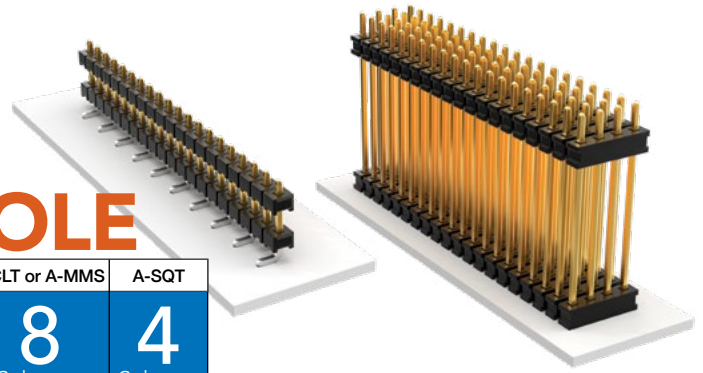




SMT & THROUGH-HOLE BOARD STACKERS

(2.00 mm) .0787" PITCH • A-TW SERIES

A-CLT or A-MMS	A-SQT
8	4
G b p s	G b p s



A-TW
Board Mates:
A-CLT, A-SQT,
A-ESQT, A-MMS

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
Sn or Au over
50 μm (1.27 μm) Ni
Current Rating:
A-TW-SM = 4.9 A per pin
(2 pins powered)
A-TW-TH = 5.2 A per pin
(2 pins powered)
Operating Temp Range:
-55 °C to +105 °C with Tin;
-55 °C to +125 °C with Gold

PROCESSING

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

A-TW	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	STACKER HEIGHT	SM	OTHER OPTION
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02
thru
36

Specify
LEAD
STYLE
from
chart

-L
= 10 μm
(0.25 μm)
Gold on
post,
Matte Tin
on tail

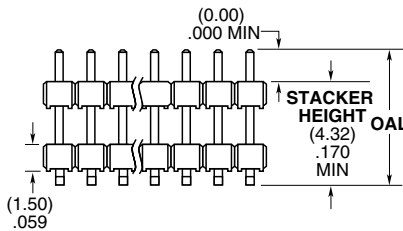
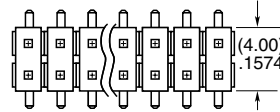
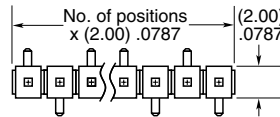
-S
= Single
Row
-D
= Double
Row

-"XXX"
= Stacker
Height
in inches
(4.32 mm)
.170" min.
(0.13 mm)
.005"
increments
Example:
-250
= (6.35 mm)
.250"

-A
= Alignment
Pin
(Plastic at
Samtec
discretion)
(4.83 mm)
.190" min.
board space
(-D only)

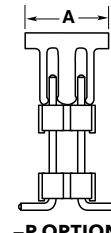
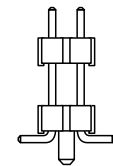
-P
= Pick &
Place Pad
(1.91 mm)
.075" min.
post height
(04-36 only)

-TR
Tape & Reel
(-07 lead
style N/A)
(-06 lead
style with
-P option N/A
as standard)



ROW OPTION	A
-S	(5.08) .200
-D	(6.35) .250

LEAD STYLE	OAL
-02	(7.85) .309
-03	(11.86) .467
-04	(12.37) .487
-06	(15.37) .605
-07	(17.35) .683
-09	(9.86) .388



ALSO AVAILABLE

MOQ Required

Other Platings
End shrouds with or
without guide post

A-TW	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	STACKER HEIGHT	TAIL SPEC
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02
thru
50

Specify
LEAD
STYLE
from
chart

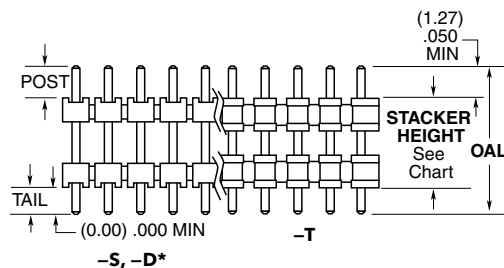
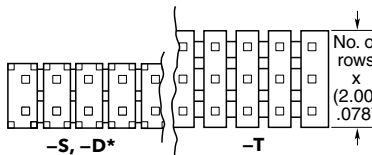
-L
= 10 μm
(0.25 μm)
Gold on
post,
Matte Tin
on tail

-S
= Single Row
-D
= Double Row
-T
= Triple Row

-"XXX"
= Stacker Height
in inches
(0.13 mm) .005"
increments
Example: -250
= (6.35 mm)
.250"

-"XXX"
= Tail Length
in inches
(1.93 mm)
.076" min.
(0.13 mm) .005"
increments

Example: -150
= (3.81 mm)
.150"



ROW OPTION	STACKER HEIGHT
-S, -D*	(3.05) .120 MIN
-T	(4.06) .160 MIN

*-D with stacker height
greater than (4.06 mm) .160"
will not have standoffs.

LEAD STYLE	OAL
-01	(8.20) .323
-02	(9.60) .377
-03	(13.60) .535
-04	(14.10) .555
-05	(15.10) .594
-06	(17.10) .673
-07	(19.10) .751
-08*	(21.10) .830
-09	(11.60) .456
-10	(15.60) .614
-11	(10.08) .397
-12*	(28.19) 1.110

*Style -08 & -12 = S & D only

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.

Due to technical progress, all designs, specifications and components are subject to change without notice.