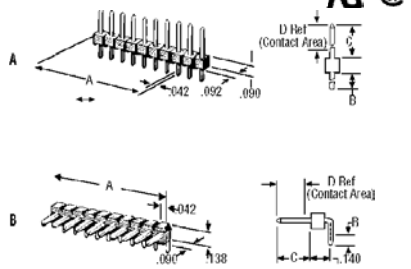


## Headers and Shunts

## Breakaway Headers — Unshrouded Single Row, .100" Centers

UL Recognized, CSA Certified. **Housing:** Black thermoplastic. **Posts:** Copper Alloy.

## .025 Square Straight Post — Fig. A

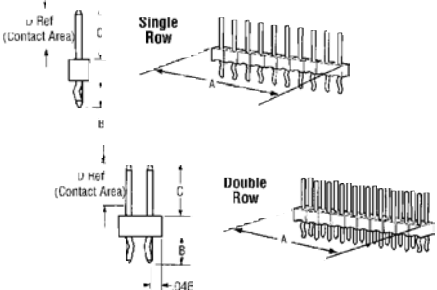
| Stock No. | Mfr.'s Type | No. of Pos. | Dimensions |      |      |      | Plating Code* | EACH |      |
|-----------|-------------|-------------|------------|------|------|------|---------------|------|------|
|           |             |             | A          | B    | C    | D    |               | 1-99 | 100† |
| 512-1700  | 103185-1    | 1           | .084       | .120 | .230 | .185 | 2             | .08  | .07  |
| 512-1726  | 103239-2    | 2           | .184       | .120 | .230 | .185 | 1             | .14  | .12  |
| 512-1728  | 103185-2    | 2           | .184       | .120 | .230 | .185 | 2             | .14  | .12  |
| 512-1703  | 102972-2    | 2           | .184       | .125 | .318 | .200 | 2             | .15  | .13  |
| 512-1736  | 103321-2    | 2           | .184       | .125 | .318 | .200 | 3             | .12  | .10  |
| 512-1738  | 103239-3    | 3           | .284       | .120 | .230 | .185 | 1             | .18  | .16  |
| 512-1740  | 103185-3    | 3           | .284       | .120 | .230 | .185 | 2             | .16  | .14  |
| 512-1742  | 103327-3    | 3           | .284       | .120 | .230 | .185 | 3             | .21  | .19  |
| 512-1704  | 102976-3    | 3           | .284       | .125 | .318 | .200 | 1             | .22  | .20  |
| 512-1705  | 102972-3    | 3           | .284       | .125 | .318 | .200 | 2             | .21  | .19  |
| 512-1748  | 103321-3    | 3           | .284       | .125 | .318 | .200 | 3             | .21  | .19  |
| 512-1708  | 103185-4    | 4           | .384       | .120 | .230 | .185 | 2             | .29  | .26  |
| 512-1713  | 103185-5    | 5           | .484       | .120 | .230 | .185 | 2             | .30  | .27  |
| 512-1764  | 4-103239-0  | 40          | 3.984      | .120 | .230 | .185 | 1             | .93  | .74  |
| 512-1766  | 4-103185-0  | 40          | 3.984      | .120 | .230 | .185 | 2             | .90  | .72  |
| 512-1771  | 4-103327-0  | 40          | 3.984      | .120 | .230 | .185 | 3             | .77  | .69  |
| 512-1768  | 4-102976-0  | 40          | 3.984      | .125 | .318 | .200 | 1             | .82  | .74  |
| 512-1770  | 4-102972-0  | 40          | 3.984      | .125 | .318 | .200 | 2             | .80  | .72  |
| 512-1772  | 4-103321-0  | 40          | 3.984      | .125 | .318 | .200 | 3             | .77  | .69  |

## .025 Square Right-Angle Post — Fig. B

| Stock No. | Mfr.'s Type | No. of Pos. | Dimensions |      |      |      | Plating Code* | EACH |      |
|-----------|-------------|-------------|------------|------|------|------|---------------|------|------|
|           |             |             | A          | B    | C    | D    |               | 1-99 | 100† |
| 512-1777  | 4-103148-0  | 40          | 3.984      | .120 | .230 | .185 | 1             | .91  | .82  |
| 512-1716  | 4-103325-0  | 40          | 3.984      | .120 | .130 | .185 | 2             | .87  | .78  |
| 512-1773  | 4-103329-0  | 40          | 3.984      | .120 | .230 | .185 | 3             | .82  | .74  |
| 512-1775  | 4-102978-0  | 40          | 3.984      | .110 | .318 | .200 | 1             | .91  | .83  |
| 512-1776  | 4-102974-0  | 40          | 3.984      | .110 | .318 | .200 | 2             | .87  | .78  |
| 512-1778  | 4-103323-0  | 40          | 3.984      | .110 | .318 | .200 | 3             | .82  | .74  |

