

(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

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 v

Rot
Yes

HDWM

For complete specifications
see www.samtec.com?HDWM

Same as DWM except not CSA rated.



Processing:

Processing.

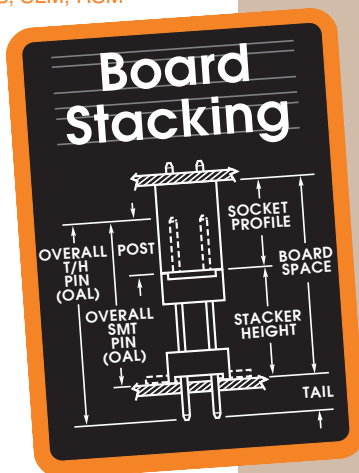
Lead-Free Solderable:

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

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	—

Technical drawings of various lead styles and dimensions:

- Style 01:** Dimensions include (1,27) .050 X No. of Positions, (2,48) .098, (1,27) .050 TYP, (2,54) .100, (4,98) .196, and (0,51) .020.
- Style 02:** Dimensions include (2,54) .100, (4,98) .196, and (0,51) .020.
- Style 100:** Dimensions include (0,51) .020, (2,54) .100, (3,05) .120, and (0,51) .020 DIA.
- Style 99:** Dimensions include (0,51) .020, (2,54) .100, (3,05) .120, and (0,51) .020 DIA.
- Style 018 SQ:** Dimensions include (0,46) .018 SQ, (0,00) .000 MIN, (2,54) .100, (3,05) .120, and (0,51) .020 DIA.

Technical drawings of stacker height configurations and dimensions:

- Stacker Height (5,08) .200 MIN:** Shows a component mounted on a board with a stacker height dimension of (5,08) .200 MIN.
- Stacker Height (6,35) .250 MIN:** Shows a component mounted on a board with a stacker height dimension of (6,35) .250 MIN.
- OAL Dimensions:** Shows overall assembly length (OAL) dimensions for different configurations, including (1,27) .050 TYP and (1,27) .050.

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

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