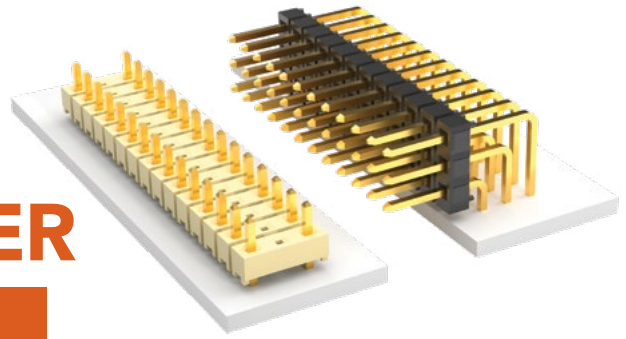


THROUGH-HOLE .025" SQ POST HEADER

(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

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

ALSO AVAILABLE

MOQ Required

Other Platings

OTHER SOLUTIONS

Elevated Right-angle option

Shunts

Note:

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

SERIES

TSW

= Standard Strip

HTSW

= Hi-Temp Strip

PIN CENTERS

-1

= .100" (2.54 mm) Centers,
(All positions filled)

-2

= .200" (5.08 mm) Centers,
(Every other position filled)

NO. PINS PER ROW

01 thru 50

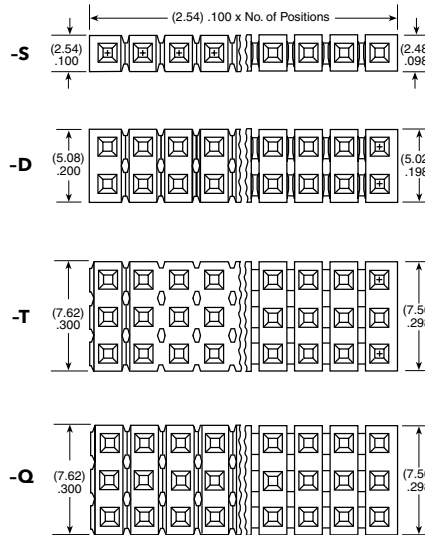
= .100" (2.54 mm)
Center Version

02 thru 25

= .200" (5.08 mm)
Center Version

LEAD STYLE

Specify
LEAD STYLE
from chart



TSW

HTSW

Straight Pin Versions

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	
*-08	(13.46) .530	(5.08) .200	
-09	(18.54) .730	(10.16) .400	
-10	(21.08) .830	(12.70) .500	(5.84) .230
-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

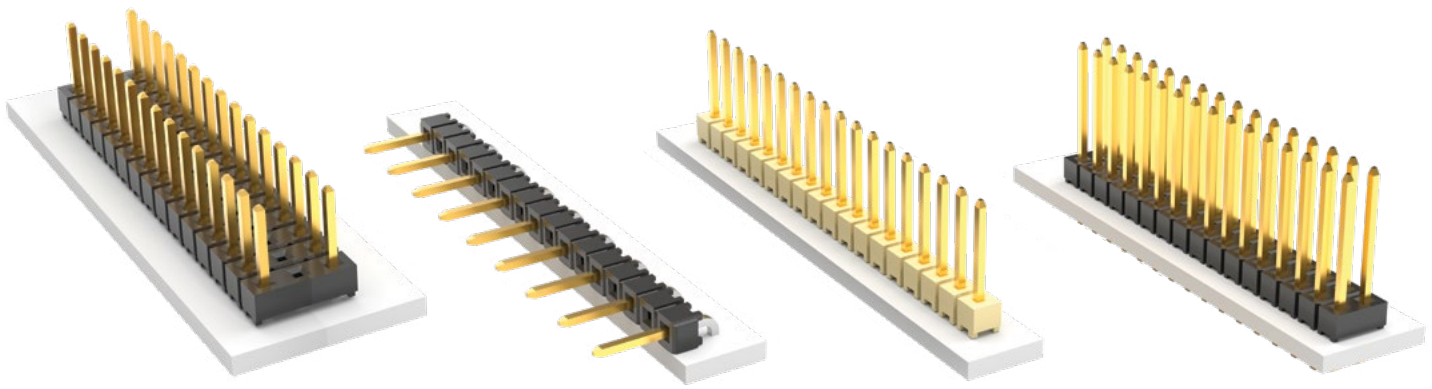
Specify -07 for best mate with IDXX Series IDC Cable

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	(6.73) .265
*-24	(12.15) .480		(8.13) .320
*-25	(16.00) .630	(5.33) .210	
▲-26	(11.58) .456	(3.20) .126	
-27	(33.78) 1.330	(25.40) 1.000	(5.84) .230
-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



PLATING OPTION

-F

= Gold flash on post, Matte Tin on tail

-L

= 10 μ " (0.25 μ m) Gold on post, Matte Tin on tail

-G

= 10 μ " (0.25 μ m) Gold on post, Gold flash on balance

-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 $\pm$ 0.03 mm) .040" $\pm$.001

