

(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

HDWMM

For complete specifications
see www.samtec.com?HDWM

Same as DWM except not CSA rated.



Processing:

Processing.

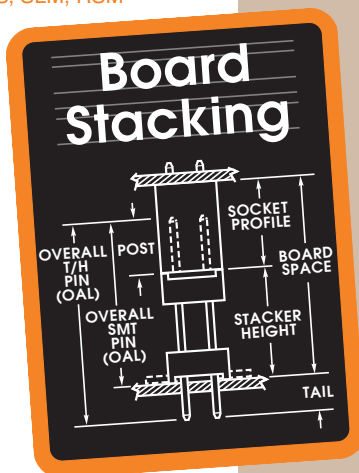
Lead-Free Solderable:

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 DIA.
- Style 02:** Dimensions include (2,54) .100, (4,98) .196, and (0,51) .020 DIA.
- Style 100:** Dimensions include (0,51) .020 DIA, (2,54) .100, (3,05) .120, and (0,00) .000 MIN.
- Style 99:** Dimensions include (0,51) .020 DIA, (2,54) .100, (3,05) .120, and (0,00) .000 MIN.
- Style 018 SQ:** Dimensions include (0,46) .018 SQ, (0,51) .020 DIA, (2,54) .100, (3,05) .120, and (0,00) .000 MIN.

Technical drawings of stacker height configurations and dimensions:

- Stacker Height (5,08) .200 MIN:** Shows a single row configuration with dimensions (1,27) .050 TYP and (1,27) .050.
- Stacker Height (6,35) .250 MIN:** Shows a double row configuration with dimensions (1,27) .050 TYP and (1,27) .050.
- OAL (Overall Assembly Length):** Indicated for both configurations.

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

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