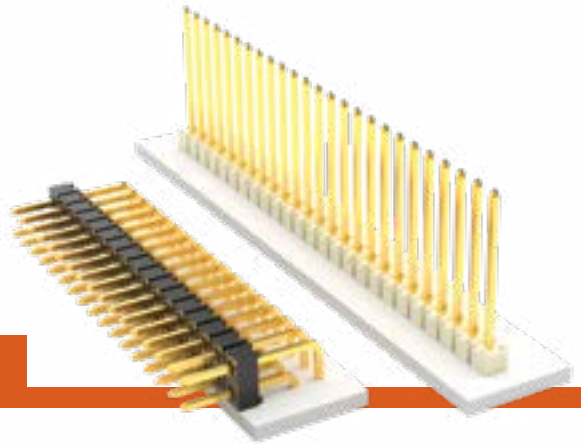
THE DATASHEET OF

MTSW-103-08-L-T-310

FLEX STACK

MODIFIED .025" SQ POST HEADERS

(2.54 mm) .100" PITCH • MTSW/HMTSW SERIES



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

SERIES	PIN CENTERS	NO. PINS PER ROW	LEAD STYLE
MTSW = Modified Strip **HMTSW** = Hi-Temp Modified Strip	**–1** = (2.54 mm) .100" Pitch (All positions filled) **–2** = (5.08 mm) .200" Pitch (Every other position filled)	**01 thru 50** = .100" (2.54 mm) Center Version **02 thru 25** = .200" (5.08 mm) Center Version	**Specify LEAD STYLE from chart**

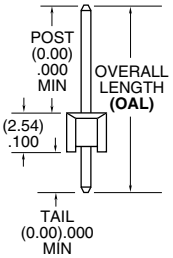
SPECIFICATIONS

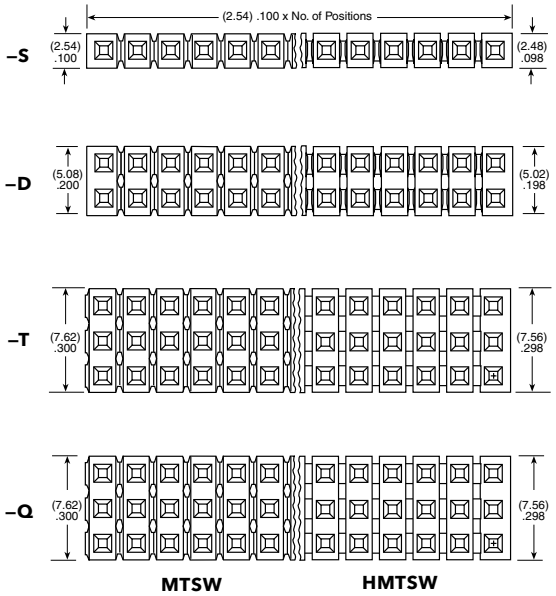
Insulator Material:
MTSW: Black Glass Filled Polyester
HMTSW: Natural Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
Au or Sn over 50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C with Gold
-55 °C to +105 °C with Tin

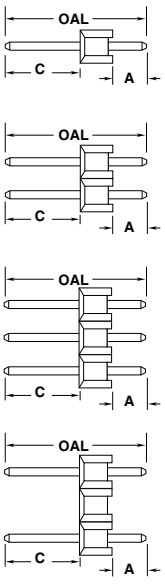
PROCESSING

Lead–Free Solderable:
MTSW: No, Lead Wave Only
HMTSW: Yes

LEAD STYLE	OAL
– 05	(8.51) .335
– 06	(7.62) .300
– 07	(10.92) .430
– 08	(13.46) .530
– 09	(18.54) .730
– 10	(21.08) .830
– 11	(23.62) .930
– 12	(26.16) 1.030
– 13	(31.24) 1.230
– 21	(36.32) 1.430
– 22	(16.00) .630
– 23	(11.30) .445
– 24	(12.19) .480
– 27	(33.78) 1.330
– 28	(28.70) 1.130





