



(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:

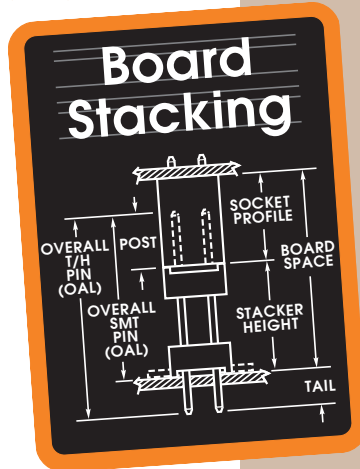
Lead-Free Solderable:

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | 01 thru 50       | Specify LEAD STYLE from chart | <b>-L</b><br>= 10µ" (0,25µm)<br>Gold contact, Matte Tin on tail<br><br><b>-G</b><br>= 10µ" (0,25µm)<br>Gold on post, 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 = (6,35mm) .250" | <b>"XXX"</b><br>= Polarized Position<br>(Specify position of omitted pin)<br><br><b>-SM</b><br>= Surface Mount<br>(Requires HDWM. 02 thru 40 positions only.)<br><br><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)<br><br><b>-LC</b><br>= Locking Clip<br>(Requires HDWM. (5 positions min. -D only) (N/A with -A) (Manual placement required)<br><br><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 | —             |

Diagram illustrating the board stacking configuration with dimensions:

- (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
- STACKER HEIGHT (5,08) .200 MIN
- STACKER HEIGHT (6,35) .250 MIN
- OAL

**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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