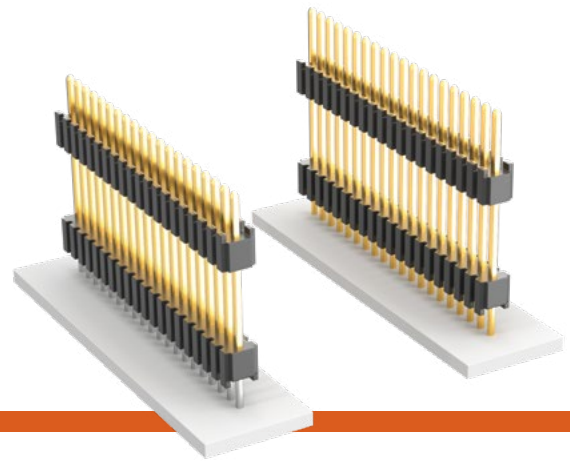


# MICRO BOARD STACKER

(1.27 mm) .050" PITCH • DWM/HDWM SERIES



## DWM/HDWM

### Mates:

SMS, SLM, RSM

## SPECIFICATIONS

### Insulator Material:

Liquid Crystal Polymer

### Terminal Material:

Phosphor Bronze

### Plating:

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

### 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)

## ALSO AVAILABLE

Other Platings  
(MOQ Required)

| DWM | NO. PINS PER ROW | LEAD STYLE                    | PLATING OPTION                                                                                                                                                                    | ROW OPTION                                                 | STACKER HEIGHT                                                           | OTHER OPTION                                                                |
|-----|------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------|
|     | 01 thru 50       | Specify LEAD STYLE from chart | <b>-L</b><br>= 10 $\mu$ "<br>(0.25 $\mu$ m)<br>Gold on contact,<br>Matte Tin on tail<br><br><b>-G</b><br>= 10 $\mu$ "<br>(0.25 $\mu$ m)<br>Gold on contact,<br>Gold flash on tail | <b>-S</b><br>= Single Row<br><br><b>-D</b><br>= Double Row | <b>- "XXX"</b><br>= Stacker Height<br>Example:<br>-200 = (5.08 mm) .200" | <b>- "XXX"</b><br>= Polarized Position<br>(Specify position of omitted pin) |
|     |                  |                               |                                                                                                                                                                                   |                                                            |                                                                          |                                                                             |
|     |                  |                               |                                                                                                                                                                                   |                                                            |                                                                          |                                                                             |
|     |                  |                               |                                                                                                                                                                                   |                                                            |                                                                          |                                                                             |
|     |                  |                               |                                                                                                                                                                                   |                                                            |                                                                          |                                                                             |

| OAL        |               |
|------------|---------------|
| LEAD STYLE | THROUGH-HOLE  |
| -01        | (11.43) .450  |
| -51        | (10.41) .410  |
| -52        | (10.80) .425  |
| -53        | (12.83) .505  |
| -54        | (14.10) .555  |
| -55        | (15.49) .610  |
| -56        | (15.88) .625  |
| -57        | (16.51) .650  |
| -58        | (17.91) .705  |
| -59        | (19.18) .755  |
| -60        | (20.96) .825  |
| -61        | (26.67) 1.050 |

| HDWM | NO. PINS PER ROW | LEAD STYLE                    | PLATING OPTION                                                                                                                                                                    | ROW OPTION                                                 | STACKER HEIGHT                                                           | OTHER OPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 01 thru 50       | Specify LEAD STYLE from chart | <b>-L</b><br>= 10 $\mu$ "<br>(0.25 $\mu$ m)<br>Gold on contact,<br>Matte Tin on tail<br><br><b>-G</b><br>= 10 $\mu$ "<br>(0.25 $\mu$ m)<br>Gold on contact,<br>Gold flash on tail | <b>-S</b><br>= Single Row<br><br><b>-D</b><br>= Double Row | <b>- "XXX"</b><br>= Stacker Height<br>Example:<br>-250 = (6.35 mm) .250" | <b>- "XXX"</b><br>= Polarized Position<br>(Specify position of omitted pin)<br><br><b>- SM</b><br>= Surface Mount<br>(02 thru 40 positions only)<br><br><b>- A</b><br>= Alignment Pin<br>(6 positions minimum -D only)<br>Metal or plastic at Samtec discretion<br>(Not available with -LC)<br><br><b>- LC</b><br>= Locking Clip<br>(5 positions minimum -D only)<br>(Not available with -A)<br>(Manual placement required)<br><br><b>- P</b><br>= Pick & Place Pad |
|      |                  |                               |                                                                                                                                                                                   |                                                            |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|      |                  |                               |                                                                                                                                                                                   |                                                            |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|      |                  |                               |                                                                                                                                                                                   |                                                            |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|      |                  |                               |                                                                                                                                                                                   |                                                            |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### 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.