

# FLEX STACK



HW-14-08-G-S-300-100



DW-11-20-T-D-825

## DW, EW, ZW, HW-TH SERIES

(2.54 mm) .100"

# FLEXIBLE .025" SQ BOARD STACKERS

**Mates with:**  
SSW, SSQ, ESW, ESQ, CES, SLW, BSW, BCS, SSM, HLE, PHF

**Cable Mates:**  
IDSS, IDSD

### SPECIFICATIONS

For complete specifications see [www.samtec.com?DW](http://www.samtec.com?DW), [www.samtec.com?EW](http://www.samtec.com?EW), [www.samtec.com?ZW](http://www.samtec.com?ZW) or [www.samtec.com?HW-TH](http://www.samtec.com?HW-TH)

**Insulator Material:**  
DW, EW, ZW: Black Glass Filled Polyester  
HW: Natural Liquid Crystal Polymer

**Terminal Material:**  
Phosphor Bronze

**Plating:**  
Au or Sn over 50 μ" (1.27 μm) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C with Gold  
-55 °C to +105 °C with Tin  
**RoHS Compliant:**  
Yes

**Lead-Free Solderable:**  
DW, EW, ZW:  
No, Lead Wave Only  
HW: Yes

### RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

### ALSO AVAILABLE (MOQ Required)

- Other platings

**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](mailto:ipg@samtec.com) for more information.

This Series is non-standard, non-returnable.

| TYPE STRIP   | NO. PINS PER ROW  | LEAD STYLE    | PLATING OPTION | ROW OPTION | STACKER HEIGHT | OTHER OPTIONS |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
|--|---|---------------|----------------|------------|----------------|---------------|--------------|-----|--------------|-----|--------------|-----|--------------|-----|---------------|-----|---------------|-----|---------------|-----|--------------|-----|--------------|-----|--------------|-----|---------------|-----|---------------|--------------------------|---|---|---|
| <b>DW</b><br>= (2.79 mm) .110" Tail  | <p><b>Specify LEAD STYLE from chart</b></p> <table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>OAL</th> </tr> </thead> <tbody> <tr><td>-07</td><td>(10.92) .430</td></tr> <tr><td>-08</td><td>(13.46) .530</td></tr> <tr><td>-09</td><td>(18.54) .730</td></tr> <tr><td>-10</td><td>(21.08) .830</td></tr> <tr><td>-11</td><td>(23.62) .930</td></tr> <tr><td>-12</td><td>(26.16) 1.030</td></tr> <tr><td>-13</td><td>(31.24) 1.230</td></tr> <tr><td>-14</td><td>(36.32) 1.430</td></tr> <tr><td>-15</td><td>(16.00) .630</td></tr> <tr><td>-16</td><td>(11.30) .445</td></tr> <tr><td>-17</td><td>(12.19) .480</td></tr> <tr><td>-19</td><td>(33.78) 1.330</td></tr> <tr><td>-20</td><td>(28.70) 1.130</td></tr> </tbody> </table> | LEAD STYLE    | OAL            | -07        | (10.92) .430   | -08           | (13.46) .530 | -09 | (18.54) .730 | -10 | (21.08) .830 | -11 | (23.62) .930 | -12 | (26.16) 1.030 | -13 | (31.24) 1.230 | -14 | (36.32) 1.430 | -15 | (16.00) .630 | -16 | (11.30) .445 | -17 | (12.19) .480 | -19 | (33.78) 1.330 | -20 | (28.70) 1.130 | <p><b>01 thru 50</b></p> | <p><b>-S</b><br/>= Single Row</p> <p><b>-D</b><br/>= Double Row</p> <p><b>-T</b><br/>= Triple Row</p> <p><b>-Q</b><br/>= Double Row .200" (5.08 mm) row space</p> | <p><b>-XXX</b><br/>= Stacker Height (in inches) (5.08 mm) .200" minimum<br/>Example: -250 = (6.35 mm) .250"</p> | <p><b>-XXX</b><br/>= ZW or HW Tail Length (in inches) (1.40 mm) .055" minimum<br/>Example: -250 = (6.35 mm) .250"</p> |
| LEAD STYLE   |   | OAL           |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -07  |   | (10.92) .430  |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -08  |   | (13.46) .530  |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -09  |   | (18.54) .730  |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -10  |   | (21.08) .830  |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -11  |   | (23.62) .930  |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -12  |   | (26.16) 1.030 |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -13  |   | (31.24) 1.230 |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -14  |   | (36.32) 1.430 |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -15  | (16.00) .630  |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -16  | (11.30) .445  |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -17  | (12.19) .480  |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -19  | (33.78) 1.330   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| -20  | (28.70) 1.130   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| <b>EW</b><br>= (8.38 mm) .330" Tail  |   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| <b>ZW</b><br>= Custom Tail   |   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| <b>HW</b><br>= High Temp Custom Tail   |   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| <b>-F</b><br>= Gold flash on contact, Matte Tin on tail  |   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| <b>-L</b><br>= 10 μ" (0.25 μm) Gold on contact area of longer tail, Matte Tin on tail  |   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| <b>-G</b><br>= 10 μ" (0.25 μm) Gold on contact area of longer tail, Gold flash on balance  |   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| <b>-T</b><br>= Matte Tin   |   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| <b>-LL</b><br>= Locking Lead (Shortest dimension between the tail and the post is the end that will be crimped. Available on tails from (2.29 mm) .090" to (7.87 mm) .310" only.) Single row, 01 & 02 positions & -Q row not available |   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |
| <b>-XXX</b><br>= Polarized<br>Specify omitted pin position   |   |               |                |            |                |               |              |     |              |     |              |     |              |     |               |     |               |     |               |     |              |     |              |     |              |     |               |     |               |                          |   |   |   |

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

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