



(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:

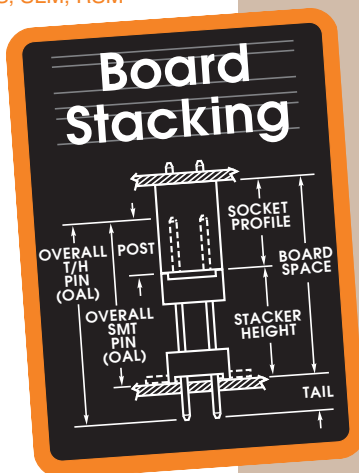
Lead-Free Solderable:

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 <b>LEAD STYLE</b> from chart | <b>-L</b><br>= 10µ" (0,25µm)<br>Gold contact, Matte Tin 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, Gold flash 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. 02 thru 40 positions only.)                                                      |
|            |                                                                                      |                                      |                                                                  |                           |                                                                          | <b>-A</b><br>= Alignment Pin<br>(Requires HDWM. 6 positions min -D only.)<br>Metal or plastic at Samtec discretion (N/A with -LC) |
|            |                                                                                      |                                      |                                                                  |                           |                                                                          | <b>-LC</b><br>= Locking Clip<br>(Requires HDWM. 5 positions min. -D only.)<br>(N/A with -A) (Manual placement 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, (2,54) .100, (3,05) .120, (0,51) .020 DIA.

**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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