\*Contact Plating: 1=Duplex C—.000030 gold on contact area, .000100-.000200 tin-lead on solder area, with entire post underplated .000050 nickel; 2=Duplex D—.000015 gold on contact area, .000100—.000200 tin-lead on solder area, with entire post underplated .000050 nickel; 3=Tin-Lead/Nickel—.000100-.000200 tin-lead over .000050 nickel on entire post.

## Retention Headers — Unshrouded Single and Double Row .100" × .100" Centers



## .025 Square Straight Post — Single Row

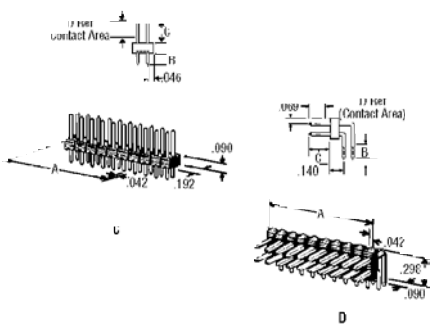
| Stock No. | Mfr.'s Type | No. of Pos. | Dimensions |      |      |      | Plating Code* | EACH |      |
|-----------|-------------|-------------|------------|------|------|------|---------------|------|------|
|           |             |             | A          | B    | C    | D    |               | 1-99 | 100† |
| 512-1755  | 104344-1    | 3           | .284       | .120 | .230 | .185 | 1             | .23  | .21  |
| 512-1757  | 104346-1    | 3           | .284       | .120 | .230 | .185 | 3             | .21  | .19  |
| 512-1761  | 104345-2    | 4           | .384       | .120 | .230 | .185 | 2             | .25  | .22  |

## .025 Square Straight Post — Double Row

|          |          |   |      |      |      |      |   |     |     |
|----------|----------|---|------|------|------|------|---|-----|-----|
| 512-1762 | 104350-1 | 2 | .084 | .120 | .230 | .185 | 1 | .17 | .16 |
|----------|----------|---|------|------|------|------|---|-----|-----|

\*Contact Plating: 1=Duplex C—.000030 gold on contact area, .000100-.000200 tin-lead on solder area, with entire post underplated .000050 nickel; 2=Duplex D—.000015 gold on contact area, .000100—.000200 tin-lead on solder area, with entire post underplated .000050 nickel; 3=Tin-Lead/Nickel—.000100-.000200 tin-lead over .000050 nickel on entire post.

