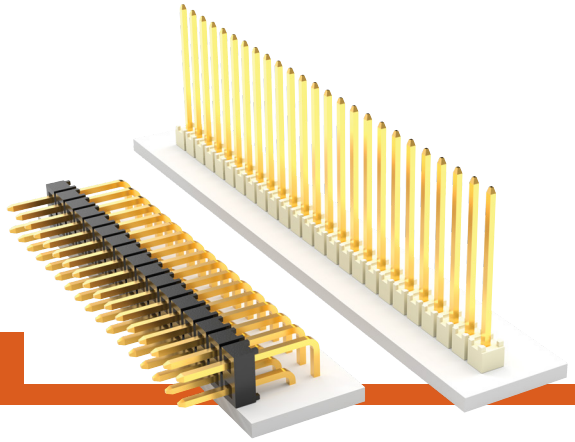
FLEX STACK

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**

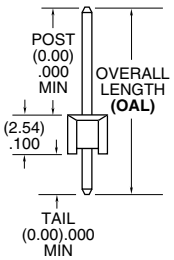
SPECIFICATIONS

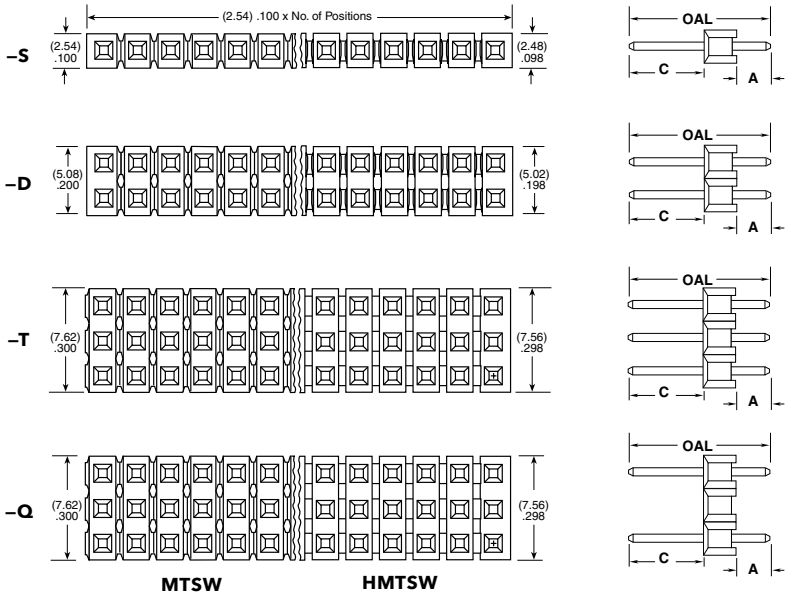
Insulator Material:
MTSW: Black Glass Filled Polyester
HMTSW: Natural Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
Au or Sn over 50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C with Gold
-55 °C to +105 °C with Tin

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





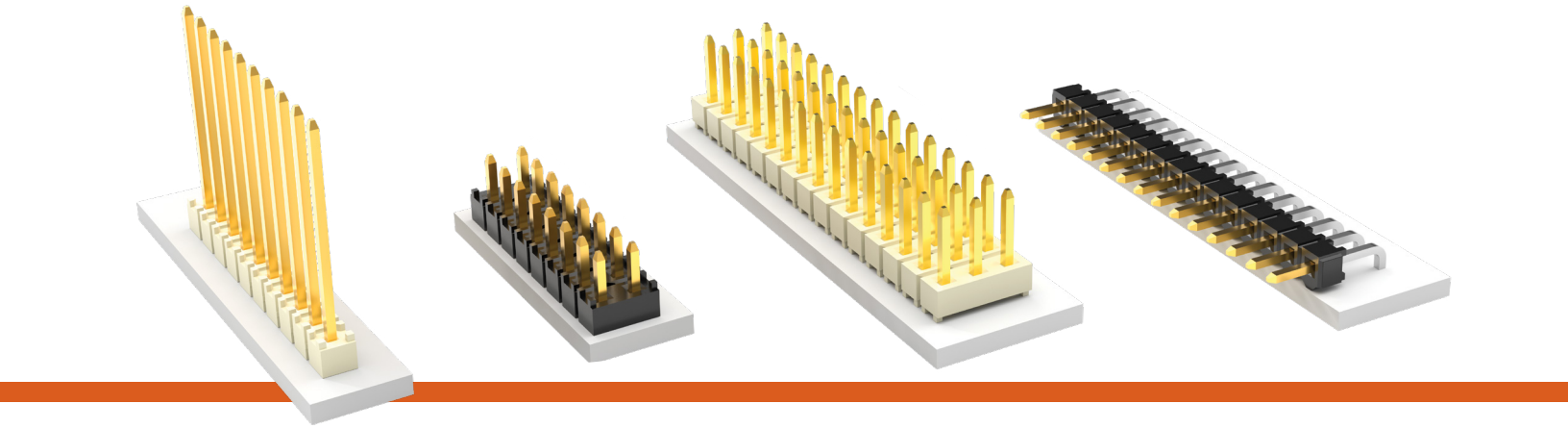
Straight Pin Versions: A=OAL-C- (2.54) .100"

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	(33.78) 1.330	(28.96) 1.140
– 28	(28.70) 1.130	(23.88) .940

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

samtec.com?MTSW or samtec.com?HMTSW

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

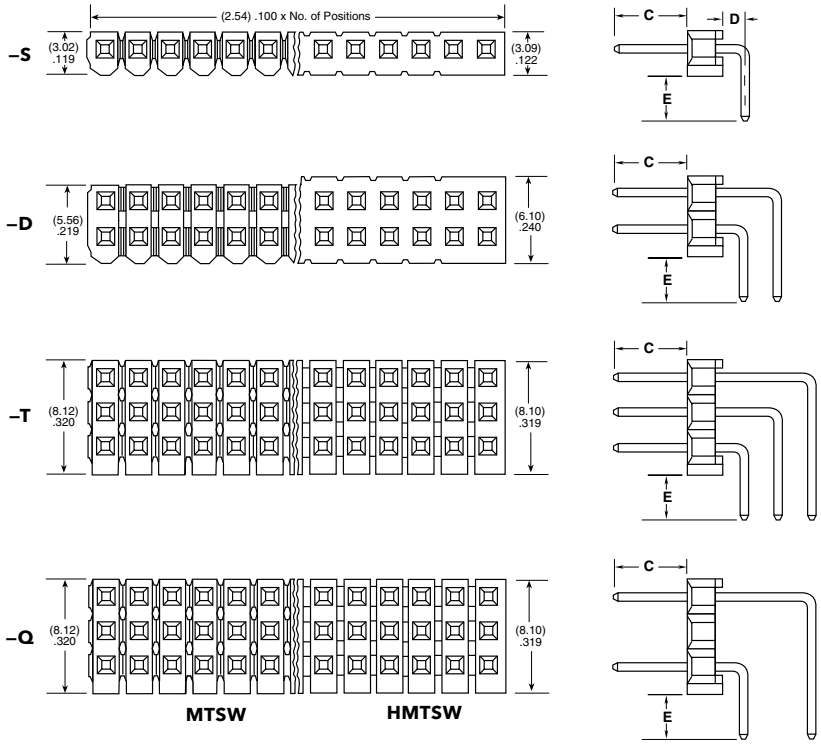
–RA or –RE
= Right-angle
(HMTSW –S &–D =
36 positions maximum)

–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	(33.78) 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"

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.