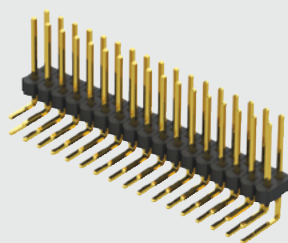
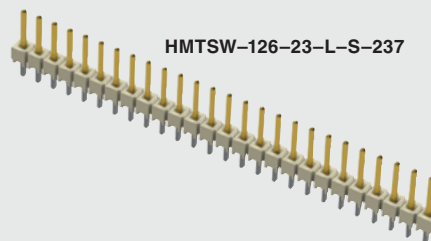


# FLEX STACK

(2.54 mm) .100"



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



HMTSW-126-23-L-S-237

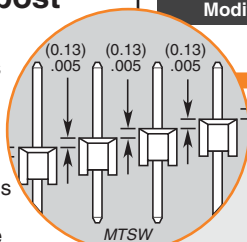
# MODIFIED .025" SQ POST HEADERS

**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.



## 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 μ" (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, Lead Wave Only

HMTSW: Yes

## RECOGNITIONS

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

**Note:**

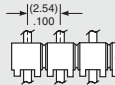
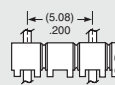
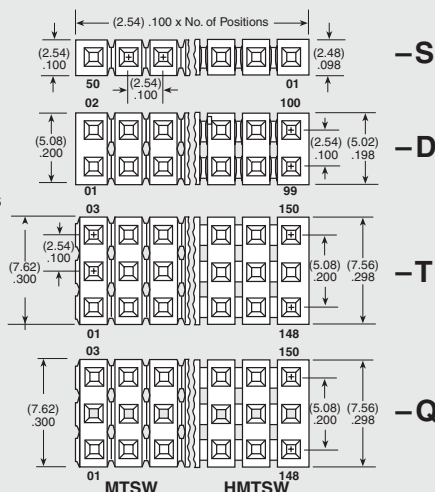
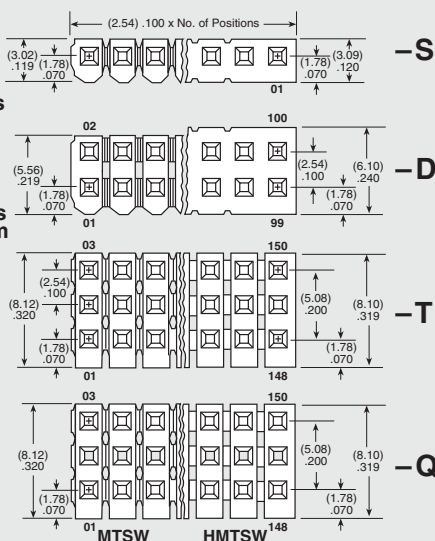
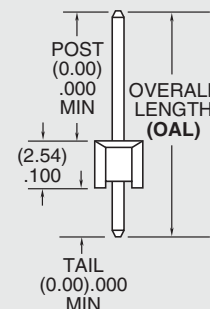
These Series are non-standard, non-returnable.

TYPE  
STRIP

PIN PITCH

NO. PINS  
PER ROW

LEAD STYLE

MTSW  
= Modified StripHMTSW  
= Hi-Temp  
Modified Strip-1  
= (2.54 mm)  
.100" Pitch-2  
= (5.08 mm)  
.200" PitchStraight  
Pin  
Versions01  
thru  
50  
= (2.54 mm)  
.100" Center  
VersionRight  
Angle  
VersionsHMTSW  
-S & -D  
= 36  
positions  
maximum02  
thru  
25  
= (5.08 mm)  
.200" Center  
VersionSPECIFY "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 |

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

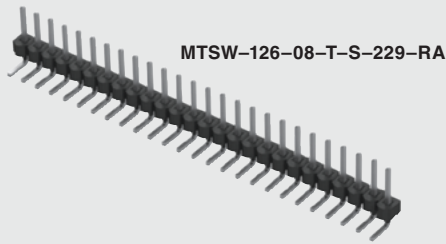
[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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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

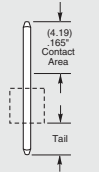
## PLATING OPTION

**-F**

= Gold flash on post, Matte Tin on tail

**-L**= 10  $\mu$ " (0.25  $\mu$ m) Gold on post,  
Matte Tin on tail**-G**= 10  $\mu$ " (0.25  $\mu$ m) Gold on post,  
Gold flash on balance**-T**

= Matte Tin

ALSO AVAILABLE  
(MOQ Required)

- Other platings  
Contact Samtec.

ROW  
OPTION**-S**

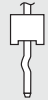
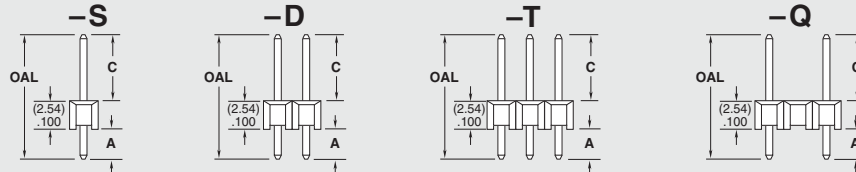
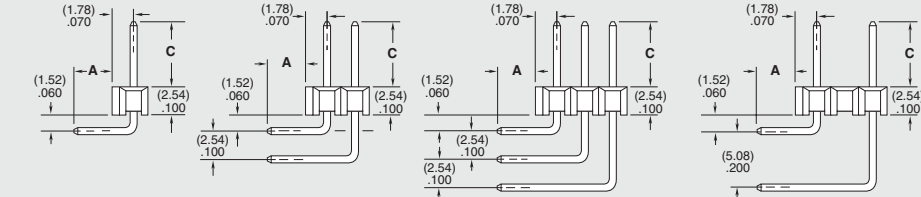
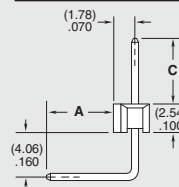
= Single

**-D**

= Double

**-T**

= Triple

**-Q**= Double Row  
.200" (5.08 mm)  
row spacePOST  
HEIGHTOTHER  
OPTIONPOLARIZED  
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)Straight Pin Versions  $A = OAL - C - \begin{matrix} (2.54) \\ .100 \end{matrix}$ Right-Angle Versions (-RA Options)  $A = OAL - C - \begin{matrix} (5.33) \\ .210 \end{matrix}$  Styles -21, -23, -24, -27 N/A with -D  
Styles -13, -21, -23, -24, -27, -28 N/A with -T or -QRight-Angle Versions  
(-RE Options) Single Row Only $A = OAL - C - \begin{matrix} (7.87) \\ .310 \end{matrix}$ 

| FOR A = (2.29) .090 |               |                    |                    |                    |
|---------------------|---------------|--------------------|--------------------|--------------------|
| LEAD STYLE          | OAL           | C MAXIMUM STRAIGHT | C MAXIMUM with/-RA | C MAXIMUM with/-RE |
| -06                 | (7.62) .300   | (2.79) .110        | Not Available      | Not Available      |
| -07                 | (10.92) .430  | (6.10) .240        | (3.30) .130        | Not Available      |
| -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        | Not Available      |
| *-24                | (12.19) .480  | (7.37) .290        | (4.57) .180        | Not Available      |
| *-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

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