THROUGH-HOLE .025" SQ POST HEADE

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



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

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 or ESQ;
450 VAC -RA/-RE mated with

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

Other Platings (MOQ Required)

OTHER SOLUTIONS

Elevated Right-angle option Shunts

SERIES

TSW = Standard Strip

HTSW = Hi-Temp Strip = .100" (2.54 mm) Centers,

(All positions filled)

PIN CENTERS

-2

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

NO. PINS PER ROW

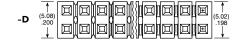
01 thru 50 = .100" (2.54 mm) Center Version

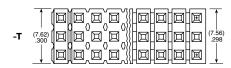
02 thru 25 = .200" (5.08 mm) Center Version

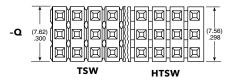
LEAD STYLE

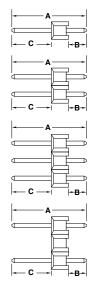
Specify LEAD STYLE from chart

(2.54) (2.54) (2.54) (2.54) (2.54) (2.54) (2.54)	↓ 2.48) 098 ↑
'	
	<u>*</u> ————————————————————————————————————









Straight Pin Versions

STRAIGHT PIN VERSIONS				
LEAD STYLE	A	В	С	
*-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	(0.70) 110	(8.13) .320	
*–15	(40.54) 720	(2.79) .110	(13.21) .520	
*–16	(18.54) .730	(7.87) .310	(8.13) .320	
*_17	(21.08) .830	(0.70) 110	(15.74) .620	
*–18	(23.62) .930	(2.79) .110	(18.29) .720	

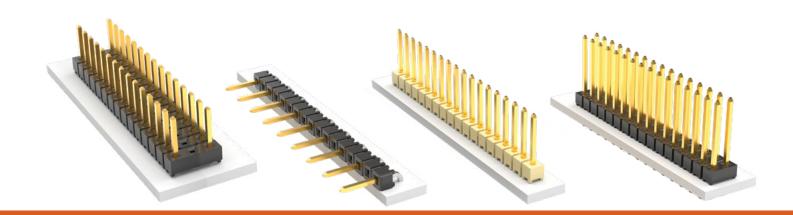
* Available with -LL (Locking Lead) Option

		5 ====, -	-
Specify -07	for best mate	with IDXX	Series IDC Cable

STRAIGHT PIN VERSIONS				
LEAD STYLE A		В	С	
*-19	(26.16) 1.030	(2.70) 110	(20.83) .820	
*- 20	(31.24) 1.230	(2.79) .110	(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	(2.02) 115	(5.64) .230	
*- 24	(12.15) .480	(2.92) .115	(6.73) .265	
*- 25	(16.00) .630	(16.00) .630 (5.33) .210		
▲ - 26	(11.58) .456	(11.58) .456 (3.20) .126		
- 27	- 27 (33.78) 1.330		(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	(6.13) .320	
+- 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

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



PLATING OPTION

ROW OPTION

OTHER OPTION

= Gold flash on post, Matte Tin on tail

 $\textcolor{red}{\textbf{-L}}$ = 10 $\mu^{\text{\tiny II}}$ (0.25 $\mu\text{m})$ Gold on post, Matte Tin on tail

-G

= 10 $\mu^{\text{\tiny "}}$ (0.25 $\mu\text{m})$ Gold on post, Gold flash on balance

_T = Matte Tin

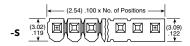
_S = Single

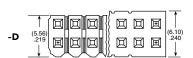
-D = Double Row

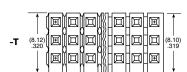
-T

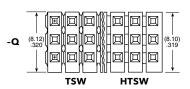
= Triple Row

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











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

RIGHT-ANGLE VERSIONS				
-RE LEAD STYLE	С	SINGLE E		
- 09		(4.83) .190		
-10] [(7.37) .290		
-11	(5.84) .230	(9.91) .390		
-12		(12.45) .490		
-13		(17.53) .690		
-16	(8.13) .320	(2.54) .100		
- 21		(22.61) .890		
- 22	(5.84) .230	(2.29) .090		
- 27	(3.04) .230	(20.07) .790		
- 28		(14.99) .590		

