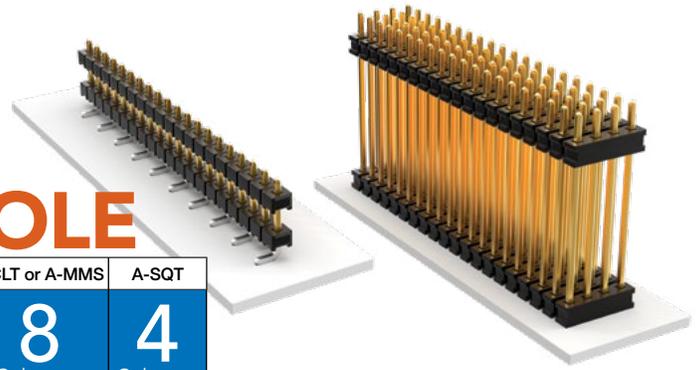




# SMT & THROUGH-HOLE BOARD STACKERS

(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

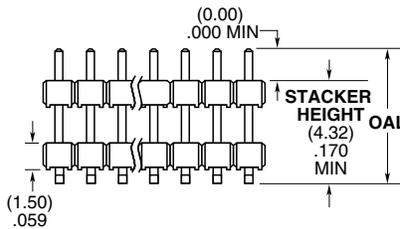
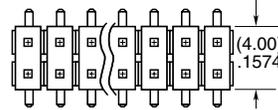
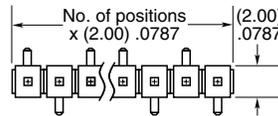
**-S**  
= Single  
Row  
**-D**  
= Double  
Row

**-"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)

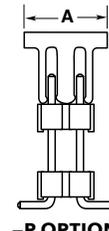
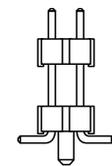
**-P**  
= Pick &  
Place Pad  
(1.91 mm)  
.075" min.  
post height  
(04-36 only)

**-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

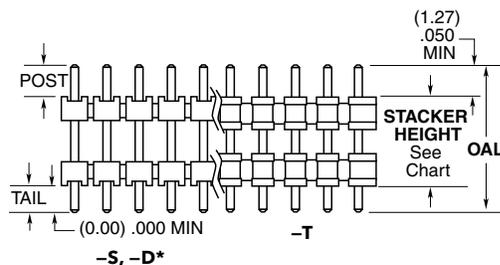
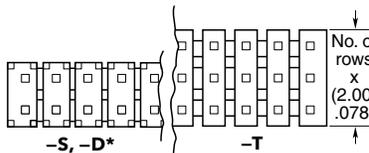
**-L**  
= 10 μm  
(0.25 μm)  
Gold on  
post,  
Matte Tin  
on tail

**-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.