



**THE DATASHEET OF
DWM-06-55-S-D-318**



MICRO BOARD STACKER

(1.27 mm) .050" PITCH • DWM/HDWM SERIES



DWM/HDWM

Mates:
SMS, SLM, RSM

SPECIFICATIONS

Insulator Material:
Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
Au or Sn over 50 μ" (1.27 μm) Ni
Operating Temp Range:
-55 °C to +105 °C with Tin
-55 °C to +125 °C with Gold

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.15 mm) .006" max*
*(.004" stencil solution may be available; contact ipg@samtec.com)

ALSO AVAILABLE

Other Platings
(MOQ Required)

| DWM | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | STACKER HEIGHT | OTHER OPTION |
|-----|------------------|-------------------------------|---|------------------------------------|---|--|
| | 01 thru 50 | Specify LEAD STYLE from chart | -L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail -G = 10 μ" (0.25 μm) Gold on contact, Gold flash on tail | -S = Single Row -D = Double Row | - "XXX" = Stacker Height Example: -200 = (5.08 mm) .200" | - "XXX" = Polarized Position (Specify position of omitted pin) |

| OAL | |
|------------|---------------|
| LEAD STYLE | THROUGH-HOLE |
| -01 | (11.43) .450 |
| -51 | (10.41) .410 |
| -52 | (10.80) .425 |
| -53 | (12.83) .505 |
| -54 | (14.10) .555 |
| -55 | (15.49) .610 |
| -56 | (15.88) .625 |
| -57 | (16.51) .650 |
| -58 | (17.91) .705 |
| -59 | (19.18) .755 |
| -60 | (20.96) .825 |
| -61 | (26.67) 1.050 |

| HDWM | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | STACKER HEIGHT | OTHER OPTION |
|------|------------------|-------------------------------|---|------------------------------------|---|---|
| | 01 thru 50 | Specify LEAD STYLE from chart | -L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail -G = 10 μ" (0.25 μm) Gold on contact, 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 (02 thru 40 positions only) - A = Alignment Pin (6 positions minimum -D only) Metal or plastic at Samtec discretion (Not available with -LC) - LC = Locking Clip (5 positions minimum -D only) (Not available with -A) (Manual placement required) - P = Pick & Place Pad |



| OAL | | |
|------------|---------------|---------------|
| LEAD STYLE | 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 for more information.

This Series is non-standard, non-returnable.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View DWM-06-55-S-D-318 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