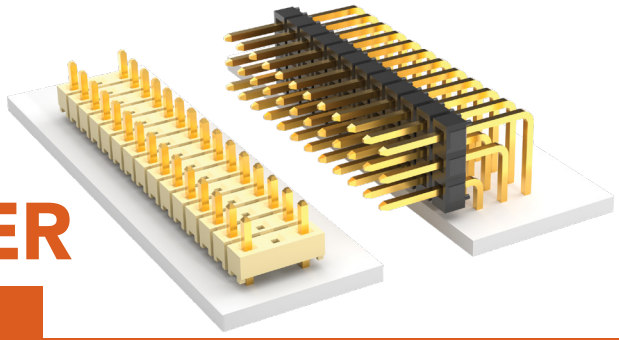
# THROUGH-HOLE .025" SQ POST HEADER



## (2.54 mm) .100" PITCH • TSW/HTSW SERIES

**TSW/HTSW**
**Board Mates:**
SSW, SSQ, SSM, ESW, ESQ, BCS, BSW, CES, SLW
**Cable Mates:**
IDSD, IDSS

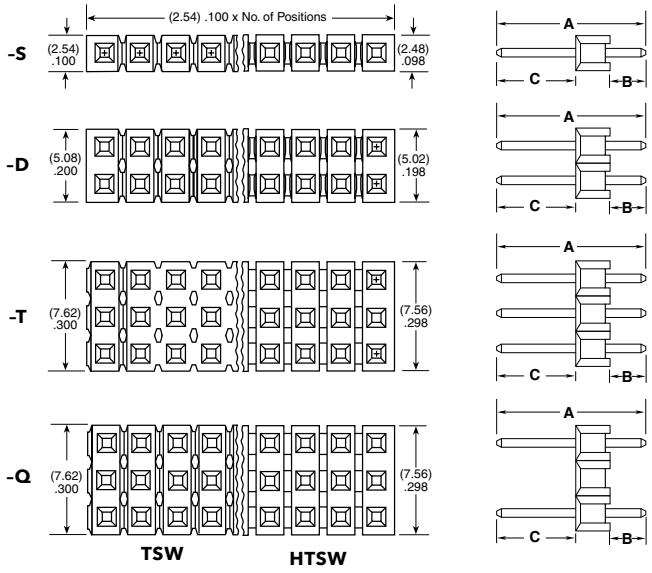
| SERIES | PIN CENTERS | NO. PINS PER ROW | LEAD STYLE |
|---|---|---|---|
| **TSW** = Standard Strip<br>**HTSW** = Hi-Temp Strip | **–1** = .100" (2.54 mm) Centers, (All positions filled)<br>**–2** = .200" (5.08 mm) Centers, (Every other position filled) | **01 thru 50** = .100" (2.54 mm) Center Version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

## SPECIFICATIONS

**Insulator Material:**
TSW: PBT
HTSW: Natural LCP
**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
**Voltage Rating:**
550 VAC mated with SSW;
500 VAC mated with BCS;
515 VAC mated with ESQ;
450 VAC -RA/-RE mated with BCS or SSM;
400 VAC mated with CES
**Lead–Free Solderable:**
HTSW: Yes
TSW: No, Lead Wave Only

| CURRENT RATING (PER PIN) | | | | | | |
|---|---|---|---|---|---|---|
| TSW mated with | | | | | | |
| ESW | SSW | SLW | SSQ | SSM | BCS | SNT |
| 5.2 A | 5.7 A | 5.2 A | 6.3 A | 5.2 A | 4.6 A | 4.3 A |

**2 POSITIONS POWERED**




**Straight Pin Versions**

## ALSO AVAILABLE
MOQ Required

Other Platings

## OTHER SOLUTIONS

Elevated Right-angle option
Shunts

| STRAIGHT PIN VERSIONS | | | |
|---|---|---|---|
| LEAD STYLE | A | B | C |
| *–05 | (8.51) .335 | (3.30) .130 | (2.67) .105 |
| *– 06 | (7.62) .300 | (2.41) .095 | (2.67) .105 |
| *– 07 | (10.92) .430 | (2.54) .100 | (5.84) .230 |
| *– 08 | (13.46) .530 | (5.08) .200 | |
| – 09 | (18.54) .730 | (10.16) .400 | |
| –10 | (21.08) .830 | (12.70) .500 | |
| –11 | (23.62) .930 | (15.24) .600 | |
| –12 | (26.16) 1.030 | (17.78) .700 | |
| –13 | (31.24) 1.230 | (22.86) .900 | |
| –14 | (13.46) .530 | (2.79) .110 | (8.13) .320 |
| *–15 | (18.54) .730 | | (13.21) .520 |
| *–16 | | (7.87) .310 | (8.13) .320 |
| *–17 | (21.08) .830 | (2.79) .110 | (15.74) .620 |
| *–18 | (23.62) .930 | | (18.29) .720 |

