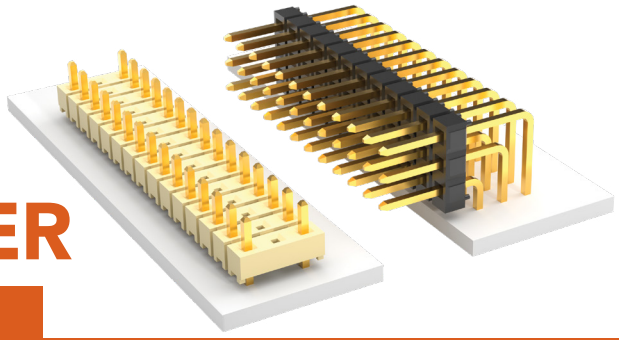
THROUGH-HOLE .025" SQ POST HEADER



(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

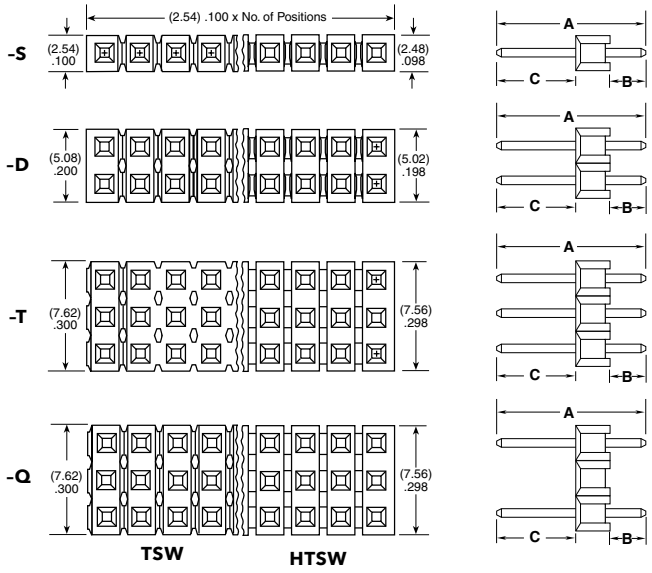
SERIES	PIN CENTERS	NO. PINS PER ROW	LEAD STYLE
TSW = Standard Strip **HTSW** = Hi-Temp Strip	**–1** = .100" (2.54 mm) Centers, (All positions filled) **–2** = .200" (5.08 mm) Centers, (Every other position filled)	**01 thru 50** = .100" (2.54 mm) Center Version **02 thru 25** = .200" (5.08 mm) Center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

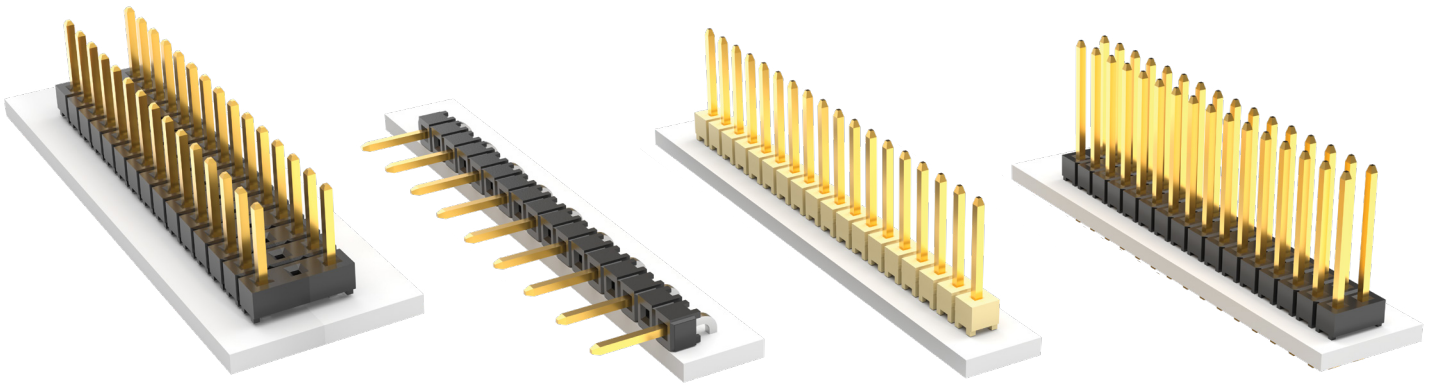
* Available with –LL (Locking Lead) Option
Specify -07 for best mate with IDXX Series IDC Cable

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.

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.



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

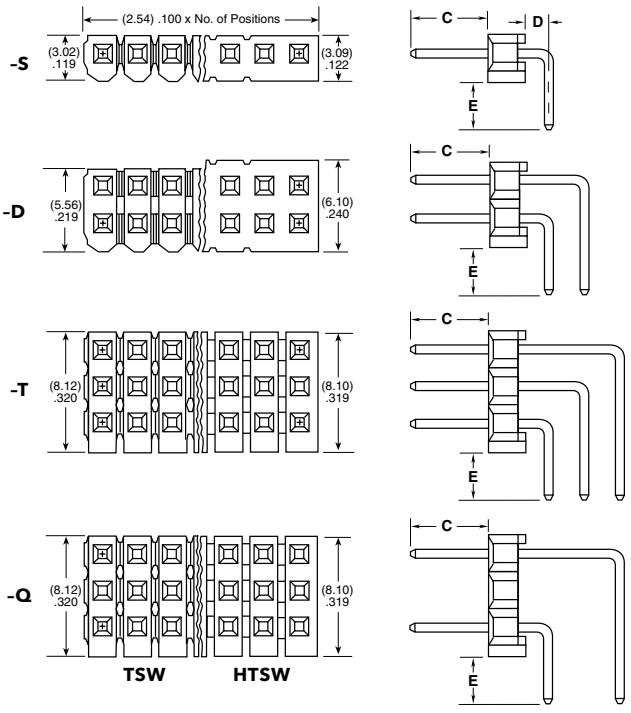
–NA
= Right-angle
(Using straight body for coplanar mating with SSW-RA series)

–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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