samtec

FLEX STACK

HMTSW–126–23–L–S–237

MTSW–117–09–G–D–383–RA

(2.54 mm) .100"
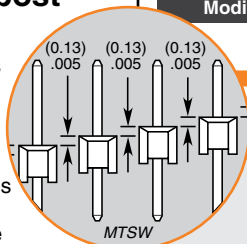
MODIFIED .025" SQ POST HEADERS

Board Mates:
SSW, SSQ, ESW, ESQ, BCS, BSW CES, SLW, HLE, SSM
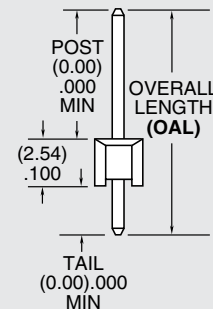
Cable Mates:
IDSD, IDSS, SMSD, SMSS

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.

(0.13) .005   (0.13) .005   (0.13) .005

MTSW

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:
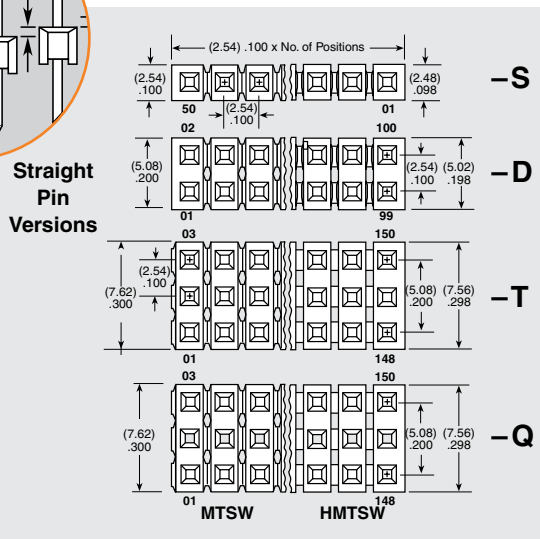Yes
Lead–Free Solderable:
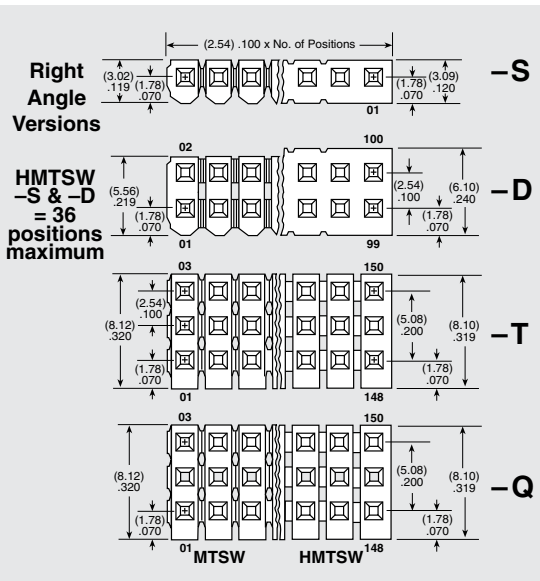MTSW: No, Wave Only
HMTSW: Yes

RECOGNITIONS

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

UL 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
(2.54) .100

–2 = (5.08 mm) .200" Pitch
(5.08) .200

Straight Pin Versions

(2.54) .100 x No. of Positions

(2.54) .100   (2.48) .098   **–S**   50   (2.54) .100   01

02   100
(5.08) .200   (2.54) .100   (5.02) .198   **–D**   01   99

03   150
(7.62) .300   (2.54) .100   (5.08) .200   (7.56) .298   **–T**   01   148

03   150
(7.62) .300   (5.08) .200   (7.56) .298   **–Q**   01   148

MTSW   HMTSW

Right Angle Versions

HMTSW –S & –D = 36 positions maximum

(2.54) .100 x No. of Positions

(3.02) .119   (1.78) .070   (1.78) .070   (3.09) .120   **–S**   01

02   100
(5.56) .219   (1.78) .070   (2.54) .100   (6.10) .240   (1.78) .070   **–D**   01   99

03   150
(8.12) .320   (2.54) .100   (1.78) .070   (5.08) .200   (8.10) .319   (1.78) .070   **–T**   01   148

03   150
(8.12) .320   (1.78) .070   (5.08) .200   (8.10) .319   (1.78) .070   **–Q**   01   148

MTSW   HMTSW

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

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

SPECIFY "LEAD STYLE" FROM CHART

POST (0.00) .000 MIN

(2.54) .100

OVERALL LENGTH (OAL)

