount, Locking Clips for –SV, molded Pick-and-Place Pads and Shrouds for –DH, and plastic Pick-and-Place Pads for –DV available. Call Samtec.

SUGGESTED PCB LAYOUTS
(Your specific layout may vary)



Suggested Layout for SSM Series (Pass-Through Application)



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