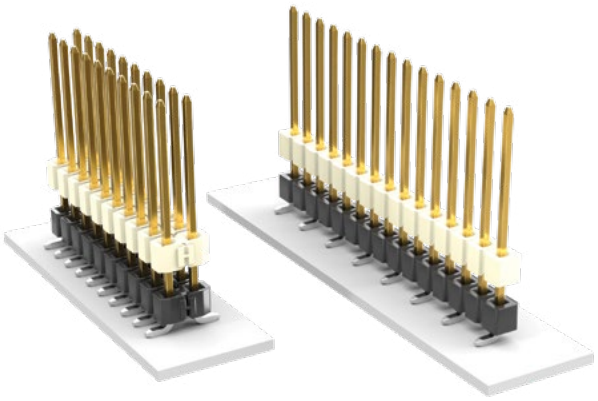
FLEX STACK

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
MOQ Required

Other platings

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

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.

HW	–	NO. PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	ROW OPTION	–	STACKER HEIGHT	–	SM	–	OTHER OPTION

NO. PINS PER ROW
01 thru 50
(Through-hole)
02 thru 36
(Surface mount)

LEAD STYLE
Specify LEAD STYLE from chart

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

PLATING OPTION
–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

ROW OPTION
–S
= Single Row

–D
= Double Row

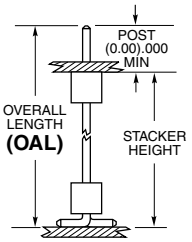
–T
= Triple Row (Through-hole only)

–Q
= Double Row .200" (5.08 mm) row space (Through-hole only)

STACKER HEIGHT
–"XXX"
= Stacker Height (in inches)

Through-hole = (5.08 mm) .200" Min.

Surface mount = (6.35 mm) .250"Min.



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

SM
Leave blank for Through-hole

OTHER OPTION
–"XXX"
= HW-TH Tail Length (in inches) (1.40 mm) .055"min. Example: –250 = (6.35 mm) .250"

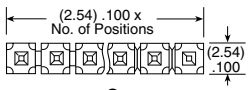
–LL
= Locking Lead (Through-hole only) (Shortest dimension between the tail and the post is the end that will be crimped. Available on tails from (2.29 mm) .090" to (7.87 mm) .310" only.) Single row, 01 & 02 positions & –Q row not available

–"XXX"
= Polarized (Specify omitted pin position)

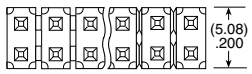
–A
= Alignment Pin (Metal or plastic at Samtec discretion) (Surface mount only)

–TR
= Tape & Reel (4–27 pins per row only) (Not Available on Lead Styles 10, 11, 12 & 20) (Surface mount only)

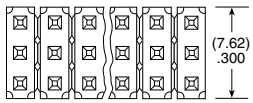
–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (4–27 pins per row only) (Not Available on Lead Styles 10, 11, 12 & 20) (Surface mount only)



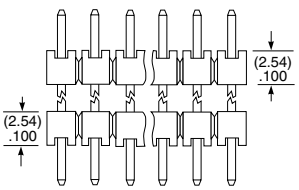
–S



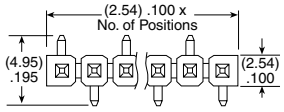
–D



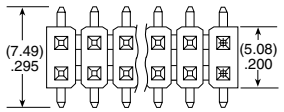
–T or –Q*
–Q* same as –T except middle row pins are removed



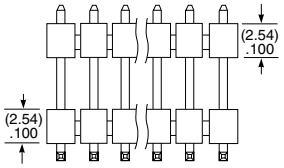
HW-TH



–S



–D



HW–SM

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.