



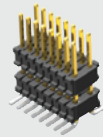
**THE DATASHEET OF  
DWM-04-52-S-S-201-003**



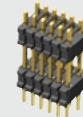
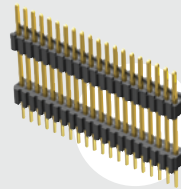
# FLEX STACK

DWM-20-58-G-S-427

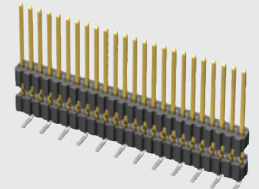
HDWM-24-59-L-S-300-SM



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



DWM-06-54-G-D-360



## DWM, HDWM SERIES

(1.27 mm) .050"

# 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 μm (1.27 μm) Ni

**Operating Temp Range:**  
-55 °C to +105 °C with Tin  
-55 °C to +125 °C with Gold

**RoHS Compliant:**  
Yes

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

### PROCESSING

**Lead-Free Solderable:**  
Yes

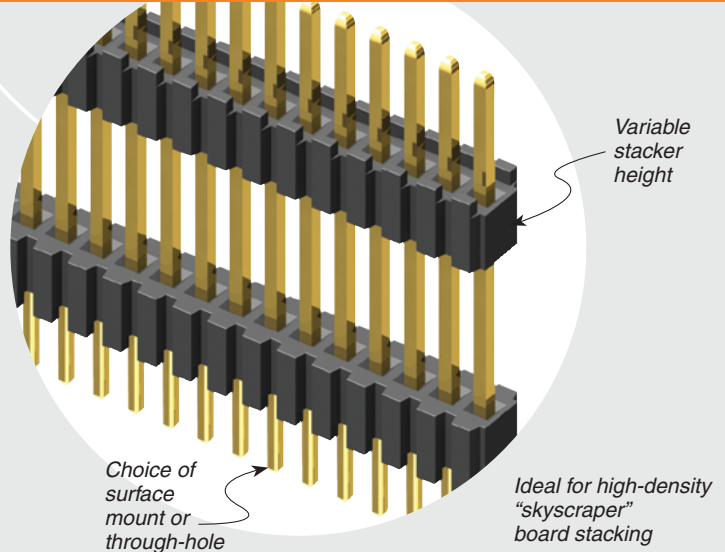
**SMT Lead Coplanarity:**  
(0.15 mm) .006" max\*  
\*(.004" stencil solution may be available; contact [IPG@samtec.com](mailto:IPG@samtec.com))

### RECOGNITIONS

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

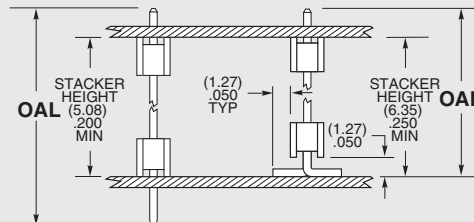
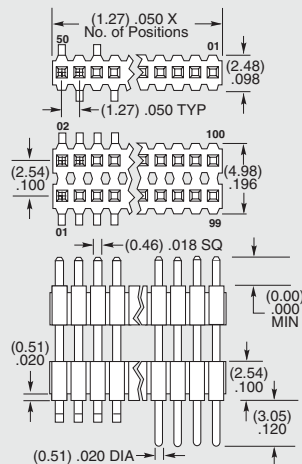


FILE NO. E111594



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 = 10 μm (0.25 μm) Gold contact, Matte Tin on tail  -G = 10 μm (0.25 μm) Gold on post, Gold flash on tail	-S = Single Row  -D = Double Row	-"XXX" = Stacker Height Example: -250 = (6.35 mm) .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)

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	—



### ALSO AVAILABLE (MOQ Required)

- Other platings

**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.

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View DWM-04-52-S-S-201-003 on WIN SOURCE](#)
- ⊖ [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management