



(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:

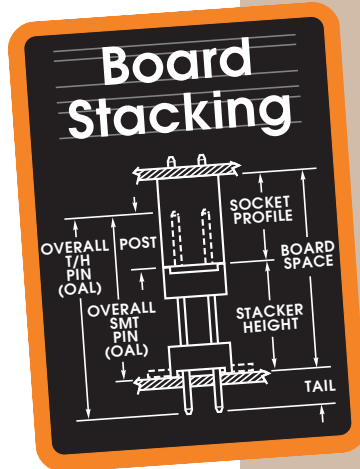
Lead-Free Solderable:

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                                                                                        | -L<br>= 10µ" (0,25µm)<br>Gold contact, Matte Tin on tail<br><br>-G<br>= 10µ" (0,25µm)<br>Gold on post, Gold flash on tail | -S<br>= Single Row<br><br>-D<br>= Double Row | -"XXX"<br>= Stacker Height<br>Example:<br>-250 = (6,35mm) .250" | -"XXX"<br>= Polarized Position<br>(Specify position of omitted pin)<br><br>-SM<br>= Surface Mount<br>(Requires HDWM. 02 thru 40 positions only.)<br><br>-A<br>= Alignment Pin<br>(Requires HDWM. 6 positions min -D only.)<br>Metal or plastic at Samtec discretion (N/A with -LC)<br><br>-LC<br>= Locking Clip<br>(Requires HDWM. (5 positions min. -D only) (N/A with -A) (Manual placement required)<br><br>-P<br>= Pick & Place Pad<br>(Requires HDWM) |
|            | DWM<br>= Standard Board Spacer<br><br>HDWM<br>= High Temp Board Spacer                                                                                                                                                   |                                                                                                                      |                                                                                                                           |                                              |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|            | <p>(1,27) .050 X<br/>No. of Positions<br/>(2,48) .098<br/>(1,27) .050 TYP<br/>(2,54) .100<br/>(4,98) .196<br/>(0,46) .018 SQ<br/>(0,00) .000 MIN<br/>(0,51) .020<br/>(2,54) .100<br/>(3,05) .120<br/>(0,51) .020 DIA</p> | <p>STACKER HEIGHT (5,08) .200 MIN<br/>(1,27) .050 TYP<br/>(1,27) .050<br/>STACKER HEIGHT (6,35) .250 MIN<br/>OAL</p> |                                                                                                                           |                                              |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|            |                                                                                                                                                                                                                          |                                                                                                                      |                                                                                                                           |                                              |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**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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