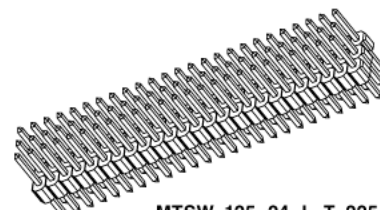
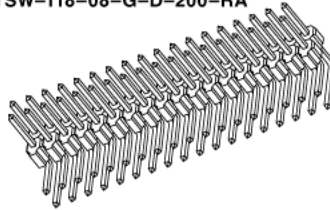




MTSW-118-08-G-D-200-RA



MTSW-125-24-L-T-225



www.samtec.com/lead-free

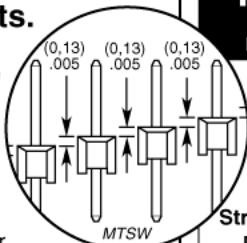


# MODIFIED .025"sq TERMINAL

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

Modified .025" strips permit custom post heights.

Samtec offers the greatest stacking flexibility in the industry. The "M" stands for Modified. You tell us the post height you need and we'll deliver it.



TYPE STRIP	PIN PITCH	NO. PINS PER ROW	LEAD STYLE
<b>MTSW</b> = Modified Strip  <b>HMTSW</b> = Hi-Temp Modified Strip	<b>-1</b> = (2,54mm) .100" Pitch  <b>-2</b> = (5,08mm) .200" Pitch		

**SPECIFY "LEAD STYLE" FROM CHART**

LEAD STYLE	OAL
-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

**SPECIFICATIONS**

For complete specifications see [www.samtec.com?MTSW](http://www.samtec.com?MTSW)

**MTSW**

**Insulator Material:** Black Glass Filled Polyester  
**Terminal Material:** Phosphor Bronze  
**Plating:** Au or Sn over 50µ" (1,27µm) Ni  
**Current Rating:** 3 amp continuous  
**Operating Temp Range:** -55°C to +125°C with Gold -55°C to +105°C with Tin



**Processing:** Lead-Free Solderable: Wave Only

**SPECIFICATIONS**

For complete specifications see [www.samtec.com?HMTSW](http://www.samtec.com?HMTSW)

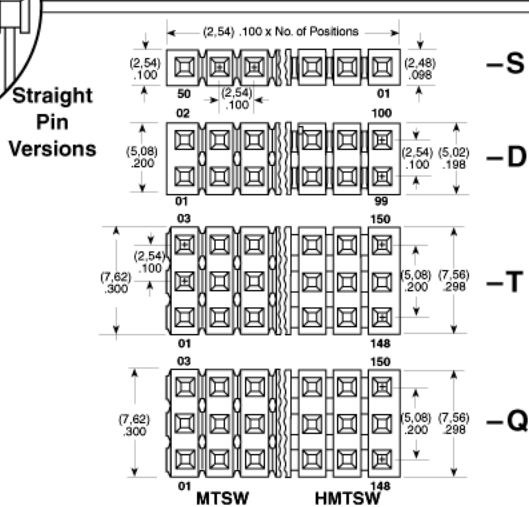
**HMTSW**

Same as MTSW except:  
**Insulator Material:** Natural Liquid Crystal Polymer

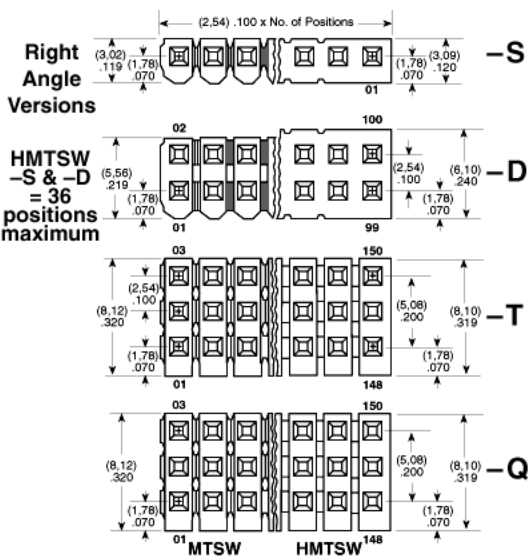


**Processing:** Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x  
**Lead-Free Solderable:** Yes

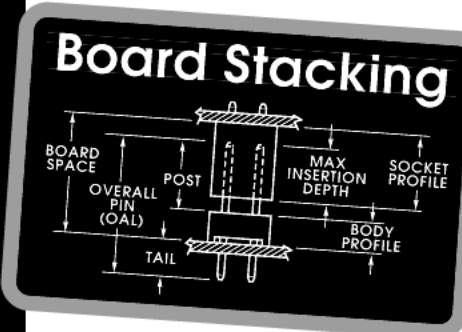
**Note:** These Series are non-standard, non-returnable.



