

**(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:

**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:

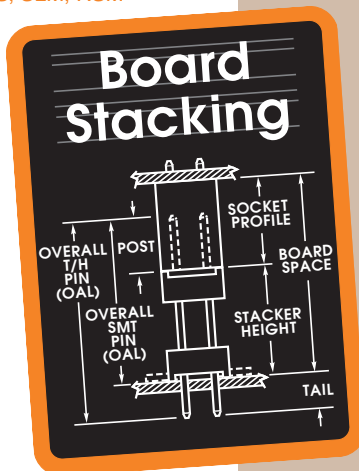
**Lead-Free Solderable:**

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

—L  
= 10μ" (0.25μm)  
Gold contact,  
Matte Tin  
on tail

—G  
= 10μ" (0.25μm)  
Gold on post,  
Gold flash  
on tail

—S  
= Single  
Row

—D  
= Double  
Row

—“XXX”  
= Stacker  
Height  
Example:  
-250 =  
(6.35mm)  
.250"

— “XXX”  
= Polarized  
Position  
(Specify position  
of omitted pin)

— SM  
= Surface Mount  
(Requires HDWM.  
02 thru 40  
positions only.)

— A  
= Alignment Pin  
(Requires HDWM.  
6 positions min  
-D only.)  
Metal or plastic at  
Samtec discretion  
(N/A with -LC)

— LC  
= Locking Clip  
(Requires HDWM.  
5 positions min.  
-D only)  
(N/A with -A)  
(Manual placement  
required)

— P  
= Pick & Place Pad  
(Requires HDWM)

DWM  
= Standard Board Spacer

HDWM  
= High Temp Board Spacer

Top View Dimensions:

- Overall Length: (1.27) .050 X No. of Positions
- Pin Pitch: (1.27) .050 TYP
- Pin Diameter: (0.51) .020 DIA
- Pin Spacing: (0.46) .018 SQ
- Pin Length: (2.54) .100
- Pin Spacing: (2.54) .100
- Pin Spacing: (3.05) .120
- Pin Spacing: (0.51) .020 DIA

Side View Dimensions:

- Pin Height: (2.48) .098
- Pin Height: (4.98) .196
- Pin Height: (0.00) .000 MIN
- Pin Height: (0.51) .020
- Pin Height: (2.54) .100
- Pin Height: (3.05) .120

Stacker Height Dimensions:

- Stacker Height: (5.08) .200 MIN
- Stacker Height: (6.35) .250 MIN

OAL Dimensions:

- OAL: (1.27) .050 TYP
- OAL: (1.27) .050

| 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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