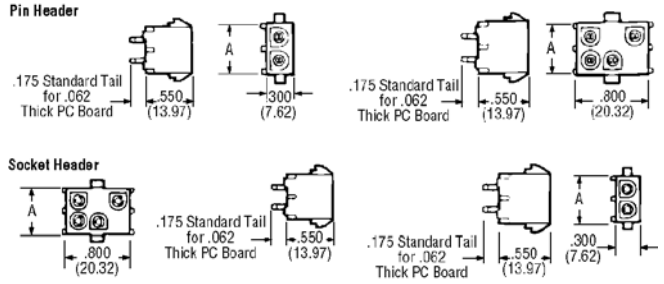


PC Board Mount Vertical Headers



► Plating: 1 — Pre-Tin; 2 — 30 μ" Gold in Mating Area

Vertical Pin Headers  
In-Line Style

| Stock No. | Mfr.'s Type | No. of Pos. | Plating | Housing Material | Dimensions A (In.) | Mates With* | EACH  |         |
|-----------|-------------|-------------|---------|------------------|--------------------|-------------|-------|---------|
|           |             |             |         |                  |                    |             | 1-499 | 500-999 |
| 512-3060  | 350428-1    | 2           | 1       | UL 94V-2         | 0.550 (13.97)      | 1-480698-0  | .27   | .24     |
| 512-3073  | 350786-1    | 2           | 1       | UL 94V-0         | 0.550 (13.97)      | 350777-1    | .44   | .40     |
| 512-3065  | 350429-1    | 3           | 1       | UL 94V-2         | 0.800 (20.32)      | 1-480700-0  | .35   | .31     |
| 512-3074  | 350789-1    | 3           | 1       | UL 94V-0         | 0.800 (20.32)      | 350766-1    | .54   | .49     |
| 512-3070  | 350430-1    | 4           | 1       | UL 94V-2         | 1.050 (26.67)      | 1-480702-0  | .45   | .41     |
| 512-3106  | 350792-1    | 4           | 1       | UL 94V-0         | 1.050 (26.67)      | 350779-1    | .64   | .57     |
| 512-3075  | 640466-1    | 5           | 1       | UL 94V-2         | 1.300 (33.02)      | 1-480763-0  | .69   | .62     |
| 512-3107  | 640900-1    | 5           | 1       | UL 94V-0         | 1.300 (33.02)      | 350809-1    | 1.02  | .92     |
| 512-3108  | 641832-1    | 6           | 1       | UL 94V-2         | 1.550 (39.37)      | 640585-1    | 1.61  | 1.45    |
| 512-3109  | 641825-1    | 8           | 1       | UL 94V-2         | 2.050 (52.07)      | 640586-1    | 1.78  | 1.60    |

\*Mates with plug housing part number using socket contacts.

Vertical Pin Headers (continued)

| Stock No. | Mfr.'s Type | No. of Pos. | Plating | Housing Material | Dimensions A (In.) | Mates With* | EACH  |         |
|-----------|-------------|-------------|---------|------------------|--------------------|-------------|-------|---------|
|           |             |             |         |                  |                    |             | 1-499 | 500-999 |
| 512-3080  | 350431-1    | 6           | 1       | UL 94V-2         | 0.550 (13.97)      | 1-480704-0  | .44   | .40     |
| 512-3112  | 350431-2    | 6           | 2       | UL 94V-2         | 0.550 (13.97)      | 1-480704-0  | 3.49  | 3.14    |
| 512-3113  | 350711-1    | 6           | 1       | UL 94V-0         | 0.550 (13.97)      | 350715-1    | 1.05  | .95     |
| 512-3085  | 350432-1    | 9           | 1       | UL 94V-2         | 0.800 (20.32)      | 1-480706-0  | .81   | .73     |
| 512-3116  | 350432-2    | 9           | 2       | UL 94V-2         | 0.800 (20.32)      | 1-480706-0  | 4.26  | 3.84    |
| 512-3117  | 350712-1    | 9           | 1       | UL 94V-0         | 0.800 (20.32)      | 350720-1    | .98   | .88     |
| 512-3090  | 350433-1    | 12          | 1       | UL 94V-2         | 1.050 (26.67)      | 1-480708-0  | .98   | .88     |
| 512-3118  | 350713-1    | 12          | 1       | UL 94V-0         | 1.050 (26.67)      | 350735-1    | 1.19  | 1.07    |
| 512-3095  | 350434-1    | 15          | 1       | UL 94V-2         | 1.300 (33.02)      | 1-480710-0  | 1.07  | .96     |
| 512-3121  | 350714-1    | 15          | 1       | UL 94V-0         | 1.300 (33.02)      | 350736-1    | 1.49  | 1.34    |

\*Mates with plug housing part number using socket contacts.