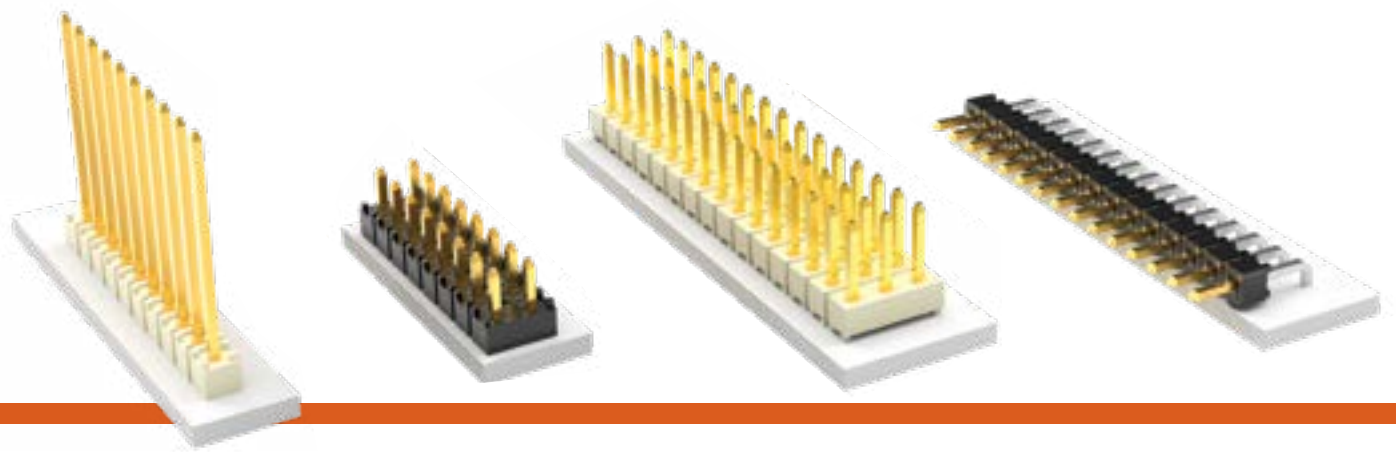


Straight Pin Versions: A=OAL-C- (2.54) .100"

FOR "A" = (2.29) .090		
LEAD STYLE	OAL	C MAXIMUM STRAIGHT
– 05	(8.51) .335	(5.97) .235
– 06	(7.62) .300	(2.79) .110
– 07	(10.92) .430	(6.10) .240
– 08	(13.46) .530	(8.64) .340
– 09	(18.54) .730	(13.72) .540
– 10	(21.08) .830	(16.26) .640
– 11	(23.62) .930	(18.80) .740
– 12	(26.16) 1.030	(21.34) .840
– 13	(31.24) 1.230	(26.42) 1.040
– 21	(36.32) 1.430	(31.50) 1.240
– 22	(16.00) .630	(11.18) .440
– 23	(11.30) .445	(6.48) .255
– 24	(12.19) .480	(7.37) .290
– 27	(23.78) 1.330	(28.96) 1.140
– 28	(28.70) 1.130	(23.88) .940

Note:
These Series are non-standard, non-returnable.

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

–G
= 10 µ" (0.25 µm) Gold on post, Gold flash on balance

–T
= Matte Tin

ROW OPTION

–S
= Single Row

–D
= Double Row

–T
= Triple Row

–Q
= Double Row .200" (5.08 mm) row space

POST HEIGHT

"XXXX"
= "C" Dimension (Specify post height in INCHES .005" (0.13 mm) increments)