-LC

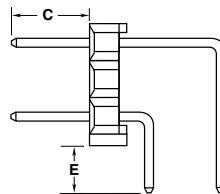
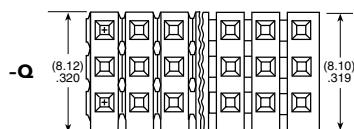
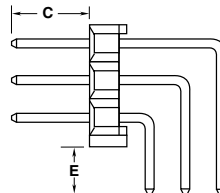
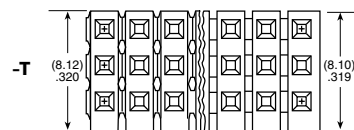
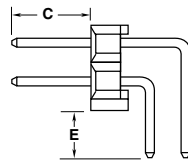
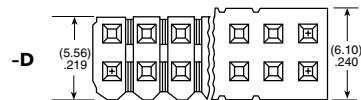
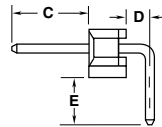
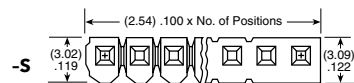
= Locking Clip
(Styles -08 thru -13 & -22 only)
(Requires 4 pin minimum)
(Not available with T, -Q, -RA or -RE)

-LA

= -RA Option with -LL Option

- "XXX"

= Polarized Position



TSW HTSW

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
-28		(14.99) .590

-RA LEAD STYLE	RIGHT-ANGLE VERSIONS			
	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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[TSW-203-10-F-S-RA](#) [TSW-203-11-F-S](#) [TSW-203-11-T-S-RE](#) [TSW-203-13-F-S](#) [TSW-203-13-G-S](#) [TSW-203-13-L-S-RA](#) [TSW-203-13-T-S-RA](#) [TSW-203-14-F-S](#) [TSW-203-15-F-S](#) [TSW-203-15-L-S-LL](#) [TSW-203-16-F-S-LA](#) [TSW-203-17-F-S](#) [TSW-203-17-L-S](#) [TSW-203-17-L-S-LL](#) [TSW-203-18-F-D](#) [TSW-203-21-F-Q](#) [TSW-203-21-F-S](#) [TSW-203-21-G-S-LL](#) [TSW-203-22-F-S-RA](#) [TSW-203-22-G-S-RA](#) [TSW-203-24-F-Q](#) [TSW-203-24-F-S](#) [TSW-203-24-S-D](#) [TSW-203-24-S-S](#) [TSW-203-25-F-S-RA](#) [TSW-203-25-L-S](#) [TSW-203-25-S-S-LA](#) [TSW-204-05-F-S](#) [TSW-204-05-G-Q](#) [TSW-204-06-F-S](#) [TSW-204-06-L-S](#) [TSW-204-07-F-D](#) [TSW-204-07-F-T-LL](#) [TSW-204-07-L-Q](#) [TSW-204-07-L-T](#) [TSW-204-08-F-D](#) [TSW-204-08-F-S](#) [TSW-204-08-G-S-LL](#) [TSW-204-08-L-S](#) [TSW-204-08-S-D](#) [TSW-204-09-T-S](#) [TSW-204-10-T-S-RE](#) [TSW-204-11-L-Q](#) [TSW-204-11-T-S-RE](#) [TSW-204-12-F-S-RA](#) [TSW-204-12-T-S-RA](#) [TSW-204-13-F-Q](#) [TSW-204-13-G-Q](#) [TSW-204-13-L-S](#) [TSW-204-13-L-S-RA](#) [TSW-204-14-F-S-LL](#) [TSW-204-14-L-T](#) [TSW-204-14-T-S-LL](#) [TSW-204-15-G-S-LL](#) [TSW-204-15-T-D](#) [TSW-204-16-T-S-LA](#) [TSW-204-17-G-S](#) [TSW-204-17-L-D](#) [TSW-204-17-L-S](#) [TSW-204-18-F-D](#) [TSW-204-18-F-Q](#) [TSW-204-18-F-S](#) [TSW-204-18-G-D](#) [TSW-204-18-T-D](#) [TSW-204-20-T-S](#) [TSW-204-22-S-S-RA](#) [TSW-204-23-F-S](#) [TSW-204-25-F-S-RA](#) [TSW-205-05-F-S](#) [TSW-205-05-L-S](#) [TSW-205-05-T-T](#) [TSW-205-06-G-Q](#) [TSW-205-06-S-S](#) [TSW-205-06-T-D](#) [TSW-205-07-F-S](#) [TSW-205-08-F-S-RA](#) [TSW-205-08-L-D](#) [TSW-205-10-G-S](#) [TSW-205-11-G-S-RA](#) [TSW-205-12-T-D-RA](#) [TSW-205-13-L-S-RA](#) [TSW-205-14-F-S](#) [TSW-205-16-F-S-RA](#) [TSW-205-17-F-Q](#) [TSW-205-17-F-S](#) [TSW-205-18-F-S](#) [TSW-205-19-T-S](#) [TSW-205-21-F-S](#) [TSW-205-22-T-S](#) [TSW-205-23-T-D](#) [TSW-205-25-F-Q](#) [TSW-205-25-F-S-RA](#) [TSW-205-25-G-D](#) [TSW-205-25-L-Q-RA](#) [TSW-205-26-G-Q](#) [TSW-205-29-L-D](#) [TSW-206-06-G-S](#) [TSW-206-06-L-Q](#) [TSW-206-07-F-S](#) [TSW-206-08-F-D-RA](#)