## Breakaway Headers — Unshrouded Double Row, .100" × .100" Centers



## .025 Square Straight Post — Fig. C

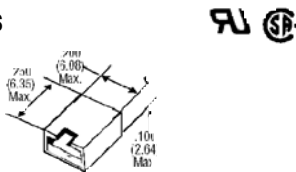
| Stock No. | Mfr.'s Type | No. of Pos. | Dimensions |      |      |      | Plating Code* | EACH |      |
|-----------|-------------|-------------|------------|------|------|------|---------------|------|------|
|           |             |             | A          | B    | C    | D    |               | 1-99 | 100† |
| 512-1717  | 103328-1    | 2           | .084       | .120 | .230 | .185 | 3             | .07  | .06  |
| 512-1719  | 102977-1    | 2           | .084       | .125 | .318 | .200 | 1             | .16  | .13  |
| 512-1780  | 103240-2    | 4           | .184       | .120 | .230 | .185 | 1             | .27  | .25  |
| 512-1782  | 103322-2    | 4           | .184       | .125 | .318 | .200 | 3             | .18  | .17  |
| 512-1724  | 103240-3    | 6           | .284       | .120 | .230 | .185 | 1             | .35  | .32  |
| 512-1725  | 103186-3    | 6           | .284       | .120 | .230 | .185 | 2             | .33  | .30  |
| 512-1727  | 103328-3    | 6           | .284       | .120 | .230 | .185 | 3             | .32  | .28  |
| 512-1732  | 103322-3    | 6           | .284       | .125 | .318 | .200 | 3             | .32  | .28  |
| 512-1790  | 103240-4    | 8           | .384       | .120 | .230 | .185 | 1             | .47  | .43  |
| 512-1733  | 103328-4    | 8           | .384       | .120 | .230 | .185 | 3             | .42  | .38  |
| 512-1735  | 103240-5    | 10          | .484       | .120 | .230 | .185 | 1             | .59  | .53  |
| 512-1787  | 103186-5    | 10          | .484       | .120 | .230 | .185 | 2             | .55  | .49  |
| 512-1800  | 103328-5    | 10          | .484       | .120 | .230 | .185 | 3             | .53  | .47  |
| 512-1802  | 102977-5    | 10          | .484       | .125 | .318 | .200 | 1             | .59  | .54  |
| 512-1739  | 102973-5    | 10          | .484       | .125 | .318 | .200 | 2             | .55  | .49  |
| 512-1741  | 103322-5    | 10          | .484       | .125 | .318 | .200 | 3             | .53  | .47  |
| 512-1743  | 103328-6    | 12          | .584       | .120 | .230 | .185 | 3             | .63  | .57  |
| 512-1744  | 103240-7    | 14          | .684       | .120 | .230 | .185 | 1             | .83  | .75  |
| 512-1745  | 103186-7    | 14          | .684       | .120 | .230 | .185 | 2             | .77  | .69  |
| 512-1746  | 103328-7    | 14          | .684       | .120 | .230 | .185 | 3             | .74  | .66  |
| 512-1747  | 103240-8    | 16          | .784       | .120 | .230 | .185 | 1             | .95  | .85  |
| 512-1749  | 103186-8    | 16          | .784       | .120 | .230 | .185 | 2             | .88  | .79  |
| 512-1816  | 103328-8    | 16          | .784       | .120 | .230 | .185 | 3             | .84  | .76  |
| 512-1751  | 103240-9    | 18          | .884       | .120 | .230 | .185 | 1             | 1.06 | .96  |
| 512-1752  | 1-103240-0  | 20          | .784       | .120 | .230 | .185 | 1             | 1.18 | 1.06 |
| 512-1822  | 1-103186-0  | 20          | .984       | .120 | .230 | .185 | 2             | 1.10 | .99  |
| 512-1753  | 1-103328-0  | 20          | .984       | .120 | .230 | .185 | 3             | 1.05 | .95  |
| 512-1826  | 1-102973-0  | 20          | .984       | .125 | .318 | .200 | 2             | 1.10 | .99  |
| 512-1830  | 1-102973-3  | 26          | 1.284      | .125 | .318 | .200 | 2             | 1.42 | 1.29 |
| 512-1838  | 2-103186-0  | 40          | 1.984      | .120 | .230 | .185 | 2             | 2.19 | 1.97 |
| 512-1840  | 2-102977-0  | 40          | 1.984      | .125 | .318 | .200 | 1             | 2.37 | 2.13 |
| 512-1848  | 2-102973-5  | 50          | 2.484      | .125 | .318 | .200 | 2             | 2.74 | 2.48 |
| 512-1853  | 4-103240-0  | 80          | 3.984      | .120 | .230 | .185 | 1             | 4.43 | 1.30 |
| 512-1854  | 4-103186-0  | 80          | 3.984      | .120 | .230 | .185 | 2             | 1.47 | 1.34 |
| 512-1856  | 4-103328-0  | 80          | 3.984      | .120 | .230 | .185 | 3             | 1.41 | 1.27 |
| 512-1858  | 4-102977-0  | 80          | 3.984      | .125 | .318 | .200 | 1             | 1.59 | 1.43 |
| 512-1859  | 4-102973-0  | 80          | 3.984      | .125 | .318 | .200 | 2             | 1.47 | 1.33 |
| 512-1860  | 4-103322-0  | 80          | 3.984      | .125 | .318 | .200 | 3             | 1.41 | 1.27 |

