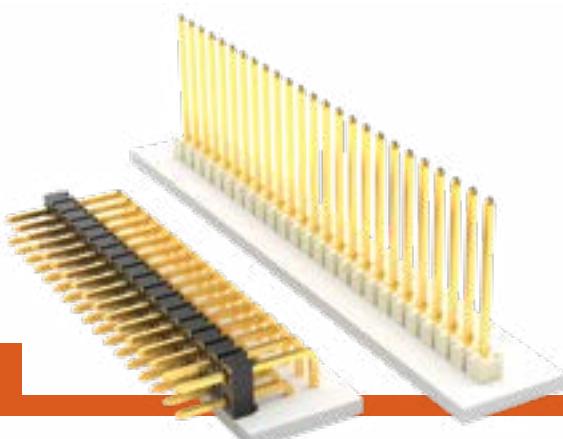


# FLEX STACK

## 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

### SPECIFICATIONS

#### Insulator Material:

MTSW: Black Glass  
Filled Polyester  
HMTSW: Natural Liquid  
Crystal Polymer

#### Terminal Material:

Phosphor Bronze

#### Plating:

Au or Sn over  
50  $\mu$ " (1.27  $\mu$ m) Ni

#### Operating Temp Range:

-55 °C to +125 °C with Gold

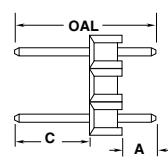
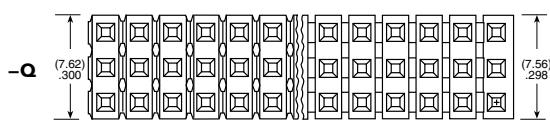
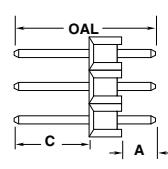
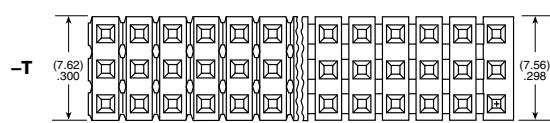
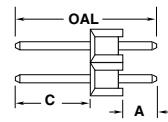
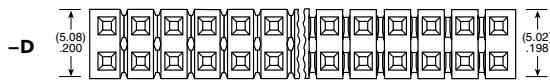
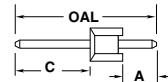
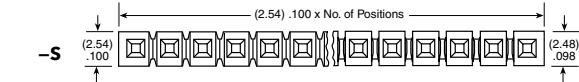
-55 °C to +105 °C with Tin

### PROCESSING

#### Lead-Free Solderable:

**MTSW:** No, Lead Wave Only  
**HMTSW:** Yes

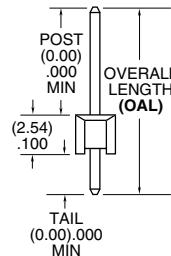
SERIES	PIN CENTERS	NO. PINS PER ROW	LEAD STYLE
<b>MTSW</b> = Modified Strip	<b>-1</b> = (2.54 mm) .100" Pitch (All positions filled)	<b>01 thru 50</b> =.100" (2.54 mm) Center Version	Specify LEAD STYLE from chart
<b>HMTSW</b> = Hi-Temp Modified Strip	<b>-2</b> = (5.08 mm) .200" Pitch (Every other position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



MTSW                    HMTSW

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

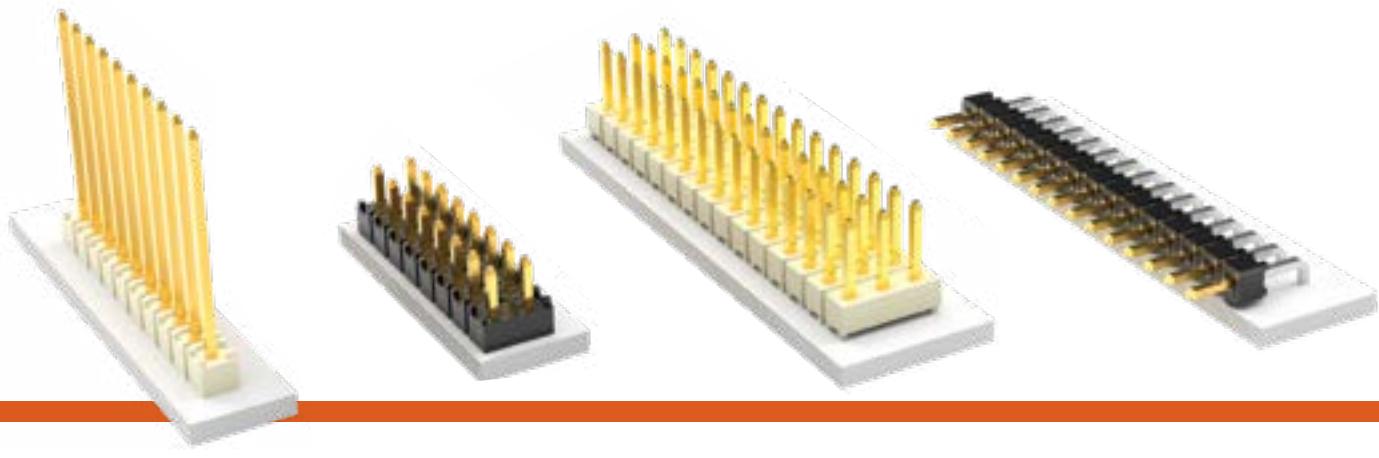
LEAD STYLE	OAL
-05	(8.51) .335
-06	(7.62) .300
-07	(10.92) .430
-08	(13.46) .530
-09	(18.54) .730
-10	(21.08) .830
-11	(23.62) .930
-12	(26.16) 1.030
-13	(31.24) 1.230
-21	(36.32) 1.430
-22	(16.00) .630
-23	(11.30) .445
-24	(12.19) .480
-27	(33.78) 1.330
-28	(28.70) 1.130



