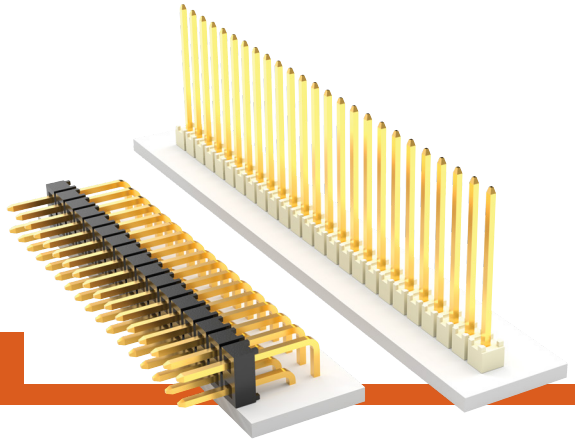
FLEX STACK

# MODIFIED .025" SQ POST HEADERS



## (2.54 mm) .100" PITCH • MTSW/HMTSW SERIES

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

**Cable Mates:**
IDSD, IDSS

| SERIES | PIN CENTERS | NO. PINS PER ROW | LEAD STYLE |
|---|---|---|---|
| **MTSW** = Modified Strip<br>**HMTSW** = Hi-Temp Modified Strip | **–1** = (2.54 mm) .100" Pitch (All positions filled)<br>**–2** = (5.08 mm) .200" Pitch (Every other position filled) | **01 thru 50** = .100" (2.54 mm) Center Version<br>**02 thru 25** = .200" (5.08 mm) Center Version | **Specify LEAD STYLE from chart** |

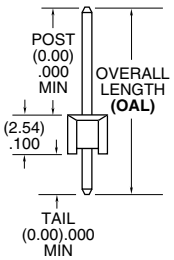
## SPECIFICATIONS

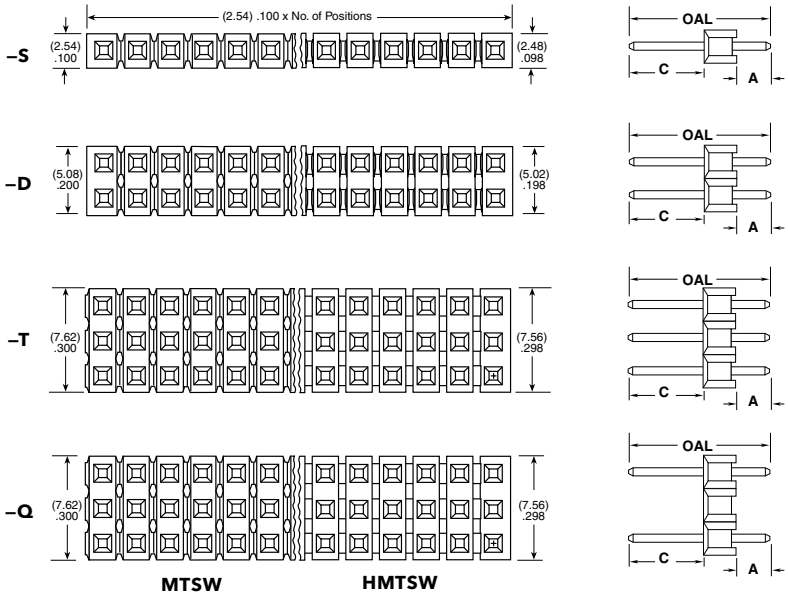
**Insulator Material:**
MTSW: Black Glass Filled Polyester
HMTSW: Natural Liquid Crystal Polymer
**Terminal Material:**
Phosphor Bronze
**Plating:**
Au or Sn over 50 µ" (1.27 µm) Ni
**Operating Temp Range:**
-55 °C to +125 °C with Gold
-55 °C to +105 °C with Tin

## PROCESSING

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

| LEAD STYLE | OAL |
|---|---|
| – 05 | (8.51) .335 |
| – 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 |




