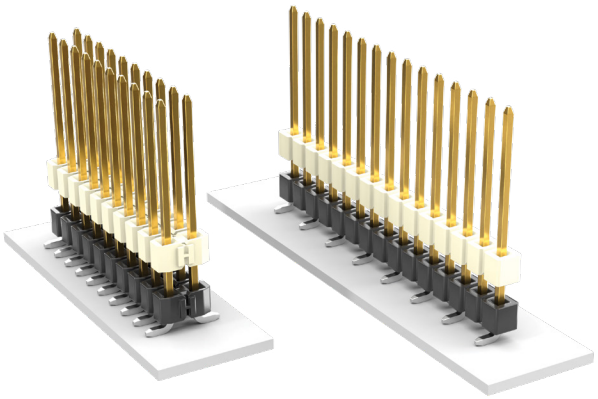
FLEX STACK

FLEXIBLE .025" SQ BOARD STACKERS



(2.54 mm) .100" PITCH • HW SERIES

HW
Board Mates:
SSW, SSQ, ESW, ESQ, CES, SLW, BSW, BCS, SSM, HLE, PHF
Cable Mates:
IDSS, IDSD

SPECIFICATIONS

Insulator Material:
HW-SM Top = Natural LCP
HW-SM Bottom = Black LCP
HW-TH = 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

PROCESSING

Lead–Free Solderable:
Yes
SMT Lead Coplanarity:
(0.15 mm) .006" max*
*(.004" stencil solution may be available; contact ipg@samtec.com)

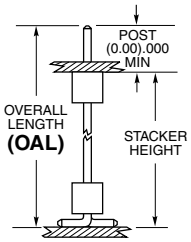
ALSO AVAILABLE
Contact Samtec

Other platings

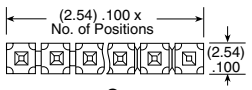
Locking Clip available with double row HW-SM (Manual placement required)

HW	–	NO. PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	ROW OPTION	–	STACKER HEIGHT	–	SM	–	OTHER OPTION
		01 thru 50 (Through-hole) **02 thru 36** (Surface mount)		**Specify LEAD STYLE from chart**		**–F** = Gold flash on contact, Matte Tin on tail **–L** = 10 µ" (0.25 µm) Gold on contact area of longer tail, Matte Tin on tail **–G** = 10 µ" (0.25 µm) Gold on contact area of longer tail, Gold flash on balance **–T** = Matte Tin		**–S** = Single Row **–D** = Double Row **–T** = Triple Row (Through-hole only) **–Q** = Double Row .200" (5.08 mm) row space (Through-hole only)		**–"XXX"** = Stacker Height (in inches) Through-hole = (5.08 mm) .200" Min. Surface mount = (6.35 mm) .250"Min.		Leave blank for Through-hole		**–"XXX"** = HW-TH Tail Length (in inches) (1.40 mm) .055"min. Example: –250 = (6.35 mm) .250" **–LL** = Locking Lead (Through-hole only) (Shortest dimension between the tail and the post is the end that will be crimped. Available on tails from (2.29 mm) .090" to (7.87 mm) .310" only.) Single row, 01 & 02 positions & –Q row not available **–"XXX"** = Polarized (Specify omitted pin position) **–A** = Alignment Pin (Metal or plastic at Samtec discretion) (Surface mount only) **–TR** = Tape & Reel (4–27 pins per row only) (Not Available on Lead Styles 10, 11, 12 & 20) (Surface mount only) **–FR** = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (4–27 pins per row only) (Not Available on Lead Styles 10, 11, 12 & 20) (Surface mount only)

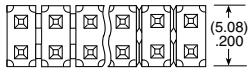
LEAD STYLE	OAL (TH)
– 07	(10.92) .430
– 08	(13.46) .530
– 09	(18.54) .730
–10	(21.08) .830
–11	(23.62) .930
–12	(26.16) 1.030
–13	(31.24) 1.230
–14	(36.32) 1.430
–15	(16.00) .630
–16	(11.30) .445
–17	(12.19) .480
–19	(33.78) 1.330
–20	(28.70) 1.130



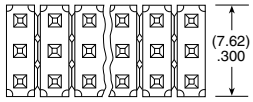
LEAD STYLE	OAL (SMT)
– 08	(11.81) .465
– 09	(16.89) .665
–10	(19.43) .765
–11	(21.97) .865
–12	(24.51) .965
–15	(14.35) .565
–16	(9.65) .380
–17	(10.54) .415
–20	(27.05) 1.065



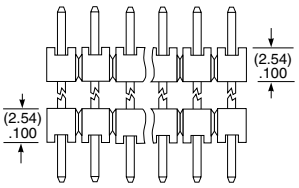
–S



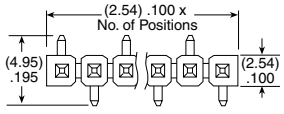
–D



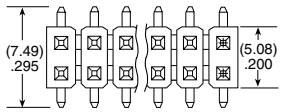
–T or –Q*
–Q* same as –T except middle row pins are removed



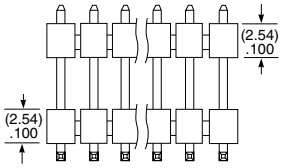
HW-TH



–S



–D



HW–SM

Notes:
For added mechanical stability, Samtec recommends mechanical board spacers be used in applications with gold or selective gold plated connectors. Contact ipg@samtec.com for more information.

This Series is 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.