



# Mini-Universal MATE-N-LOK Connectors (Continued)

## Right Angle PC Board Pin Headers

Centerline spacing — 4.14 [.163]

**Material**

**Housing** — Nylon, white color

**Flammability Rating** — LL94V-0

**Contacts** — Brass

**Solder tail diameter** — 1.00 [.039]

**Related Product Data**

**Product Specification**

108-1694 Mini-Universal MATE-N-LOK Headers

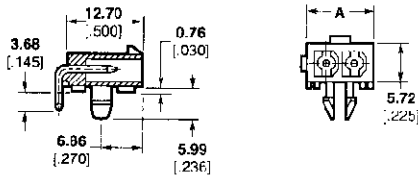
**Performance Characteristics** — pages 395 and 396

**Recommended PC Board Hole Layout** — page 401

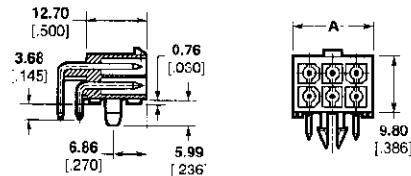
**Technical Documents** — page 395

### With Board Lock Feature

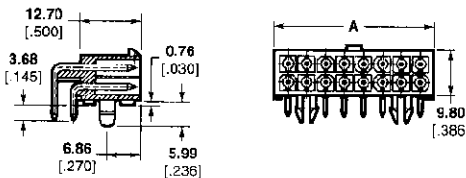
#### 1, 2 and 3 Circuit, In-Line



#### 4, 6, 8, 10 and 12 Circuit, Dual Row



#### 14, 16, 18, 20, 22 and 24 Circuit, Dual Row



| Number of Circuits | Style    | A Dim.         | Pin Finish            | Pin Header Part Number with Board Lock | Mates with Plug Housing Part Number (Using Socket Contacts) |
|--------------------|----------|----------------|-----------------------|--|---|
| 1                  | —        | 5.72<br>.225   | Tin-Lead <sup>1</sup> | 794374-1                               | 172164-1  |
|                    |          |                | Duplex <sup>2</sup>   | 794374-2                               |   |
| 2                  | In-line  | 9.86<br>.388   | Tin-Lead <sup>1</sup> | 770966-1                               | 172165-1  |
|                    |          |                | Duplex <sup>2</sup>   | 770966-2                               |   |
| 3                  | In-line  | 14.00<br>.551  | Tin-Lead <sup>1</sup> | 770967-1                               | 172166-1  |
|                    |          |                | Duplex <sup>2</sup>   | 770967-2                               |   |
| 4                  | Dual Row | 9.86<br>.388   | Tin-Lead <sup>1</sup> | 770968-1                               | 172167-1  |
|                    |          |                | Duplex <sup>2</sup>   | 770968-2                               |   |
| 6                  | Dual Row | 14.00<br>.551  | Tin-Lead <sup>1</sup> | 770969-1                               | 172168-1  |
|                    |          |                | Duplex <sup>2</sup>   | 770969-2                               |   |
| 8                  | Dual Row | 18.14<br>.714  | Tin-Lead <sup>1</sup> | 770970-1                               | 770579-1  |
|                    |          |                | Duplex <sup>2</sup>   | 770970-2                               |   |
| 10                 | Dual Row | 22.28<br>.877  | Tin-Lead <sup>1</sup> | 770971-1                               | 770580-1  |
|                    |          |                | Duplex <sup>2</sup>   | 770971-2                               |   |
| 12                 | Dual Row | 26.42<br>1.040 | Tin-Lead <sup>1</sup> | 770972-1                               | 770581-1  |
|                    |          |                | Duplex <sup>2</sup>   | 770972-2                               |   |
| 14                 | Dual Row | 30.56<br>1.203 | Tin-Lead <sup>1</sup> | 770973-1                               | 770582-1  |
|                    |          |                | Duplex <sup>2</sup>   | 770973-2                               |   |
| 16                 | Dual Row | 34.70<br>1.366 | Tin-Lead <sup>1</sup> | 770974-1                               | 770583-1  |
|                    |          |                | Duplex <sup>2</sup>   | 770974-2                               |   |
| 18                 | Dual Row | 38.84<br>1.529 | Tin-Lead <sup>1</sup> | 794105-1                               | 770584-1  |
|                    |          |                | Duplex <sup>2</sup>   | 794105-2                               |   |
| 20                 | Dual Row | 42.98<br>1.692 | Tin-Lead <sup>1</sup> | 794106-1                               | 770585-1  |
|                    |          |                | Duplex <sup>2</sup>   | 794106-2                               |   |
| 22                 | Dual Row | 47.12<br>1.855 | Tin-Lead <sup>1</sup> | 794107-1                               | 770586-1  |
|                    |          |                | Duplex <sup>2</sup>   | 794107-2                               |   |
| 24                 | Dual Row | 51.26<br>2.018 | Tin-Lead <sup>1</sup> | 794108-1                               | 770587-1  |
|                    |          |                | Duplex <sup>2</sup>   | 794108-2                               |   |

<sup>1</sup>Tin-Lead Finish — Plated with .00381 [.000150] min. tin-lead over .00127 [.000050] min. nickel underplate on entire contact.

<sup>2</sup>Duplex Finish — Plated with .000762 [.000030] min. gold in mating area and matte tin-lead on solder tail end over .00127 [.000050] min. nickel underplate on entire contact.