**Straight Pin Versions:** A=OAL-C- (2.54) .100"

| FOR "A" = (2.29) .090 | | |
|---|---|---|
| LEAD STYLE | OAL | C MAXIMUM STRAIGHT |
| – 05 | (8.51) .335 | (5.97) .235 |
| – 06 | (7.62) .300 | (2.79) .110 |
| – 07 | (10.92) .430 | (6.10) .240 |
| – 08 | (13.46) .530 | (8.64) .340 |
| – 09 | (18.54) .730 | (13.72) .540 |
| – 10 | (21.08) .830 | (16.26) .640 |
| – 11 | (23.62) .930 | (18.80) .740 |
| – 12 | (26.16) 1.030 | (21.34) .840 |
| – 13 | (31.24) 1.230 | (26.42) 1.040 |
| – 21 | (36.32) 1.430 | (31.50) 1.240 |
| – 22 | (16.00) .630 | (11.18) .440 |
| – 23 | (11.30) .445 | (6.48) .255 |
| – 24 | (12.19) .480 | (7.37) .290 |
| – 27 | (33.78) 1.330 | (28.96) 1.140 |
| – 28 | (28.70) 1.130 | (23.88) .940 |

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



samtec.com?MTSW or samtec.com?HMTSW

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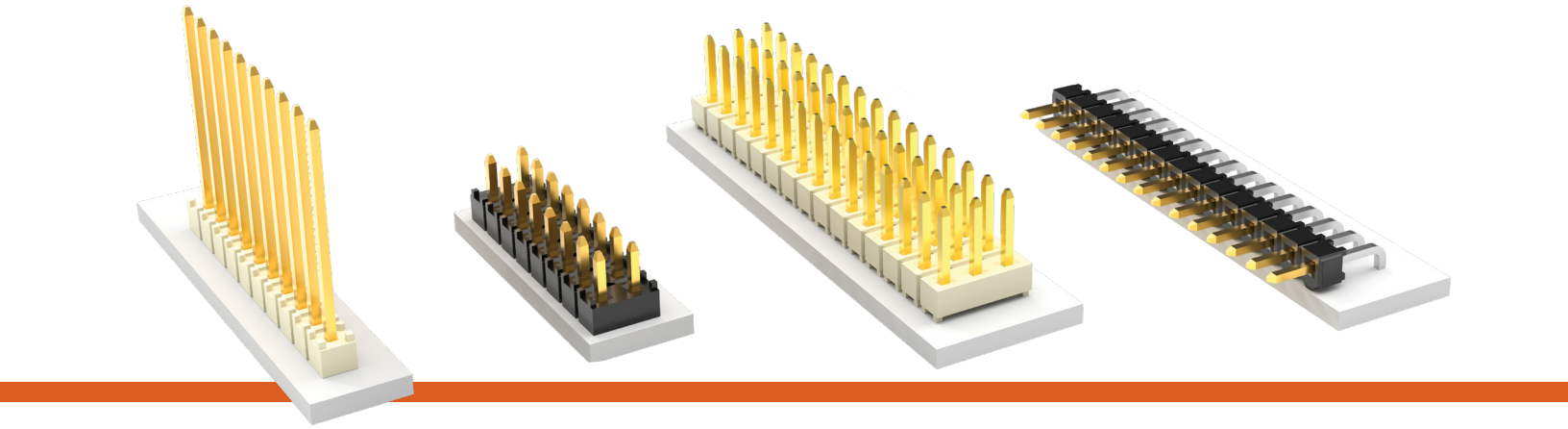


