

(1,27mm) .050"

DWM, HDWM SERIES



HDWM-20-58-G-S-427

HDWM-24-59-L-S-300-SM

DWM-08-56-L-D-312-SM

DWM-06-54-G-D-360

# MICRO BOARD STACKER

## SPECIFICATIONS

### DWM

For complete specifications  
see [www.samtec.com?DWM](http://www.samtec.com?DWM)

#### Insulator Material:

Top: Black LCP  
Bottom: Natural LCP

#### Terminal Material:

Phosphor Bronze

#### Plating:

Au or Sn over

50µ" (1,27µm) Ni

#### Current Rating:

1A

#### Operating Temp Range:

-55°C to + 105°C with Tin

-55°C to + 125°C with Gold

#### RoHS Compliant:

Yes

### HDWM

For complete specifications  
see [www.samtec.com?HDWM](http://www.samtec.com?HDWM)

Same as DWM except  
not CSA rated.

### Processing:

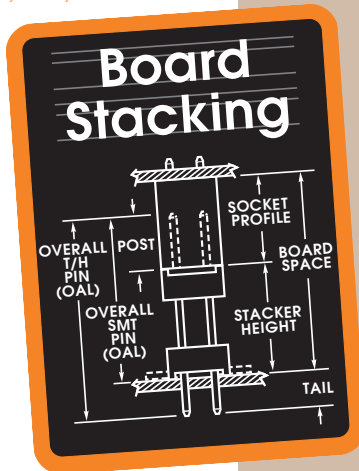
Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,15mm) .006" max

Mates with:  
SMS, SLM, RSM



Variable  
stacker  
height

Ideal for high density  
"skyscraper"  
board stacking

Choice of  
Surface  
mount or  
Through-hole

| TYPE STRIP | NO. PINS PER ROW                                                                     | LEAD STYLE                                 | PLATING OPTION                                                         | ROW OPTION                | STACKER HEIGHT                                                           | OTHER OPTION                                                                                                                                  |
|------------|--------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|            | <b>01 thru 50</b>                                                                    | Specify<br><b>LEAD STYLE</b><br>from chart | <b>-L</b><br>= 10µ" (0,25µm)<br>Gold contact,<br>Matte Tin<br>on tail  | <b>-S</b><br>= Single Row | <b>"XXX"</b><br>= Stacker Height<br>Example:<br>-250 = (6,35mm)<br>.250" | <b>"XXX"</b><br>= Polarized Position<br>(Specify position of omitted pin)                                                                     |
|            |                                                                                      |                                            | <b>-G</b><br>= 10µ" (0,25µm)<br>Gold on post,<br>Gold flash<br>on tail | <b>-D</b><br>= Double Row |                                                                          |                                                                                                                                               |
|            | <b>DWM</b><br>= Standard Board Spacer<br><br><b>HDWM</b><br>= High Temp Board Spacer |                                            |                                                                        |                           |                                                                          | <b>-SM</b><br>= Surface Mount<br>(Requires HDWM.<br>02 thru 40<br>positions only.)                                                            |
|            |                                                                                      |                                            |                                                                        |                           |                                                                          | <b>-A</b><br>= Alignment Pin<br>(Requires HDWM.<br>6 positions min<br>-D only.)<br>Metal or plastic at<br>Samtec discretion<br>(N/A with -LC) |
|            |                                                                                      |                                            |                                                                        |                           |                                                                          | <b>-LC</b><br>= Locking Clip<br>(Requires HDWM.<br>5 positions min.<br>-D only)<br>(N/A with -A)<br>(Manual placement<br>required)            |
|            |                                                                                      |                                            |                                                                        |                           |                                                                          | <b>-P</b><br>= Pick & Place Pad<br>(Requires HDWM)                                                                                            |

| LEAD STYLE | OAL           |               |
|------------|---------------|---------------|
|            | 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 | —             |

Dimensions shown in diagram:  
 (1,27) .050 X No. of Positions  
 (2,48) .098  
 (1,27) .050 TYP  
 (2,54) .100  
 (4,98) .196  
 (0,46) .018 SQ  
 (0,00) .000 MIN  
 (0,51) .020  
 (2,54) .100  
 (3,05) .120  
 (0,51) .020 DIA  
 (1,27) .050 TYP  
 (1,27) .050  
 (6,35) .250 MIN  
 (1,27) .050  
 (6,35) .250 MIN  
 (1,27) .050  
 (6,35) .250 MIN

**Note:** Other Gold plating options available. Contact Samtec.

**Note:** These Series are non-standard, non-returnable.

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

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