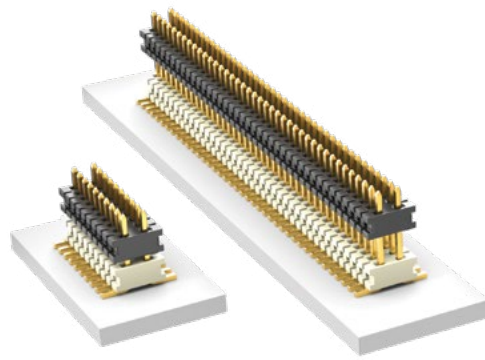


# SMT MICRO BOARD STACKER

(0.80 mm) .0315" PITCH • AW SERIES



**AW**  
Mates:  
CLE

## SPECIFICATIONS

### Insulator Material:

Top: Black LCP  
Bottom: Natural LCP

### Terminal Material:

Phosphor Bronze

### Plating:

Au over 50  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-55 °C to +125 °C

## PROCESSING

### Lead-Free Solderable:

Yes

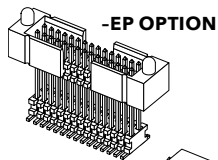
### SMT Lead Coplanarity:

(0.10 mm) .004" max (05-40)

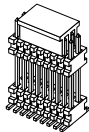
(0.15 mm) .006" max (41-90)\*

\*(.004" stencil solution may be available; contact ipg@samtec.com)

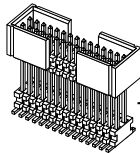
## OPTIONS



### -P OPTION



### -ES OPTION



### 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.

Some lengths, styles and options are non-standard, non-returnable.

| AW | NO. PINS PER ROW | 03 | PLATING OPTION | D | STACKER HEIGHT | POST HEIGHT | OTHER OPTION |
|----|------------------|----|----------------|---|----------------|-------------|--------------|
|----|------------------|----|----------------|---|----------------|-------------|--------------|

05 thru 90

**-G**  
= 10  $\mu$ "  
(0.25  $\mu$ m)  
Gold

**-"XXX"**  
= Stacker Height  
(in inches)  
(3.09 mm)  
.122" to  
(5.84 mm)  
.230"

Example:  
-175  
= (4.45 mm)  
.175"

**-"XXX"**  
= Post Height  
(in inches)  
(1.91 mm)  
.075" minimum

Example:  
-075  
= (1.91 mm)  
.075"

**-ES**  
= End Shroud  
11 pins/row min.  
(-075 Post Height only)

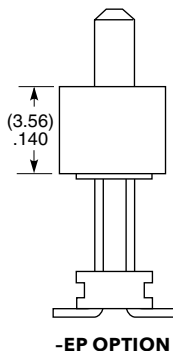
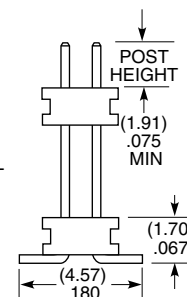
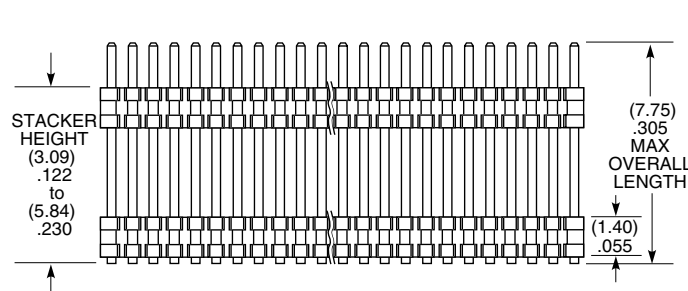
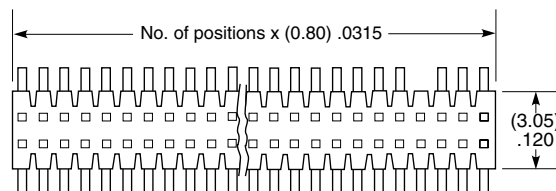
**-EP**  
= End Shroud with Guide Post  
(-075 Post Height only)  
11 pins/row min.

**-A**  
= Alignment Pin  
(4 positions min.)  
(Available for board stacks between  
(4.06 mm) .160" to  
(5.84 mm) .230")  
(Metal or plastic at Samtec discretion.)

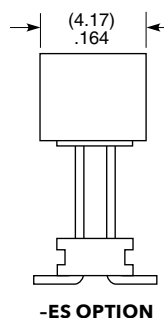
**-P**  
= Pick & Place Pad  
(8 positions min.)

**-TR**  
= Tape & Reel  
(84 positions max.)

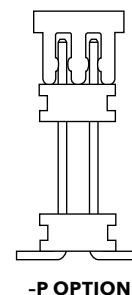
**-FR**  
= Full Reel  
Tape & Reel  
(must order max.  
quantity per reel;  
contact Samtec for  
quantity breaks)  
(84 positions max.)



-EP OPTION



-ES OPTION



-P OPTION