

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 μ m) 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)

HW	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	STACKER HEIGHT	SM	OTHER OPTION
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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 μ m)
Gold on
contact
area of
longer tail,
Matte Tin
on tail

-G
= 10 μ "
(0.25 μ m)
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

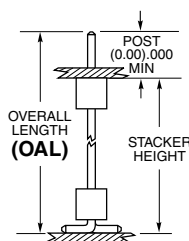
-"XXX"
= Polarized
(Specify omitted
pin position)

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

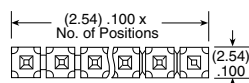
-TR
= Tape & Reel
(4-27 pins
per row only)
(Not Available
on Lead Styles
10, 11, 12 & 20)
(Surface
mount only)

-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)

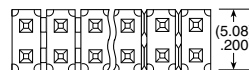
LEAD STYLE	OAL (TH)
-07	(10.92) .430
-08	(13.46) .530
-09	(18.54) .730
-10	(21.08) .830
-11	(23.62) .930
-12	(26.16) 1.030
-13	(31.24) 1.230
-14	(36.32) 1.430
-15	(16.00) .630
-16	(11.30) .445
-17	(12.19) .480
-19	(33.78) 1.330
-20	(28.70) 1.130



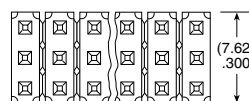
LEAD STYLE	OAL (SMT)
-08	(11.81) .465
-09	(16.89) .665
-10	(19.43) .765
-11	(21.97) .865
-12	(24.51) .965
-15	(14.35) .565
-16	(9.65) .380
-17	(10.54) .415
-20	(27.05) 1.065



-S

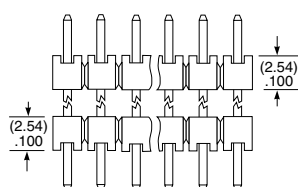


-D

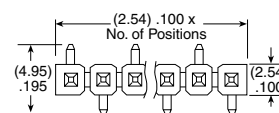


-T or -Q*

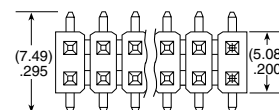
-Q* same as -T except middle
row pins are removed



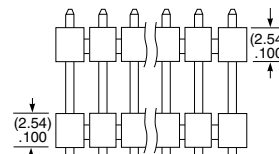
HW-TH



-S



-D



HW-SM

ALSO AVAILABLE Contact Samtec

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.

samtec.com?HW-TH or samtec.com?HW-SM

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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.