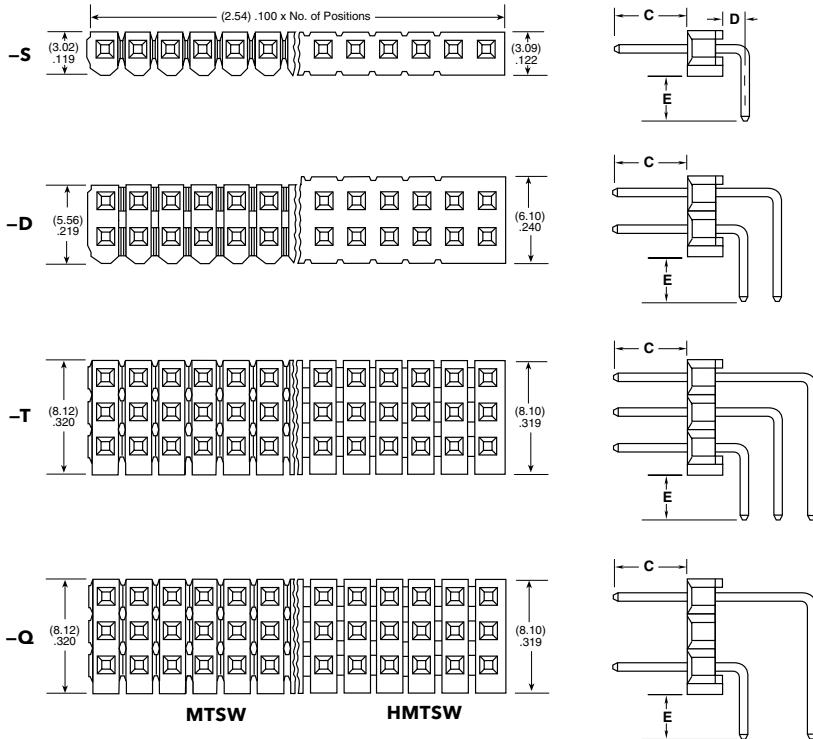
FOR "A" = (2.29) .090		
LEAD STYLE	OAL	C MAXIMUM STRAIGHT
-05	(8.51) .335	(5.97) .235
-06	(7.62) .300	(2.79) .110
-07	(10.92) .430	(6.10) .240
-08	(13.46) .530	(8.64) .340
-09	(18.54) .730	(13.72) .540
-10	(21.08) .830	(16.26) .640
-11	(23.62) .930	(18.80) .740
-12	(26.16) 1.030	(21.34) .840
-13	(31.24) 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.



PLATING OPTION	ROW OPTION	POST HEIGHT	OTHER OPTION	POLARIZED OPTION
<b>-F</b> = Gold flash on post, Matte Tin on tail	<b>-S</b> = Single Row	<b>"XXXX"</b> = "C" Dimension (Specify post height in .005" (0.13 mm) increments)	<b>-RA or -RE</b> = Right-angle (HMTSW-S &-D = 36 positions maximum)	<b>"XXX"</b> = Polarized (Specify 'XXX' as position number)
<b>-L</b> = 10 $\mu$ " (0.25 $\mu$ m) Gold on post, Matte Tin on tail	<b>-D</b> = Double Row		<b>-LL</b> = 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)	
<b>-G</b> = 10 $\mu$ " (0.25 $\mu$ m) Gold on post, Gold flash on balance	<b>-T</b> = Triple Row		<b>-LA</b> = -RA option with -LL Option (Maximum "C" = (13.46 mm).530")	
<b>-T</b> = Matte Tin	<b>-Q</b> = Double Row .200" (5.08 mm) row space			



-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).1030	(18.54).730	(16.00).630
*-13	(31.24).1230	(23.62).930	(21.08).830
*-21	(36.32).1430	(28.70).1130	(26.16).1030
-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).1330	(26.16).1030	(23.62).930
*-28	(28.70).1130	(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"