TAIL (0.00).000 MIN

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

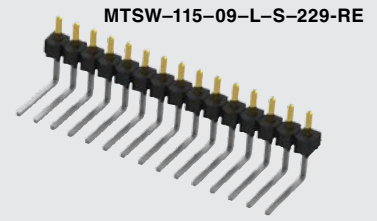*Due to technical progress, all designs, specifications and components are subject to change without notice.*

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
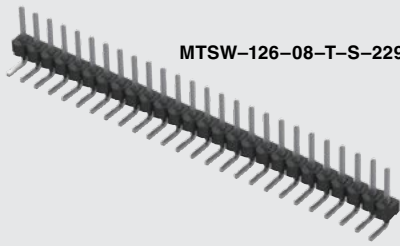
MTSW–126–08–T–S–229–RA
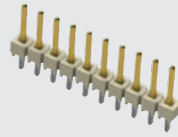
HMTSW–110–23–L–S–237

MTSW–115–09–L–S–229-RE

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

(4.19) .165" Contact Area

Tail
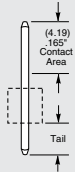
ALSO AVAILABLE
(MOQ Required)

• 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

–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)
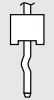
Two leads per strip crimped in opposite directions on or near centerline. See TSW for availability.
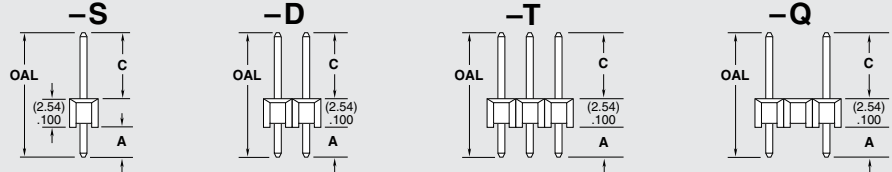
–LA = –RA Option with –LL Option (Maximum "C" = (13.46 mm) .530)

POLARIZED OPTION

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

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

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

		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

–S
OAL
(2.54) .100
C
A

–D
OAL
(2.54) .100
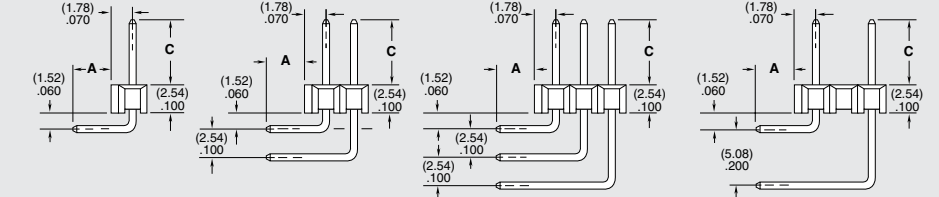C
A

–T
OAL
(2.54) .100
C
A

–Q
OAL
(2.54) .100
C
A

* 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

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

Styles –21, –23, –24, –27 N/A with –D
Styles –13, –21, –23, –24, –27, –28 N/A with –T or –Q

(1.78) .070   C
(1.52) .060   A   (2.54) .100

(1.78) .070   C
(1.52) .060   A   (2.54) .100
(2.54) .100

(1.78) .070   C
(1.52) .060   A   (2.54) .100
(2.54) .100
(2.54) .100

(1.78) .070   C
(1.52) .060   A   (2.54) .100
(5.08) .200

Right-Angle Versions
(–RE Options) Single Row Only

(1.78) .070   C
A   (2.54) .100
(4.06) .160

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

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