

(1.27 mm) .050"

DWM-20-58-G-S-427

HDWM-24-59-L-S-300-SM

HDWM-08-56-L-D-312-SM

DWM-06-54-G-D-360

**DWM, HDWM SERIES**

# MICRO BOARD STACKER

## SPECIFICATIONS

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

### Insulator Material:

LCP

### Terminal Material:

Phosphor Bronze

### Plating:

Au or Sn over

50  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-55 °C to +105 °C with Tin

-55 °C to +125 °C with Gold

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.15 mm) .006" max\*

\*(.004" stencil solution may be available; contact [IPG@samtec.com](mailto:IPG@samtec.com))

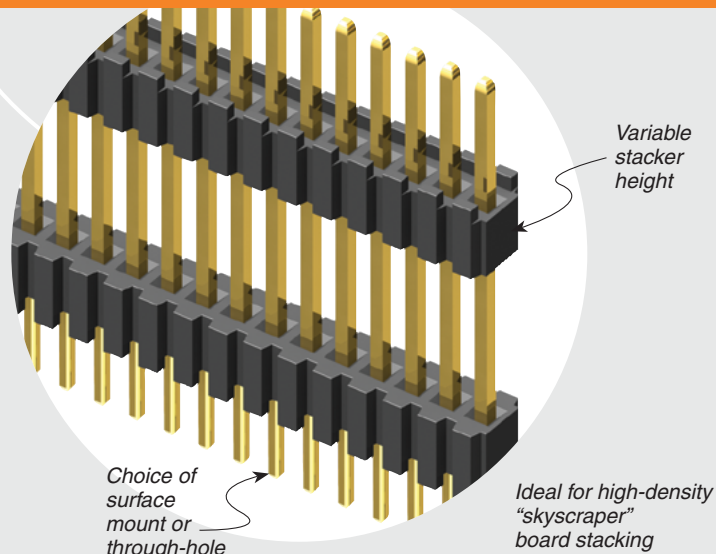
## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

Mates with:  
SMS, SLM, RSM



| 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>= 10 $\mu$ " (0.25 $\mu$ m)<br>Gold contact, Matte Tin on tail<br><br>-G<br>= 10 $\mu$ " (0.25 $\mu$ m)<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 = (6.35 mm) .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) |

| 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 | —             |

Notes:  
For added mechanical stability, Samtec recommends mechanical board spacers be used in applications with gold or selective gold plated connectors. Contact [ipg@samtec.com](mailto:ipg@samtec.com) for more information.

This Series is non-standard, non-returnable.

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.