Vertical Socket Headers  
In-Line Style

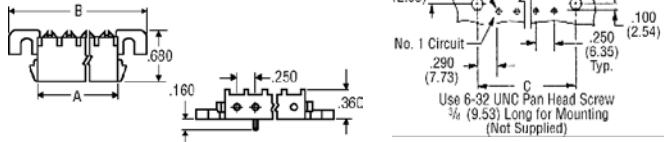
| Stock No. | Mfr.'s Type | No. of Pos. | Plating | Housing Material | Dimensions A (In.) | Mates With† | EACH  |         |
|-----------|-------------|-------------|---------|------------------|--------------------|-------------|-------|---------|
|           |             |             |         |                  |                    |             | 1-499 | 500-999 |
| 512-3130  | 350759-4    | 2           | 1       | UL 94V-2         | 0.550 (13.97)      | 1-480698-0  | .38   | .34     |
| 512-3135  | 350760-4    | 3           | 1       | UL 94V-2         | 0.800 (20.32)      | 1-480700-0  | .63   | .57     |
| 512-3122  | 350825-1    | 3           | 1       | UL 94V-0         | 0.800 (20.32)      | 350766-1    | .51   | .46     |
| 512-3140  | 350761-4    | 4           | 1       | UL 94V-2         | 1.050 (26.67)      | 1-480702-0  | .43   | .39     |
| 512-3123  | 350826-1    | 4           | 1       | UL 94V-0         | 1.050 (26.67)      | 350779-1    | .69   | .62     |

Matrix Style

|          |          |    |   |          |               |            |      |      |
|----------|----------|----|---|----------|---------------|------------|------|------|
| 512-3150 | 350762-4 | 6  | 1 | UL 94V-2 | 0.550 (13.97) | 1-480704-0 | .66  | .59  |
| 512-3124 | 350827-1 | 6  | 1 | UL 94V-0 | 0.550 (13.97) | 350715-1   | .94  | .84  |
| 512-3155 | 350763-4 | 9  | 1 | UL 94V-2 | 0.800 (20.32) | 1-480706-0 | .76  | .68  |
| 512-3127 | 350828-1 | 9  | 1 | UL 94V-0 | 0.800 (20.32) | 350720-1   | 1.04 | .94  |
| 512-3160 | 350764-4 | 12 | 1 | UL 94V-2 | 1.050 (26.67) | 1-480708-0 | 1.10 | .99  |
| 512-3165 | 350765-4 | 15 | 1 | UL 94V-2 | 1.300 (33.02) | 1-480710-0 | 2.25 | 2.03 |

†Mates with plug housing part number using pin contacts.

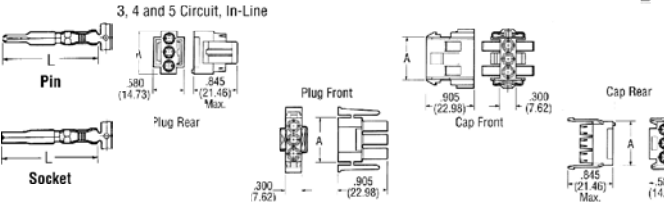
Right-Angle Pin Headers



► For 0.062 PC Board Thickness  
Housing: UL 94V-0 Rated, Nylon (White)

► Contact Plating: 1 — Pre-Tin; 2 — 30 μ" Gold in Mating Area

Universal MATE-N-LOK® II Connectors



- Housing Kits
- FREE Hanging or Panel Mount (Kit = 1 Front and 1 Rear)
- Ultimate Reliability
- Not for Interrupting Current
- For Use Where Repair or Replacement Would Be Difficult
- UL File No. E28476
- CSA File No. LR 16455-113
- 0.250 Centerline Spacing

