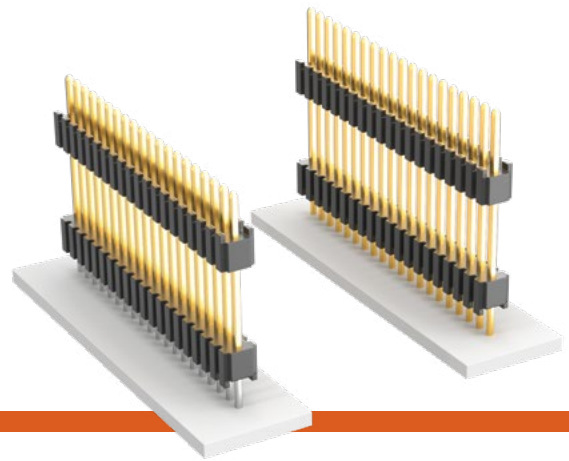


# MICRO BOARD STACKER

(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, Matte Tin on tail<br><br><b>-G</b><br>= 10 $\mu$ "<br>(0.25 $\mu$ m)<br>Gold on contact, 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) |

(1.27) .050 x No. of Positions

(2.48) .098

(4.98) .196

(0.00) .000 MIN

(2.54) .100

(3.05) .120

STACKER HEIGHT (5.08) .200 MIN

OAL

| 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, Matte Tin on tail<br><br><b>-G</b><br>= 10 $\mu$ "<br>(0.25 $\mu$ m)<br>Gold on contact, 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 |

(1.27) .050 x No. of Positions

(2.48) .098

(4.98) .196

(0.00) .000 MIN

(2.54) .100

(3.05) .120

STACKER HEIGHT (5.08) .200 MIN

OAL

STACKER HEIGHT (6.35) .250 MIN

OAL

| OAL        |               |               |
|------------|---------------|---------------|
| LEAD STYLE | THROUGH-HOLE  | SURFACE MOUNT |
| -01        | (11.43) .450  | (8.38) .330   |
| -51        | (10.41) .410  | —             |
| -52        | (10.80) .425  | —             |
| -53        | (12.83) .505  | (9.78) .385   |
| -54        | (14.10) .555  | (11.05) .435  |
| -55        | (15.49) .610  | (12.45) .490  |
| -56        | (15.88) .625  | (12.83) .505  |
| -57        | (16.51) .650  | (13.46) .530  |
| -58        | (17.91) .705  | (14.86) .585  |
| -59        | (19.18) .755  | (15.62) .615  |
| -60        | (20.96) .825  | —             |
| -61        | (26.67) 1.050 | —             |

**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.

# Mouser Electronics

Authorized Distributor

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