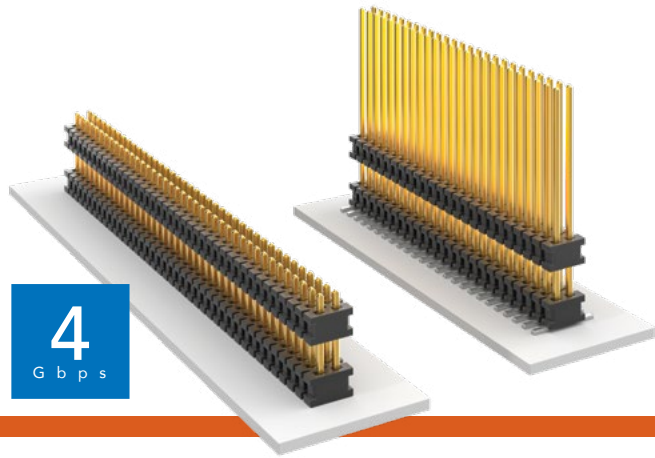
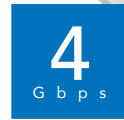




# MICRO BOARD STACKER

(1.27 mm) .050" PITCH • A-FW SERIES



**A-FW**  
Board Mates:  
A-CLP

**FLEX  
STACK**

## SPECIFICATIONS

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Terminal Material:**  
Phosphor Bronze  
**Plating:**  
Sn or Au over 50 μ" (1.27 μm) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C

## PROCESSING

**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max (02-30)  
(0.15 mm) .006" max (31-50)\*  
\*(.004" stencil solution may be available; contact ipg@samtec.com)

## MATED HEIGHT

A-FW LEAD STYLE	A-CLP LEAD STYLE	MATED HEIGHT*
A-FW-XX-03-X-X-233-065	-02	8.13 mm) .329"
A-FW-XX-03-X-X-303-065		9.91 mm) .390"

\*Processing conditions will affect mated height.

## ALSO AVAILABLE

Smaller stack heights  
(MOQ 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.

A-FW	NO. OF PINS PER ROW	LEAD STYLE	PLATING OPTION	D	STACKER HEIGHT	POST HEIGHT	OPTION
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02 thru 50

Specify LEAD STYLE from chart

**-F**  
= Gold flash on post, Matte Tin on tail

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

**-G**  
= 10 μ" (0.25 μm) Gold on post, Gold flash on tail

**-"XXX"**  
= Stacker Height (in inches)

Example:  
-250 = (6.35 mm) .250"

**-"XXX"**  
= Post Height (in inches)

(1.65 mm) .065" minimum

Example:  
-065 = (1.65 mm) .065"

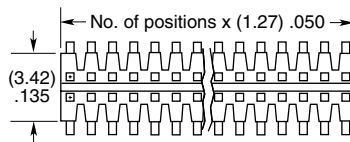
**-ES**  
= End Shroud (-075 post height only. Mates only with A-CLP) (5.46 mm) .215" to (15.49 mm) .610" stacker height only 9 pins/row min.

**-A**  
= Alignment Pin (3 positions min.) (5.46 mm) .215" to (15.75 mm) .620" stacker height only (SMT only)

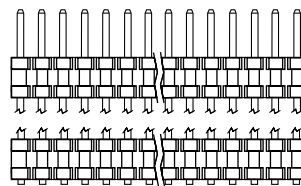
**-P**  
= Pick & Place Pad (5 positions min.) (SMT only)

**-TR**  
= Tape & Reel (Max overall height = Post+Stacker Height+Pad+ Alignment Pin = (17.78) .700") (SMT only)

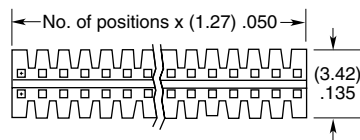
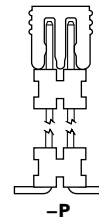
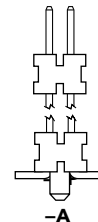
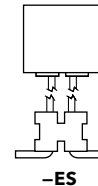
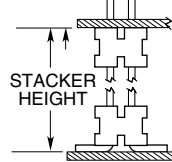
LEAD STYLE	STACKER HEIGHT	STACKER + POST
-03	(5.46) to (8.51) .215 to .335	(7.11) to (10.16) .280 to .400
-05	(8.64) to (15.49) .340 to .610	(10.29) to (17.15) .405 to .675



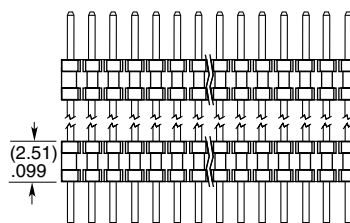
## SURFACE MOUNT



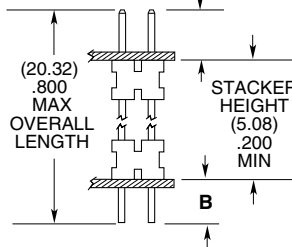
POST HEIGHT (1.65) .065 MIN



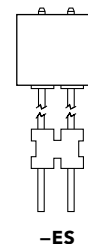
## THROUGH-HOLE



POST HEIGHT (1.65) .065 MIN



LEAD STYLE	TAIL (B)
-01	(1.14) .045
-02	(1.91) .075
-04	(2.29) .090



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

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