OTHER OPTION

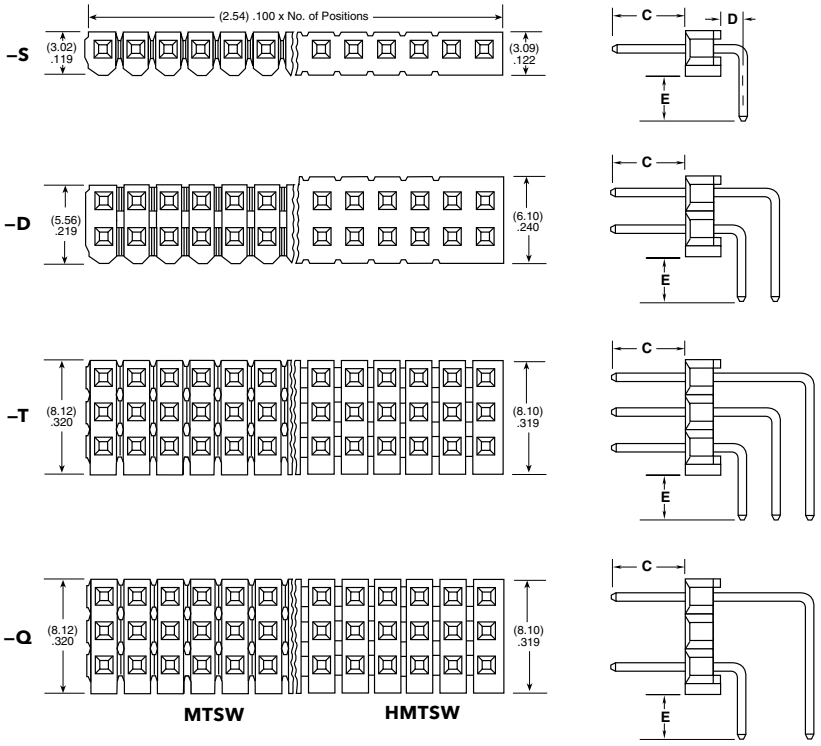
–RA or –RE
= Right-angle
(HMTSW –S &–D = 36 positions maximum)

–LL
= Locking Lead (not available with –RE, not available in single row 1 or 2 positions) (Available on tails from (2.29 mm) .090" to (10.16 mm) .400" only)

–LA
= –RA option with –LL Option (Maximum "C" = (13.46 mm) .530")

POLARIZED OPTION

"XXX"
= Polarized
(Specify 'XXX' as position number)



–RX OPTION	D
–RA	(1.52) .060
– RE	(4.06) .160

FOR "E" = (2.29) .090 MIN FOR –RA & –RE)			
LEAD STYLE	OAL	C MAXIMUM with/–RA	C MAXIMUM with/–RE
– 05	(8.51) .335	Not Available	Not Available
– 06	(7.62) .300	Not Available	Not Available
– 07	(10.92) .430	(3.30) .130	Not Available
– 08	(13.46) .530	(5.84 .230	(3.30) .130
– 09	(18.54) .730	(10.92 .430	(8.38) .330
– 10	(21.08) .830	(13.46) .530	(10.92) .430
– 11	(23.62) .930	(16.00 .630	(13.46) .530
– 12	(26.16) 1.030	(18.54) .730	(16.00) .630
*– 13	(31.24) 1.230	(23.62) .930	(21.08) .830
*– 21	(36.32) 1.430	(28.70) 1.130	(26.16) 1.030
– 22	(16.00) .630	(8.38) .330	(5.84) .230
*– 23	(11.30) .445	(3.68) .145	Not Available
*– 24	(12.19) .480	(4.57) .180	
*– 27	(23.78) 1.330	(26.16) 1.030	(23.62) .930
*– 28	(28.70) 1.130	(21.08) .830	(18.54) .730

* Styles –21, –23, –24, –27 not available with –D Right-angle
Styles –13, –21, –23, –24, –27, –28 not available with –T or –Q Right-angle

Right-Angle Versions (- RA Options): E=OAL-C- (5.33) .210"

Right-Angle Versions (-RE Options) Single Row Only: E=OAL-C- (7.87) .310"

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