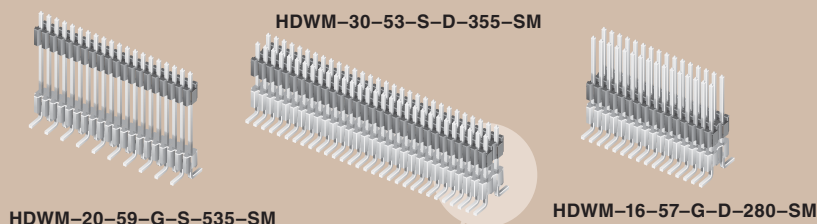




Surface  
**SMT**  
Mount

# BOARD STACKER HDWM SERIES



## SPECIFICATIONS

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

### 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:

-55°C to + 105°C with Tin

-55°C to + 125°C with Gold

### RoHS Compliant:

Yes

### Processing:

#### Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

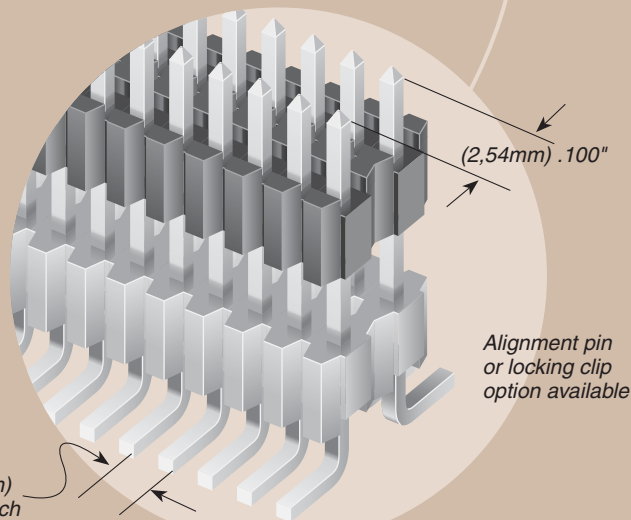
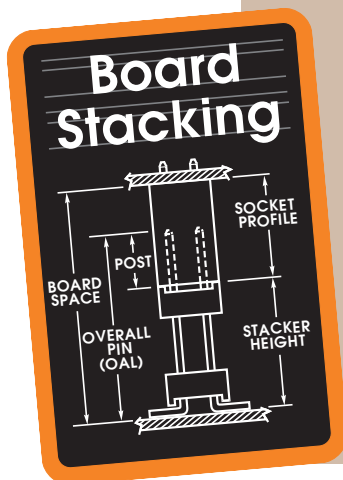
#### Lead-Free Solderable:

Yes

#### SMT Lead Coplanarity:

.006" (0,15mm) max

Mates with:  
SMS, SLM, RSM



Alignment pin  
or locking clip  
option available

| HDWM       | NO. PINS PER ROW | LEAD STYLE                    | PLATING OPTION                                                                                                                          | ROW OPTION                                                 | STACKER HEIGHT                                                         | SM                                                                                                                                                                                                                                                   | OTHER OPTION |
|------------|------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 02 thru 40 |                  | Specify LEAD STYLE from chart | <b>-G</b><br>= 10µ" (0,25µm)<br>Gold on post, Gold flash on tail<br><br><b>-S</b><br>= 30µ" (0,76µm)<br>Gold on post, Matte Tin on tail | <b>-S</b><br>= Single Row<br><br><b>-D</b><br>= Double Row | <b>-“XXX”</b><br>= Stacker Height<br>Example:<br>-250 = (6,35mm) .250" | <b>-“XXX”</b><br>= Polarized<br><br><b>-A</b><br>= Alignment Pin (6 positions minimum -D only.)<br>Metal or plastic at Samtec's discretion<br><br><b>-LC</b><br>= Locking Clip (5 positions minimum. -D only)<br><br><b>-P</b><br>= Pick & Place Pad |              |

| LEAD STYLE | OAL          |
|------------|--------------|
| -01        | (8,38) .330  |
| -53        | (9,78) .385  |
| -54        | (11,05) .435 |
| -55        | (12,45) .490 |
| -56        | (12,83) .505 |
| -57        | (13,46) .530 |
| -58        | (14,86) .585 |
| -59        | (15,62) .615 |

**Note:** This Series is non-standard, non-returnable.

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

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SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047  
 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299  
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 SAMTEC INDIA • Tel: +91-80-3272 1612 • Fax: +91-80-4152 8187  
 SAMTEC TAIWAN • Tel: 886-2-2735-6109 • Fax: 886-2-2735-5036  
 SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745