* Available with –LL (Locking Lead) Option
Specify -07 for best mate with IDXX Series IDC Cable

| STRAIGHT PIN VERSIONS | | | |
|---|---|---|---|
| LEAD STYLE | A | B | C |
| *–19 | (26.16) 1.030 | (2.79) .110 | (20.83) .820 |
| *– 20 | (31.24) 1.230 | | (25.91) 1.020 |
| *– 21 | (36.32) 1.430 | (2.79) .110 | (30.99) 1.220 |
| *– 22 | (16.00) .630 | (7.62) .300 | (5.84) .230 |
| *– 23 | (11.30) .445 | (2.92) .115 | |
| *– 24 | (12.15) .480 | | (6.73) .265 |
| *– 25 | (16.00) .630 | (5.33) .210 | (8.13) .320 |
| ▲– 26 | (11.58) .456 | (3.20) .126 | (5.84) .230 |
| – 27 | (33.78) 1.330 | (25.40) 1.000 | |
| – 28 | (28.70) 1.130 | (20.32) .800 | |
| – 29 | (33.78) 1.330 | (23.11) .910 | (8.13) .320 |
| – 30 | (28.70) 1.130 | (18.03) .710 | |
| +– 41 | (9.27) .365 | (0.89) .035 | (5.84) .230 |
| +– 42 | (11.94) .470 | (1.27) .050 | (8.13) .320 |

+ Style –41 & –42 available with HTSW only.
▲ Except: Style –26 (0.46) .018 DIA Tail

**Note:**
Some lengths, styles and options are non-standard, non-returnable.



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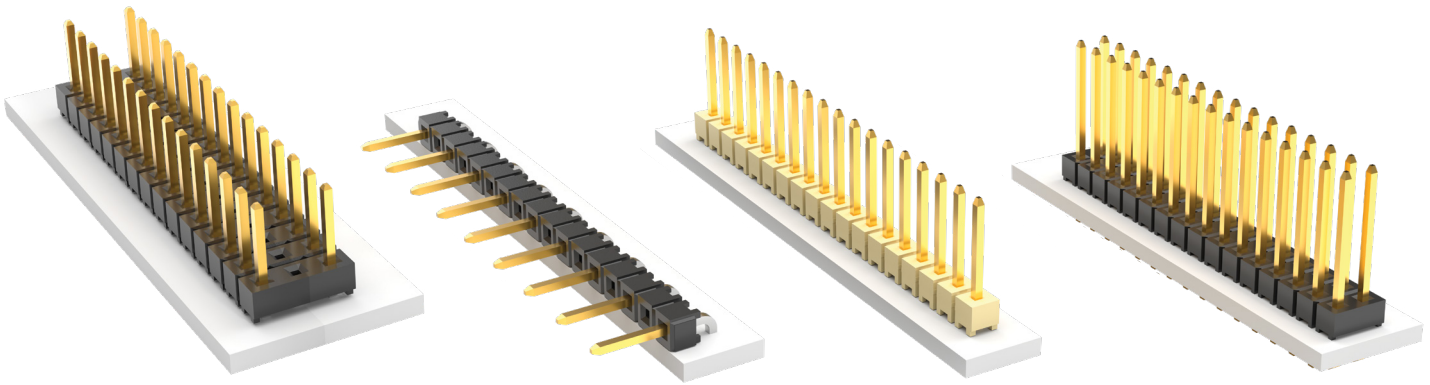


