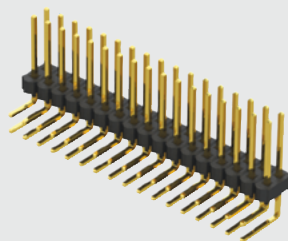
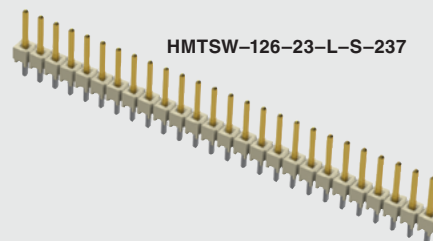


# FLEX STACK

(2.54 mm) .100"



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



HMTSW-126-23-L-S-237

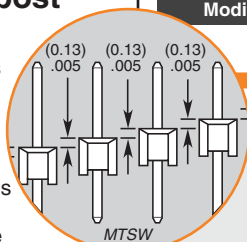
# MODIFIED .025" SQ POST HEADERS

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

IDSD, IDSS

## 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:**

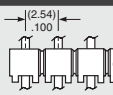
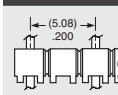
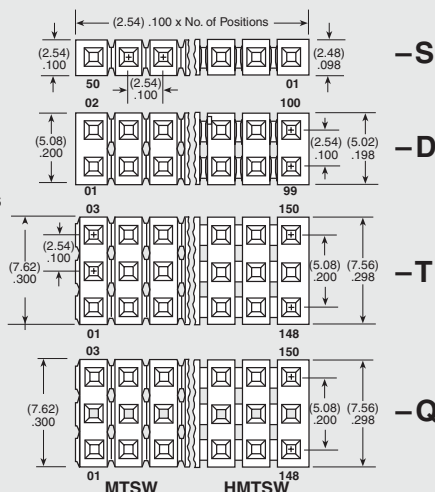
These Series are non-standard, non-returnable.

TYPE  
STRIP

PIN PITCH

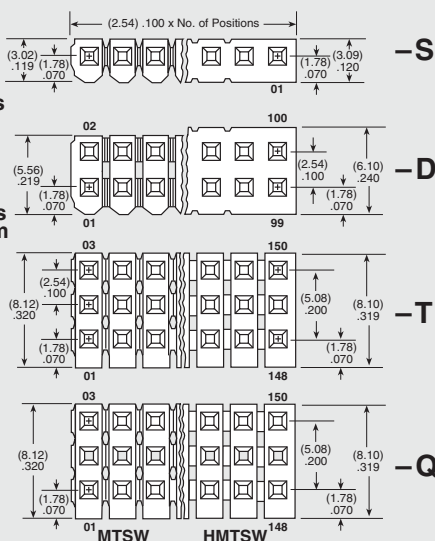
NO. PINS  
PER ROW

LEAD STYLE

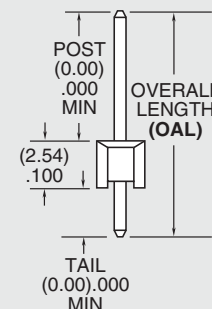
MTSW  
= Modified StripHMTSW  
= Hi-Temp  
Modified Strip-1  
= (2.54 mm)  
.100" Pitch-2  
= (5.08 mm)  
.200" PitchStraight  
Pin  
Versions

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

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

Right  
Angle  
VersionsHMTSW  
-S & -D  
= 36  
positions  
maximum

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 |

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

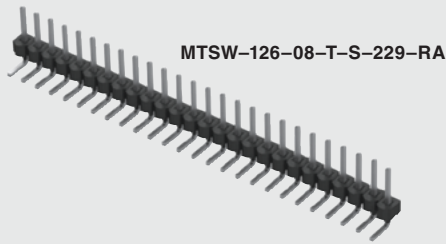
[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

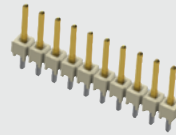
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.



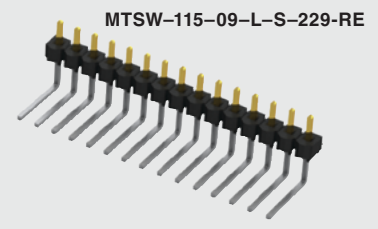
MTSW-108-28-G-D-920



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



HMTSW-110-23-L-S-237



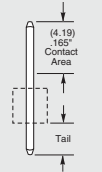
MTSW-115-09-L-S-229-RE

**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

**ROW  
OPTION****-S**

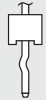
= Single

**-D**

= Double

**-T**

= Triple

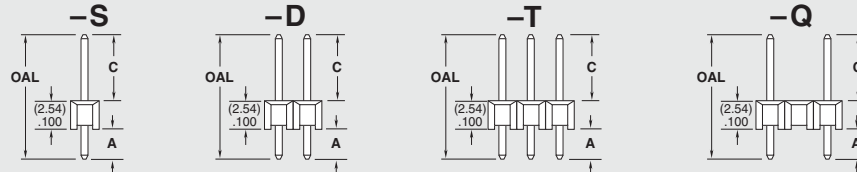
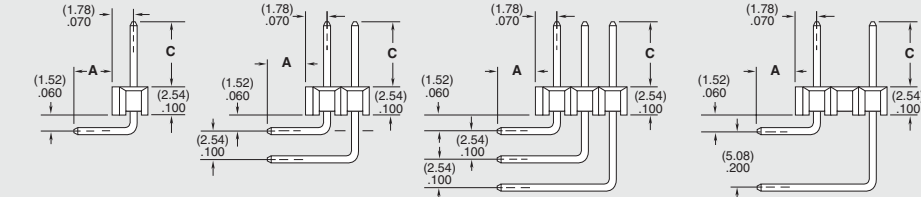
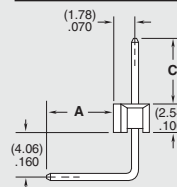
**-Q**= Double Row  
.200" (5.08 mm)  
row space**POST  
HEIGHT****OTHER  
OPTION****POLARIZED  
OPTION****-“XXX”**= Polarized  
(Specify ‘XXX’ as  
position number)**-RA** or **-RE** = Right-angle**-LL**= Locking Lead  
(N/A with -RE,  
N/A in single row 1 or 2  
positions. Available on  
tails from (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)**ALSO AVAILABLE  
(MOQ Required)**

- Other platings

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

| 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

**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 -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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