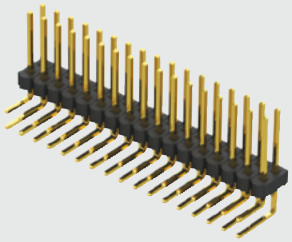
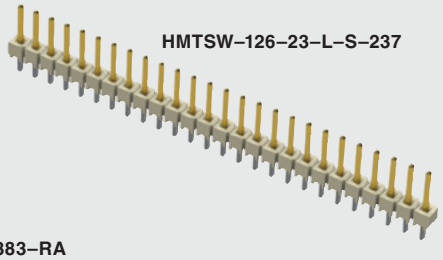
samtec

FLEX STACK

(2.54 mm) .100"



MTSW–117–09–G–D–383–RA



HMTSW–126–23–L–S–237

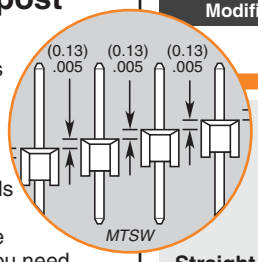
MODIFIED .025" SQ POST HEADERS

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 or 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

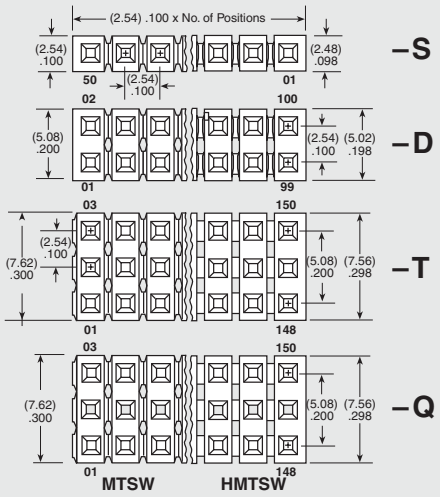
For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594

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

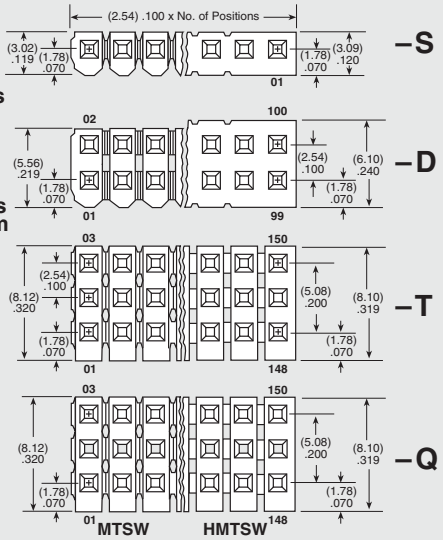
TYPE STRIP	PIN PITCH	NO. PINS PER ROW	LEAD STYLE
MTSW = Modified Strip HMTSW = Hi-Temp Modified Strip	–1 = (2.54 mm) .100" Pitch –2 = (5.08 mm) .200" Pitch	01 thru 50 = (2.54 mm) .100" Center Version 02 thru 25 = (5.08 mm) .200" Center Version	SPECIFY "LEAD STYLE" FROM CHART

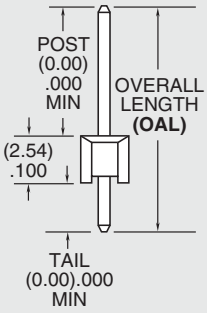
Straight Pin Versions



Right Angle Versions

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

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

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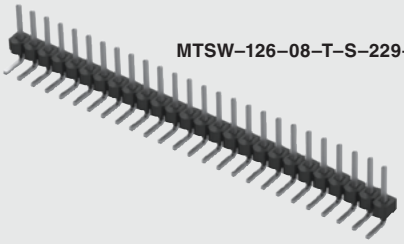
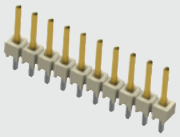
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

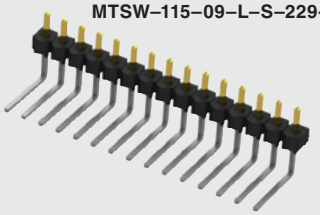
MTSW–108–28–G–D–920



MTSW–126–08–T–S–229–RA



HMTSW–110–23–L–S–237



MTSW–115–09–L–S–229-RE

MTSW, HMTSW SERIES

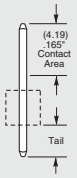
PLATING OPTION

–F
= Gold flash on post, Matte Tin on tail

–L
= 10 µ" (0.25 µm) Gold on post, Matte Tin on tail

–G
= 10 µ" (0.25 µm) 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

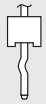
POST HEIGHT

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

OTHER OPTION

–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)

POLARIZED OPTION

–"XXX"
= Polarized (Specify 'XXX' as position number)

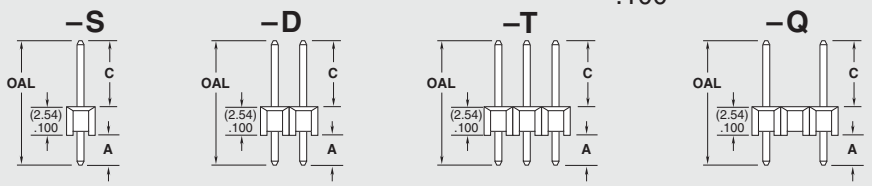
ALSO AVAILABLE
(MOQ Required)

- Other platings

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	
* – 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

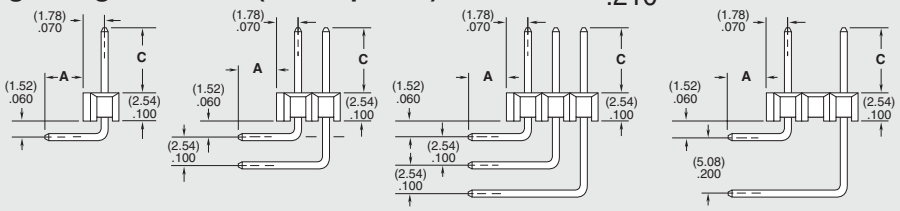
*** Styles –21, –23, –24, –27 not available with –D Right-angle**
Styles –13, –21, –23, –24, –27, –28 not available with –T or –Q Right-angle

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



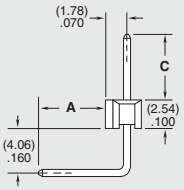
Right-Angle Versions (–RA Options) $A = OAL - C - \frac{(5.33)}{.210}$

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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