

**FLEX  
STACK**

(1.00 mm) .0394"

**MW SERIES**

# SMT MICRO BOARD HEADER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MW](http://www.samtec.com?MW)

### Insulator Material:

Top: Black LCP  
Bottom: Natural LCP

### Terminal Material:

Phosphor Bronze

### Operating Temp Range:

-55 °C to +125 °C

### Plating:

Au over 50 μ" (1.27 μm) Ni

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max (02-30)  
(0.15 mm) .006" max (31-50)\*

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

## RECOGNITIONS

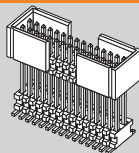
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



Mates with:  
CLM, MLE

## ALSO AVAILABLE (MOQ Required)

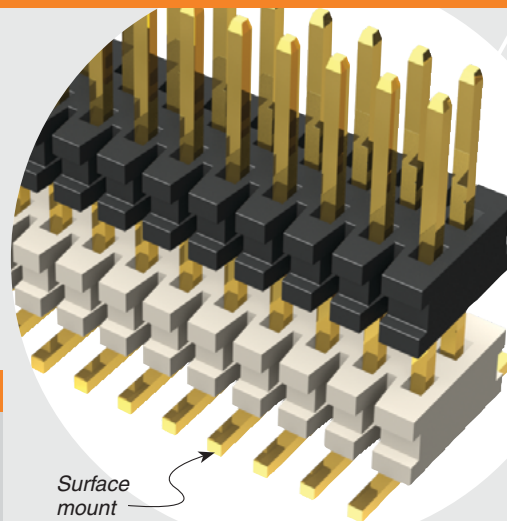
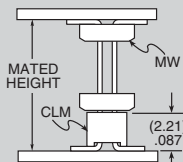
- End shrouds
- End shrouds with guide posts



## APPLICATIONS

| EXAMPLES   |     | MATED HEIGHT* |
|------------|-----|---------------|
| LEAD STYLE | CLM |               |
| -163-065   | -02 | (6.35) .250   |
| -233-065   |     | (8.13) .320   |

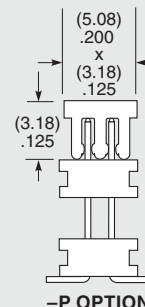
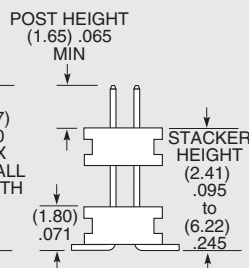
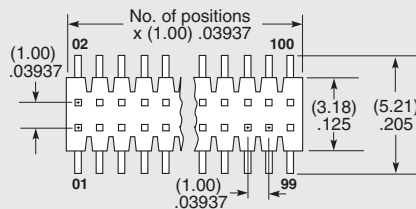
\*Processing conditions will affect mated height.



Available with optional end shrouds and pick-and-place pads

Surface mount

| MW | NO. PINS PER ROW | 03 | PLATING OPTION               | D | STACKER HEIGHT                                                               | POST HEIGHT                                                                                       | OPTION                                                                                                                                                                   |
|----|------------------|----|------------------------------|---|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                  |    |                              |   |                                                                              |                                                                                                   |                                                                                                                                                                          |
|    | 02 thru 50       |    | -G<br>= 10 μ" (0.25 μm) Gold |   | -“XXX”<br>= Stacker Height (in inches)<br>(2.41 mm) .095" to (6.22 mm) .245" | -“XXX”<br>= Post Height (in inches)<br>(1.65 mm) .065" minimum<br>Example: -065 = (1.65 mm) .065" | -A<br>= Alignment Pin (5 positions minimum)<br>Metal or plastic at Samtec's discretion<br><br>-P<br>= Pick & Place Pad (7 positions minimum)<br><br>-TR<br>= Tape & Reel |



### 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.