## PLATING OPTION

**–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 Row

**–D**
= Double Row

**–T**
= Triple Row

**–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

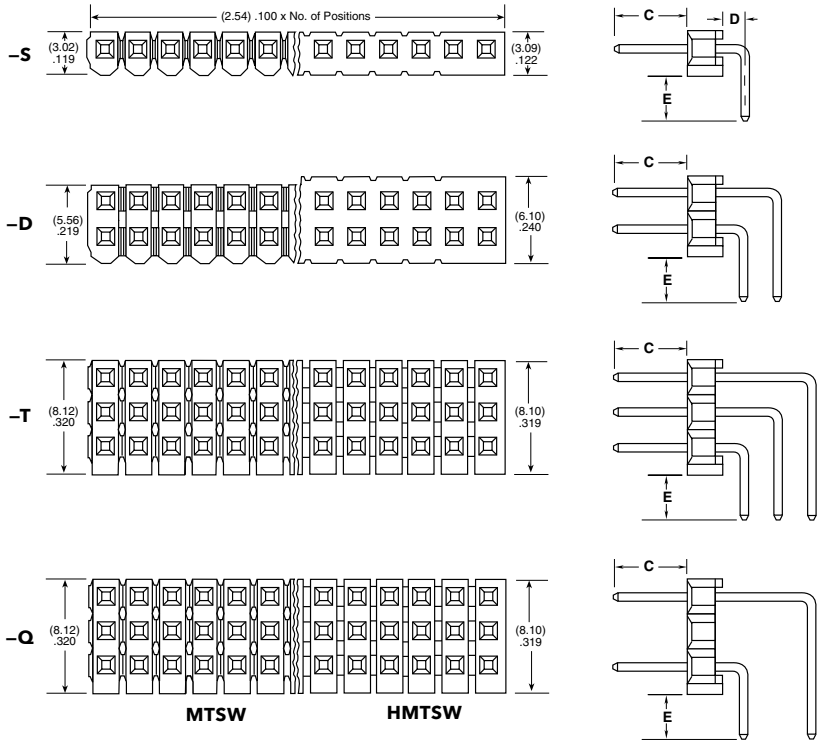
**–RA or –RE**
= Right-angle
(HMTSW –S &–D =
36 positions maximum)

**–LL**
= Locking Lead
(not available with –RE, not available
in single row 1 or 2 positions)
(Available on tails from (2.29 mm) .090"
to (10.16 mm) .400" only)

**–LA**
= –RA option with –LL Option
(Maximum "C" = (13.46 mm) .530")

## POLARIZED OPTION

**"XXX"**
= Polarized
(Specify "XXX" as position number)




| –RX OPTION | D |
|---|---|
| –RA | (1.52) .060 |
| –RE | (4.06) .160 |

| FOR "E" = (2.29) .090 MIN FOR –RA & –RE) | | | |
|---|---|---|---|
| LEAD STYLE | OAL | C MAXIMUM with/–RA | C MAXIMUM with/–RE |
| – 05 | (8.51) .335 | Not Available | Not Available |
| – 06 | (7.62) .300 | Not Available | Not Available |
| – 07 | (10.92) .430 | (3.30) .130 | Not Available |
| – 08 | (13.46) .530 | (5.84) .230 | (3.30) .130 |
| – 09 | (18.54) .730 | (10.92) .430 | (8.38) .330 |
| – 10 | (21.08) .830 | (13.46) .530 | (10.92) .430 |
| – 11 | (23.62) .930 | (16.00) .630 | (13.46) .530 |
| – 12 | (26.16) 1.030 | (18.54) .730 | (16.00) .630 |
| *– 13 | (31.24) 1.230 | (23.62) .930 | (21.08) .830 |
| *– 21 | (36.32) 1.430 | (28.70) 1.130 | (26.16) 1.030 |
| – 22 | (16.00) .630 | (8.38) .330 | (5.84) .230 |
| *– 23 | (11.30) .445 | (3.68) .145 | Not Available |
| *– 24 | (12.19) .480 | (4.57) .180 | |
| *– 27 | (33.78) 1.330 | (26.16) 1.030 | (23.62) .930 |
| *– 28 | (28.70) 1.130 | (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

**Right-Angle Versions (- RA Options):** E=OAL-C- (5.33) .210"

**Right-Angle Versions (-RE Options) Single Row Only:** E=OAL-C- (7.87) .310"

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