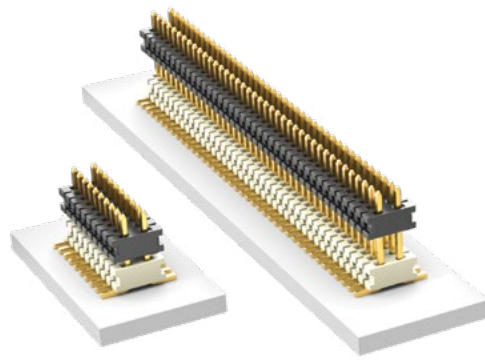


# SMT MICRO BOARD STACKER

(0.80 mm) .0315" PITCH • AW SERIES



**AW**  
Mates:  
CLE

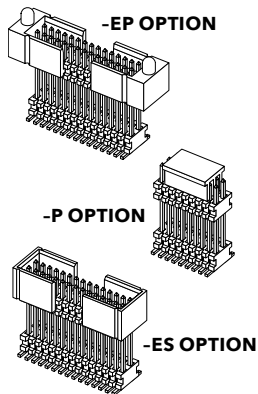
## SPECIFICATIONS

**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



**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<br>PER ROW | 03 | PLATING<br>OPTION                            | D | STACKER<br>HEIGHT                                                                            | POST<br>HEIGHT                                                              | OTHER<br>OPTION                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----|---------------------|----|----------------------------------------------|---|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | 05 thru 90          |    | -G<br>= 10 $\mu$ "<br>(0.25 $\mu$ m)<br>Gold |   | - "XXX"<br>= Stacker<br>Height<br>(in inches)<br>(3.09 mm)<br>.122" to<br>(5.84 mm)<br>.230" | - "XXX"<br>= Post<br>Height<br>(in inches)<br>(1.91 mm)<br>.075"<br>minimum | -ES<br>= End Shroud<br>11 pins/row min.<br>(-.075 Post<br>Height only)<br><br>-EP<br>= End Shroud<br>with Guide Post<br>(-.075 Post<br>Height only)<br>11 pins/row min.                                                                                                                                                                                                                                                                        |
|    |                     |    |                                              |   | Example:<br>-.175<br>= (4.45 mm)<br>.175"                                                    | Example:<br>-.075<br>= (1.91 mm)<br>.075"                                   | -A<br>= Alignment Pin<br>(4 positions min.)<br>(Available for<br>board stacks<br>between<br>(4.06 mm) .160" to<br>(5.84 mm) .230")<br>(Metal or plastic at<br>Samtec discretion.)<br><br>-P<br>= Pick & Place Pad<br>(8 positions min.)<br><br>-TR<br>= Tape & Reel<br>(84 positions max.)<br><br>-FR<br>= Full Reel<br>Tape & Reel<br>(must order max.<br>quantity per reel;<br>contact Samtec for<br>quantity breaks)<br>(84 positions max.) |

