

**(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:**

**Operating Temp Range:**

**Operating Temp Range:**  
-55°C to +105°C with Tin

-55°C to +125°C

Rot  
Yes

## HDWM

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

Same as DWM except  
not CSA rated.



### Processing:

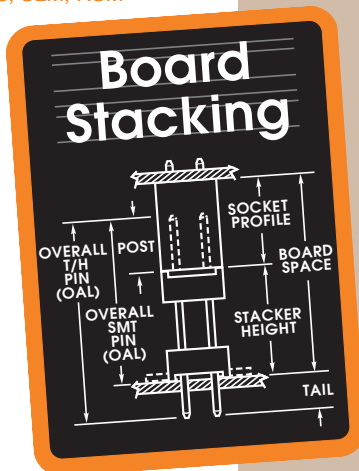
**Lead-Free Solderable:**

Yes

### SMT Lead Coplanarity:

(0,15mm) .006" max

**Mates with:**  
SMS, SLM, RSM

Variable  
stacker  
height

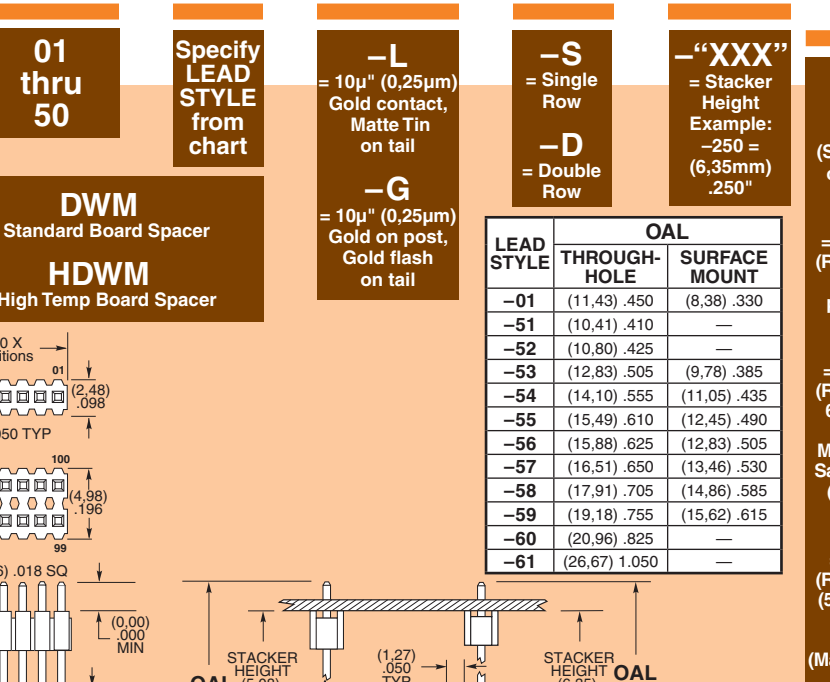
*Ideal for high density  
"skyscraper"  
board stacking*

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 Example:<br>-250 = (6.35mm) .250" | <b>-“XXX”</b><br>= Polarized Position (Specify position of omitted pin)<br><br><b>-SM</b><br>= Surface Mount (Requires HDWM. 02 thru 40 positions only.)<br><br><b>-A</b><br>= Alignment Pin (Requires HDWM. 6 positions min -D only.) Metal or plastic at Samtec discretion (N/A with -LC)<br><br><b>-LC</b><br>= Locking Clip (Requires HDWM. 5 positions min. -D only) (N/A with -A) (Manual placement required)<br><br><b>-P</b><br>= Pick & Place Pad (Requires HDWM) |
|                                                                                     | <b>DWM</b><br>= Standard Board Spacer<br><br><b>HDWM</b><br>= High Temp Board Spacer |                               |                                                                                                                                         |                                                            |                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| 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 | —             |

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

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