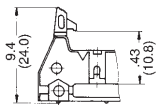
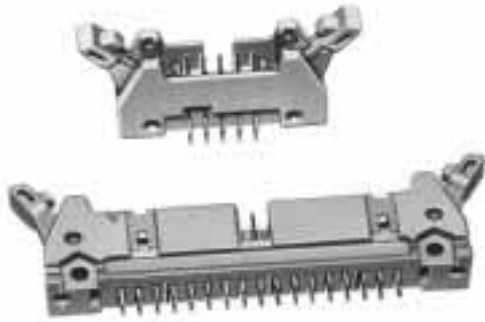
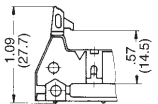


**Series 050  
Headers**

**10 to 64 contact headers  
compatible with:  
DIN 41651,  
MIL-C-83503**

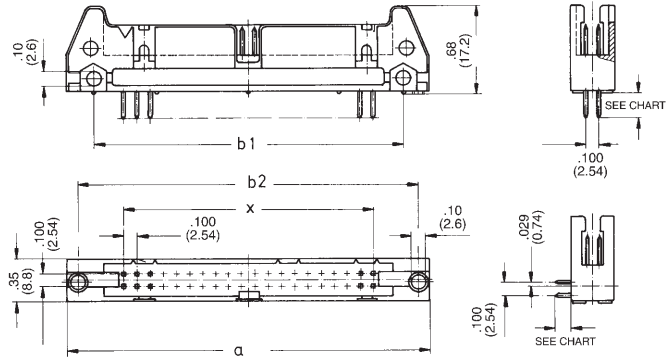


Short locking latches for  
LAT-CON™ sockets with  
and without strain relief.



Long locking latches for  
LAT-CON™ sockets with  
strain relief.

**Wave Solder**



**Dimensions**

|           | 10               | 14               | 16               | 20               | 26                | 34                | 40                | 50                | 60                | 64                |
|-----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| <b>a</b>  | 1.27"<br>(32.3)  | 1.47"<br>(37.3)  | 1.57"<br>(39.9)  | 1.76"<br>(44.7)  | 2.06"<br>(52.3)   | 2.46"<br>(62.5)   | 2.76"<br>(70.1)   | 3.26"<br>(82.8)   | 3.76"<br>(95.5)   | 3.96"<br>(100.6)  |
| <b>b1</b> | .86"<br>(21.8)   | 1.06"<br>(26.9)  | 1.16"<br>(29.5)  | 1.36"<br>(34.5)  | 1.66"<br>(42.2)   | 2.06"<br>(52.3)   | 2.36"<br>(59.9)   | 2.86"<br>(72.6)   | 3.36"<br>(85.3)   | 3.46"<br>(90.4)   |
| <b>b2</b> | 1.10"<br>(27.9)  | 1.30"<br>(33.0)  | 1.40"<br>(35.5)  | 1.60"<br>(40.6)  | 1.90"<br>(48.3)   | 2.30"<br>(58.4)   | 2.60"<br>(66.0)   | 3.10"<br>(78.7)   | 3.60"<br>(91.4)   | 3.80"<br>(96.5)   |
| <b>x</b>  | .400"<br>(10.16) | .600"<br>(15.24) | .700"<br>(17.78) | .900"<br>(22.86) | 1.200"<br>(30.48) | 1.600"<br>(40.64) | 1.900"<br>(48.26) | 2.400"<br>(60.96) | 2.900"<br>(73.66) | 3.100"<br>(78.74) |

**PCB Layout**

**Compliant Pin**

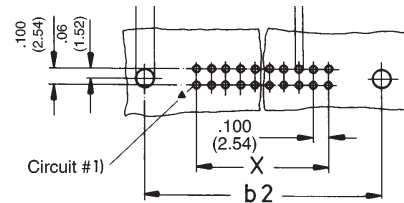
P.C.B. thickness . . . . . 1.6 – 3.2 mm  
 Finished hole size . . . . . 0.94 – 1.09 mm  
 Drill size . . . . . 1.15 ± 0.01 mm  
 Copper . . . . . 25 – 76 µm  
 Tin-lead . . . . . min. 76 µm

## Series 050 Headers



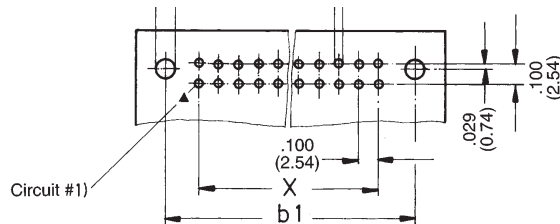
### Printed Circuit Layout - Straight

Wave Solder

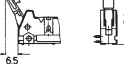
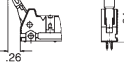


### Printed Circuit Layout - Angled

Wave Solder



### Part numbers

| No. of contacts 10, 14, 16, 20, 26, 34, 40, 50, 60, 64                              |                      | □□ = Number of Circuits |                   |                 |
|-------------------------------------------------------------------------------------|----------------------|-------------------------|-------------------|-----------------|
| Style                                                                               | Termination          | Tail Length             | Plating Thickness |                 |
|                                                                                     |                      |                         | 30μ" Au           | 15μ" Au         |
|  | Wave solder angled   | .177 (4.5 mm)           | 050-0 □□ - 032    | 050-0 □□ - 052  |
|                                                                                     |                      | .114 (2.9 mm)           | 050-0 □□ - 033    | 050-0 □□ - 053  |
|  | Wave solder straight | .177 (4.5 mm)           | 050-0 □□ - 132    | 050-0 □□ - 152  |
|                                                                                     |                      | .114 (2.9 mm)           | 050-0 □□ - 133    | 050-0 □□ - 153  |
|  | Wave solder angled   | .177 (4.5 mm)           | 050-0 □□ - 032A   | 050-0 □□ - 052A |
|                                                                                     |                      | .114 (2.9 mm)           | 050-0 □□ - 033A   | 050-0 □□ - 053A |
|  | Wave solder straight | .177 (4.5 mm)           | 050-0 □□ - 132A   | 050-0 □□ - 152A |
|                                                                                     |                      | .114 (2.9 mm)           | 050-0 □□ - 133A   | 050-0 □□ - 153A |
|  | Wave solder angled   | .177 (4.5 mm)           | 050-0 □□ - 032B   | 050-0 □□ - 052B |
|                                                                                     |                      | .114 (2.9 mm)           | 050-0 □□ - 033B   | 050-0 □□ - 053B |
|  | Wave solder straight | .177 (4.5 mm)           | 050-0 □□ - 132B   | 050-0 □□ - 152B |
|                                                                                     |                      | .114 (2.9 mm)           | 050-0 □□ - 133B   | 050-0 □□ - 153B |

\*Contact Factory For Press-Fit/Compliant Pin Options & Tooling