**01 thru 50**  
= (2,54mm) .100" Center Version

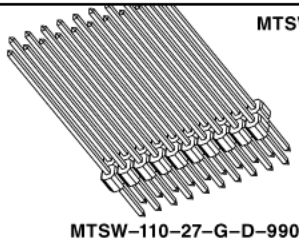


**02 thru 25**  
= (5,08mm) .200" Center Version



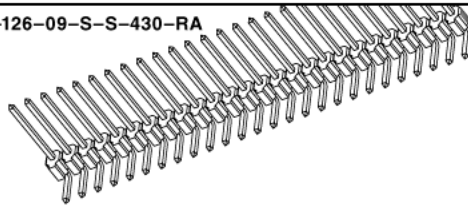
Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

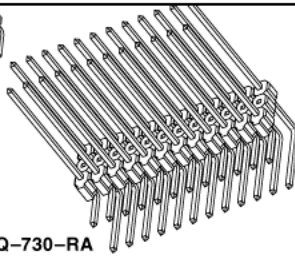


MTSW-110-27-G-D-990

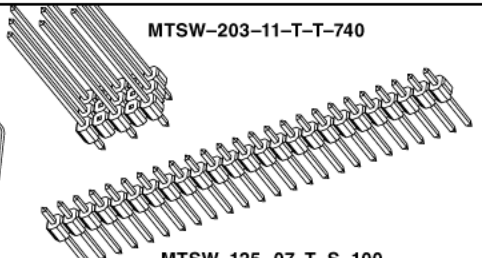
MTSW-126-09-S-S-430-RA



MTSW-112-12-G-Q-730-RA



MTSW-203-11-T-T-740



MTSW-125-07-T-S-100

# STRIPS MTSW & HMTSW SERIES

## PLATING OPTION

**-G**

= 10μ" (0,25μm) Gold on contact area,  
Gold flash on balance

**-S**

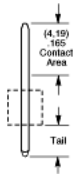
= 30μ" (0,76μm) Gold on contact area,  
Matte Tin on tail

**-L**

= 10μ" (0,25μm) Gold on contact area,  
Matte Tin on tail

**-T**

= Matte Tin



## ROW OPTION

**-S**

= Single

**-D**

= Double

**-T**

= Triple

**-Q**

= Double Row  
.200" (5,08mm)  
row space

## POST HEIGHT

## OTHER OPTION

## POLARIZED OPTION

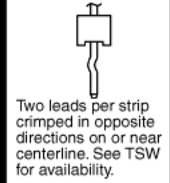
**-“XXX”**

= Polarized  
(Specify “XXX” as  
position number)

**-RA or -RE** = Right Angle

**-LL**

= Locking Lead  
(N/A with -RE)  
N/A in single row 1 or 2  
positions. Available on  
tails from (2,29) .090" to  
(10,16) .400" only



**-LA** = -RA Option with -LL Option  
(Maximum “C” = (13,46) .530)

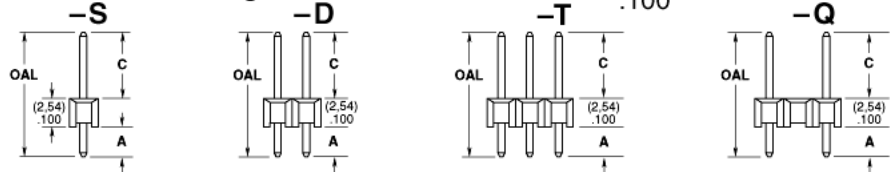


**-“XXXX”** = “C” Dimension (Specify post height in INCHES - .005" (0,13mm) increments)

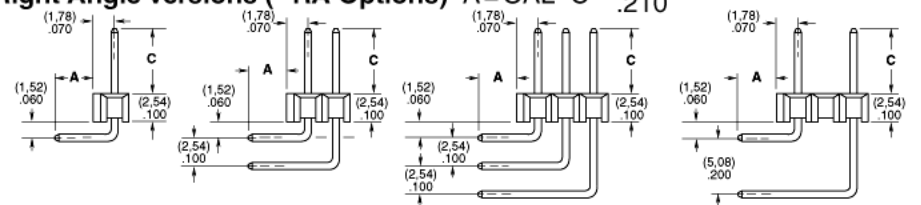
LEAD STYLE	FOR A = (2,29) .090			
	OAL	C MAXIMUM STRAIGHT	C MAXIMUM w/RA	C MAXIMUM w/RE
-06	(7,62) .300	(2,79) .110	N/A	N/A
-07	(10,92) .430	(6,10) .240	(3,30) .130	N/A
-08	(13,46) .530	(8,64) .340	(5,84) .230	(3,30) .130
-09	(18,54) .730	(13,72) .540	(10,92) .430	(8,38) .330
-10	(21,08) .830	(16,26) .640	(13,46) .530	(10,92) .430
-11	(23,62) .930	(18,80) .740	(16,00) .630	(13,46) .530
-12	(26,16) 1.030	(21,34) .840	(18,54) .730	(16,00) .630
* -13	(31,24) 1.230	(26,42) 1.040	(23,62) 1.130	(21,08) .830
* -21	(36,32) 1.430	(31,50) 1.240	(28,70) 1.130	(26,16) 1.030
-22	(16,00) .630	(11,18) .440	(8,38) .330	(5,84) .230
* -23	(11,30) .445	(6,48) .255	(3,68) .145	N/A
* -24	(12,19) .480	(7,37) .290	(4,57) .180	N/A
* -27	(33,78) 1.330	(28,96) 1.140	(26,16) 1.030	(23,62) .930
* -28	(28,70) 1.130	(23,88) .940	(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

Straight Pin Versions A=OAL-C-<sup>(2,54)</sup><sub>.100</sub>

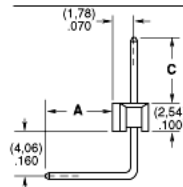


Right Angle Versions (-RA Options) A=OAL-C-<sup>(5,33)</sup><sub>.210</sub> Styles -13, -21, -23, -24, -27 N/A with -D  
Styles -13, -21, -23, -24, -27, -28 N/A with -T or -Q



Right Angle Versions  
(-RE Options) Single Row Only

A=OAL-C-<sup>(7,87)</sup><sub>.310</sub>



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