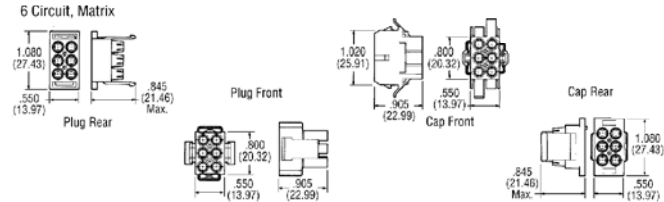
Plug Housing Kits\*

| Stock No. | Mfr.'s Type | No. of Pos. | Layout  | Dim. A (In.) | EACH |         |         |
|-----------|-------------|-------------|---------|--------------|------|---------|---------|
|           |             |             |         |              | 1-99 | 100-499 | 500-999 |
| 512-8800  | 770017-1    | 2           | In-line | —            | .50  | .45     | .38     |
| 512-8802  | 770018-1    | 3           | In-line | 0.800        | .55  | .49     | .41     |
| 512-8804  | 770019-1    | 4           | In-line | 1.050        | .62  | .56     | .47     |
| 512-8806  | 770020-1    | 6           | Matrix  | —            | .71  | .64     | .53     |
| 512-8808  | 770021-1    | 9           | Matrix  | 0.800        | .75  | .68     | .56     |
| 512-8810  | 770022-1    | 12          | Matrix  | 1.050        | 1.11 | 1.00    | .84     |
| 512-8812  | 770023-1    | 15          | Matrix  | 1.300        | 1.10 | 1.00    | .82     |

Cap Housing Kits\*

|          |          |    |         |       |      |      |      |
|----------|----------|----|---------|-------|------|------|------|
| 512-8814 | 770024-1 | 2  | In-line | —     | .51  | .46  | .38  |
| 512-8816 | 770025-1 | 3  | In-line | 0.800 | .61  | .55  | .46  |
| 512-8818 | 770026-1 | 4  | In-line | 1.050 | .66  | .60  | .50  |
| 512-8820 | 770027-1 | 6  | Matrix  | —     | .69  | .63  | .52  |
| 512-8822 | 770028-1 | 9  | Matrix  | 0.800 | .74  | .67  | .56  |
| 512-8824 | 770029-1 | 12 | Matrix  | 1.050 | 1.51 | 1.36 | 1.13 |
| 512-8826 | 770030-1 | 15 | Matrix  | 1.300 | 1.05 | .94  | .78  |

\*Housing Material: UL 94V-0.



Contacts — Pre-Tinned Brass

| Stock No. | Mfr.'s Type | Style  | For Wire AWG | Ins. Dia. Range (In.) | Dim. L (In.) | PK./100 |       |
|-----------|-------------|--------|--------------|-----------------------|--------------|---------|-------|
|           |             |        |              |                       |              | 1-4     | 5-9   |
| 512-8828  | 770252-1    | Pin    | 24-18        | .040-.100             | 1.005        | 12.08   | 10.87 |
| 512-8830  | 770253-3†   | Socket | 24-18        | .040-.100             | 0.980        | 13.71   | 12.34 |
| 512-8832  | 770250-1    | Pin    | 20-14        | .060-.130             | 1.005        | 9.57    | 8.53  |
| 512-8834  | 770251-3†   | Socket | 20-14        | .060-.130             | 0.980        | 14.42   | 12.97 |
| 512-8836  | 770248-1    | Pin    | 20-14        | .130-.200             | 0.995        | 15.91   | 14.32 |
| 512-8838  | 770249-3†   | Socket | 20-14        | .130-.200             | 0.970        | 19.24   | 17.32 |
| 512-8840  | 770246-3†   | Pin    | 12-10        | .200 max.             | 1.005        | 25.48   | 22.93 |
| 512-8842  | 770247-3†   | Socket | 12-10        | .200 max.             | 0.980        | 25.48   | 22.93 |

Contacts — Gold Over Brass\*\*

|          |           |        |       |           |       |        |        |
|----------|-----------|--------|-------|-----------|-------|--------|--------|
| 512-8844 | 770252-2  | Pin    | 24-18 | .040-.100 | 1.005 | 55.40  | 49.86  |
| 512-8846 | 770253-4† | Socket | 24-18 | .040-.100 | 0.980 | 86.45  | 77.81  |
| 512-8848 | 770250-2  | Pin    | 20-14 | .060-.130 | 1.005 | 55.40  | 49.86  |
| 512-8850 | 770251-4† | Socket | 20-14 | .060-.130 | 0.980 | 90.98  | 81.89  |
| 512-8852 | 770246-4† | Pin    | 12-10 | .200 max. | 1.005 | 120.84 | 108.75 |
| 512-8854 | 770247-4† | Socket | 12-10 | .200 max. | 0.980 | 122.49 | 110.24 |

†Contact Material: Phosphor bronze. \*\*30 μ" of gold over mating area.

Tooling

| Stock No. | Mfr.'s Type | Description                                                            | EACH   |
|-----------|-------------|------------------------------------------------------------------------|--------|
| 512-9160  | 455830-1    | Contact insertion tool                                                 | 23.46  |
| 512-9007  | 90548-1     | For contacts on 24-18 AWG wire PRO-CRIMPER™ II 0.040"-0.100" ins. dia. | 182.14 |
| 512-9009  | 90546-1     | For contacts on 20-14 AWG wire PRO-CRIMPER™ II 0.060"-0.130" ins. dia. | 182.14 |