5	– RA or –RE
e Row	= 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					
-RA LEAD STYLE	SINGI	_E (–S)	DOUBLE (-D)	TRIPLE (-T & -Q)	
	С	E	(-D)	(-1 & -2) E	
- 08		(2.29) .090	(2.29) .090	(2.29) .090	
- 09		(7.37) .290	(7.37) .290	(7.37) .290	
-10	(5.84) .230	(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	(3.04) .230	(4.83) .190	(4.83) .190	(4.83) .190	
*- 25	(8.13) .320	(2.54) .100	(2.54) .100	(2.54) .100	
- 27	(F.0.4), 220	(22.61) .890	N/A		
- 28	(5.84) .230	(17.53) .690	(17.53) .690	N/A	
- 29	(8.13) .320	(20.32) .800	N/A	IN/A	
- 30	(0.13) .320	(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-107-25-F-S-LA TSW-107-25-L-T-RA TSW-107-25-T-D-LA TSW-107-26-F-Q TSW-107-26-F-S TSW-107-26-G-T TSW-107-28-F-D TSW-107-28-L-D TSW-107-29-T-D TSW-107-30-F-D-RA TSW-107-30-L-S TSW-108-05-F-D-LL TSW-108-05-L-Q TSW-108-06-L-S-LL TSW-108-07-F-D-005 TSW-108-07-F-T-LL TSW-108-07-L-Q TSW-108-07-S-S-004 TSW-108-08-F-D-LC TSW-108-08-F-D-RA-009 TSW-108-08-F-Q TSW-108-08-G-D-RA-009 TSW-108-08-G-Q-RA TSW-108-08-L-D-RA-009 TSW-108-08-L-D-RA-010 TSW-108-08-S-Q TSW-108-08-TM-D-RA TSW-108-08-TM-T TSW-108-08-T-S-005 TSW-108-08-T-T-LA TSW-108-09-F-S TSW-108-09-T-T-RA TSW-108-10-F-S-RA TSW-108-10-G-T-RA TSW-108-10-S-T TSW-108-11-F-D TSW-108-11-F-D-RA TSW-108-11-F-S TSW-108-11-L-Q-RA TSW-108-12-F-D TSW-108-12-F-S TSW-108-12-F-T-RA TSW-108-13-F-D TSW-108-13-F-S-RA TSW-108-14-F-D-LL TSW-108-14-F-Q TSW-108-15-F-S-LL TSW-108-15-F-T TSW-108-15-G-T TSW-108-15-L-Q TSW-108-15-L-S-004 TSW-108-15-L-S-005 TSW-108-16-T-S-LL TSW-108-17-F-D-LL TSW-108-17-G-S-LL TSW-108-18-F-D-LL TSW-108-18-G-S-LL TSW-108-19-G-T TSW-108-20-F-D TSW-108-20-F-S TSW-108-20-G-S-LL TSW-108-20-T-D-LL TSW-108-21-F-D TSW-108-21-F-D-LL TSW-108-21-F-S-LL TSW-108-21-F-T TSW-108-21-G-S-RA TSW-108-22-L-S TSW-108-22-S-D-LA TSW-108-22-S-Q-RA TSW-108-22-T-S-RA-003 TSW-108-23-F-T TSW-108-24-L-Q TSW-108-24-T-D-LL TSW-108-24-T-S-LL TSW-108-25-F-S TSW-108-25-G-S-LL TSW-108-25-G-T TSW-108-25-H-S-005-LA TSW-108-25-L-S-LL TSW-108-25-L-T-RA TSW-108-25-S-D-LA TSW-108-27-F-S-RA TSW-108-28-F-D-RA TSW-108-28-L-S TSW-108-28-S-S-RA TSW-108-28-T-S TSW-108-30-F-S-RA TSW-109-05-F-S TSW-109-05-G-S-LL TSW-109-06-F-D TSW-109-06-L-D TSW-109-06-T-D-LL TSW-109-07-G-Q TSW-109-07-L-D-003 TSW-109-07-L-D-LL-012 TSW-109-07-TM-S TSW-109-08-F-D-LL TSW-109-08-F-T-RA TSW-109-08-G-Q