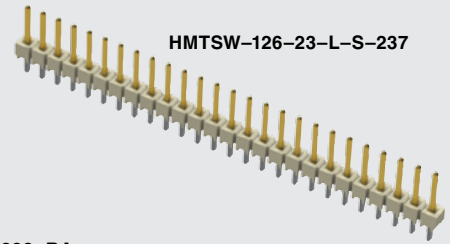


MTSW-117-09-G-D-383-RA



HMTSW-126-23-L-S-237

(2.54 mm) .100"

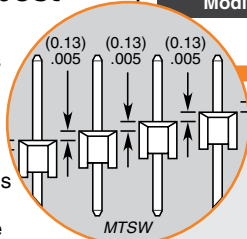
# MODIFIED .025" SQ POST HEADERS

**Board Mates:**  
SSW, SSQ, ESW,  
ESQ, BCS, BSW  
CES, SLW, HLE, SSM

**Cable Mates:**  
IDSD, IDSS, SMSD, SMSS

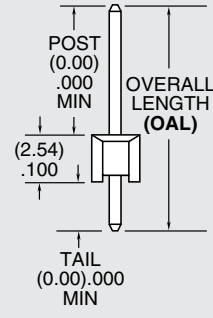
**Modified .025" strips permit custom post heights.**

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> = (2.54 mm) .100" Pitch  	<b>-2</b> = (5.08 mm) .200" Pitch  	

**SPECIFY "LEAD STYLE" FROM CHART**



## SPECIFICATIONS

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

**Insulator Material:**  
MTSW: Black Glass Filled Polyester  
HMTSW: Natural Liquid Crystal Polymer  
**Terminal Material:**  
Phosphor Bronze  
**Plating:**  
Au or Sn over 50 μm (1.27 μm) Ni

**Operating Temp Range:**  
-55 °C to +125 °C with Gold  
-55 °C to +105 °C with Tin  
**RoHS Compliant:**  
Yes

**Lead-Free Solderable:**  
MTSW: No, Wave Only  
HMTSW: Yes

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



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

**Straight Pin Versions**

<b>-S</b>	(2.54) .100 x No. of Positions	(2.54) .100	(2.48) .098
<b>-D</b>	(5.08) .200	(2.54) .100	(5.02) .198
<b>-T</b>	(7.62) .300	(2.54) .100	(5.08) .298
<b>-Q</b>	(7.62) .300	(5.08) .200	(7.56) .298

01 thru 50 = (2.54 mm) .100" Center Version

**Right Angle Versions**

<b>-S</b>	(3.02) .119	(1.78) .070	(1.78) .070	(3.09) .120
<b>-D</b>	(5.56) .219	(1.78) .070	(1.78) .070	(6.10) .240
<b>-T</b>	(8.12) .320	(1.78) .070	(1.78) .070	(8.10) .319
<b>-Q</b>	(8.12) .320	(1.78) .070	(1.78) .070	(8.10) .319

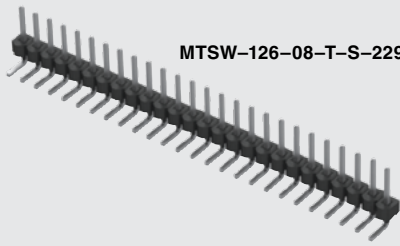
02 thru 25 = (5.08 mm) .200" Center Version

**HMTSW -S & -D = 36 positions maximum**

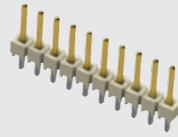
LEAD STYLE	OAL
-06	(7.62) .300
-07	(10.92) .430
-08	(13.46) .530
-09	(18.54) .730
-10	(21.08) .830
-11	(23.62) .930
-12	(26.16) 1.030
-13	(31.24) 1.230
-21	(36.32) 1.430
-22	(16.00) .630
-23	(11.30) .445
-24	(12.19) .480
-27	(33.78) 1.330
-28	(28.70) 1.130



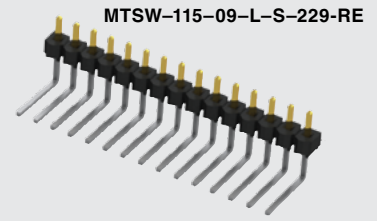
MTSW-108-28-G-D-920



MTSW-126-08-T-S-229-RA



HMTSW-110-23-L-S-237



MTSW-115-09-L-S-229-RE

**MTSW, HMTSW SERIES**

**PLATING OPTION**

**-F**

= Gold flash on post, Matte Tin on tail

**-L**

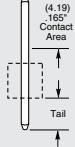
= 10 μm (0.25 μm) Gold on post, Matte Tin on tail

**-G**

= 10 μm (0.25 μm) Gold on post, Gold flash on balance

**-T**

= Matte Tin



**ALSO AVAILABLE (MOQ Required)**

- Other platings Contact Samtec.

**ROW OPTION**

**-S**

= Single

**-D**

= Double

**-T**

= Triple

**-Q**

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

**POST HEIGHT**

**OTHER OPTION**

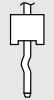
**POLARIZED OPTION**

**-“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 mm) .090" to (10.16 mm) .400" only)



Two leads per strip crimped in opposite directions on or near centerline. See TSW for availability.

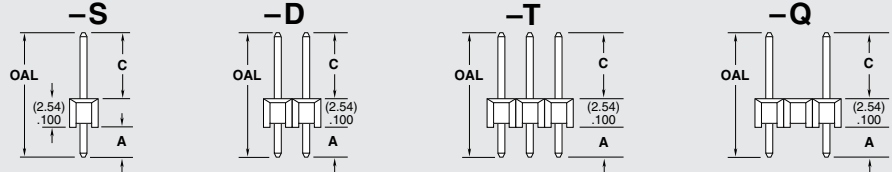
**-LA** = -RA Option with -LL Option (Maximum “C” = (13.46 mm) .530)

**-“XXXX”** = “C” Dimension (Specify post height in INCHES - .005" (0.13 mm) 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) .930	(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

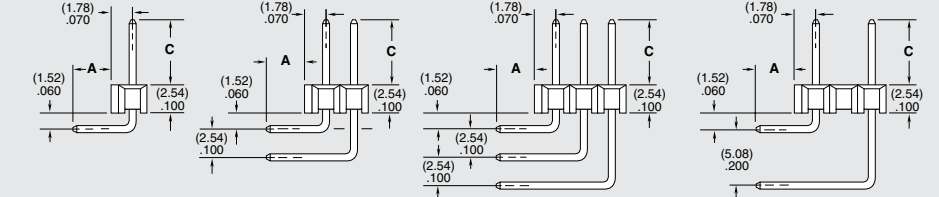
\* Styles -21, -23, -24, -27 not available with -D Right-Angle  
Styles -13, -21, -23, -24, -27, -28 not available with -T or -Q Right-Angle

**Straight Pin Versions**  $A = OAL - C - \frac{(2.54)}{.100}$



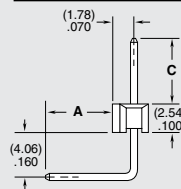
**Right-Angle Versions (-RA Options)**  $A = OAL - C - \frac{(5.33)}{.210}$

Styles -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**

$A = OAL - C - \frac{(7.87)}{.310}$



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