## PLATING OPTION

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

**–GF**
= 3 µ" (0.07 µm) Gold on post and tail

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

**–T**
= Matte Tin

## ROW OPTION

**–S**
= Single Row

**–D**
= Double Row

**–T**
= Triple Row

**–Q**
= Double Row
(5.08 mm).200"row space

## OTHER OPTION

**– RA or –RE**
= Right-angle

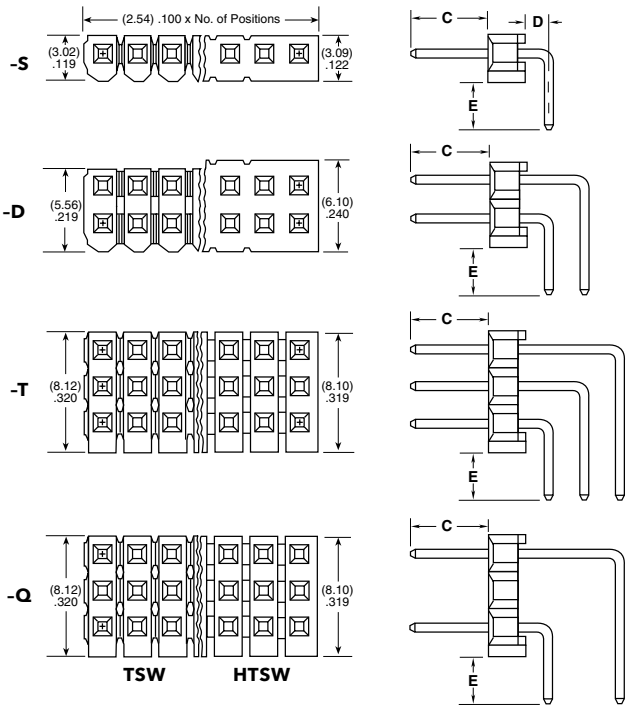
**–NA**
= Right-angle
(Using straight body for coplanar mating with SSW-RA series)

**–LL**
= Locking Lead
See charts for available styles.
Not available with single row
1 or 2 positions.
Recommended hole size
(1.02 mm ± 0.03 mm) .040" ± .001)

**–LC**
= Locking Clip
(Styles –08 thru –13 & –22 only)
(Requires 4 pin minimum)
(Not available with T, –Q, –RA or–RE)

**–LA**
= –RA Option with –LL Option

**–"XXX"**
= Polarized Position




**Right-Angle Versions**

| LEAD STYLE | D |
|---|---|
| – RA | (1.52) .060 |
| – RE | (4.06) .160 |

| RIGHT-ANGLE VERSIONS | | |
|---|---|---|
| -RE LEAD STYLE | C | SINGLE E |
| – 09 | (5.84) .230 | (4.83) .190 |
| –10 | | (7.37) .290 |
| –11 | | (9.91) .390 |
| –12 | | (12.45) .490 |
| –13 | | (17.53) .690 |
| –16 | (8.13) .320 | (2.54) .100 |
| – 21 | (5.84) .230 | (22.61) .890 |
| – 22 | | (2.29) .090 |
| – 27 | | (20.07) .790 |
| – 28 | | (14.99) .590 |

| RIGHT-ANGLE VERSIONS | | | | |
|---|---|---|---|---|
| -RA LEAD STYLE | SINGLE (–S) | | DOUBLE (–D) | TRIPLE (–T & –Q) |
| | C | E | E | E |
| – 08 | (5.84) .230 | (2.29) .090 | (2.29) .090 | (2.29) .090 |
| – 09 | | (7.37) .290 | (7.37) .290 | (7.37) .290 |
| –10 | | (9.91) .390 | (9.91) .390 | (9.91) .390 |
| –11 | | (12.45) .490 | (12.45) .490 | (12.45) .490 |
| –12 | | (14.99) .590 | (14.99) .590 | (14.99) .590 |
| –13 | | (20.07) .790 | (20.07) .790 | N/A |
| *–16 | (8.13) .320 | (5.08) .200 | (5.08) .200 | (5.08) .200 |
| – 21 | (5.84) .230 | (25.15) .990 | N/A | N/A |
| *– 22 | | (4.83) .190 | (4.83) .190 | (4.83) .190 |
| *– 25 | (8.13) .320 | (2.54) .100 | (2.54) .100 | (2.54) .100 |
| – 27 | (5.84) .230 | (22.61) .890 | N/A | N/A |
| – 28 | | (17.53) .690 | (17.53) .690 | |
| – 29 | (8.13) .320 | (20.32) .800 | N/A | |
| – 30 | | (15.24) .600 | (15.24) .600 | |

* Available with –LA (Locking Lead) Option

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