## .025 Square Straight Post — Fig. D

|          |            |    |       |      |      |      |   |      |      |
|----------|------------|----|-------|------|------|------|---|------|------|
| 512-1882 | 4-103149-0 | 80 | 3.984 | .120 | .230 | .185 | 1 | 2.08 | 1.87 |
| 512-1881 | 4-103326-0 | 80 | 3.984 | .120 | .230 | .185 | 2 | 1.98 | 1.78 |
| 512-1883 | 4-103330-0 | 80 | 3.984 | .120 | .230 | .185 | 3 | 1.88 | 1.70 |
| 512-1884 | 4-102979-0 | 80 | 3.984 | .110 | .318 | .200 | 1 | 2.08 | 1.87 |
| 512-1885 | 4-103324-0 | 80 | 3.984 | .110 | .318 | .200 | 3 | 1.88 | 1.70 |

\*Contact Plating: 1=Duplex C—.000030 gold on contact area, .000100-.000200 tin-lead on solder area, with entire post underplated .000050 nickel; 2=Duplex D—.000015 gold on contact area, .000100—.000200 tin-lead on solder area, with entire post underplated .000050 nickel; 3=Tin-Lead/Nickel—.000100-.000200 tin-lead over .000050 nickel on entire post.

## Post Shunts



## ► One-Piece Contact Construction

## ► High Normal Forces

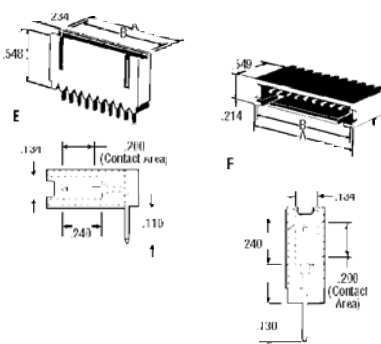
## ► 94V-0 Rated Housings

## ► Underwriters Laboratories Inc., File No. E28476; A CSA Certified File No. LR 16455

Two-position, low profile shunts.

| Stock No. | Mfr.'s Type | Switch Type With Slot | Contact Plating | PER SET/10 |         |
|-----------|-------------|-----------------------|-----------------|------------|---------|
|           |             |                       |                 | 1-99       | 100-499 |
| 512-7074  | 531230-3    | .200 Centerline       | 30 µ Gold       | 5.09       | 4.58    |
| 512-7075  | 531230-1    | .200 Centerline       | Tin             | 3.74       | 3.36    |

## Standard Profile Headers Single Row Headers — Shrouded .100" Centers



## .025 Sq. Straight Post (with Standoffs) — Fig. E

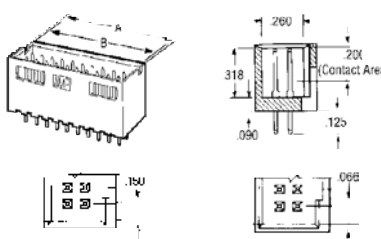
| Stock No. | Mfr.'s Type | No. of Pos. | Dimensions |       | Plating Code* | EACH |      |
|-----------|-------------|-------------|------------|-------|---------------|------|------|
|           |             |             | A          | B     |               | 1-99 | 100† |
| 512-1767  | 3-102202-4  | 3           | .420       | .340  | 2             | .81  | .73  |
| 512-2601  | 102202-1    | 4           | .520       | .440  | 2             | .84  | .76  |
| 512-2602  | 102202-2    | 5           | .620       | .540  | 2             | 1.02 | .92  |
| 512-2603  | 102202-3    | 6           | .720       | .640  | 2             | 1.07 | .98  |
| 512-2604  | 102202-4    | 7           | .820       | .740  | 2             | 1.04 | 1.65 |
| 512-2605  | 102202-5    | 8           | .920       | .840  | 2             | 1.18 | 1.06 |
| 512-2606  | 102202-7    | 10          | 1.120      | 1.040 | 2             | 1.29 | 1.16 |
| 512-2607  | 102202-9    | 12          | 1.320      | 1.240 | 2             | 2.38 | 2.14 |
| 512-2608  | 1-102202-1  | 14          | 1.520      | 1.440 | 2             | 1.57 | 1.45 |

## .025 Square Right-Angle Post (with Standoffs) — Fig. F

|          |            |   |      |      |   |      |     |
|----------|------------|---|------|------|---|------|-----|
| 512-1769 | 3-102203-4 | 3 | .420 | .340 | 2 | .84  | .76 |
| 512-2614 | 102203-1   | 4 | .520 | .440 | 2 | .93  | .84 |
| 512-2616 | 102203-3   | 6 | .720 | .640 | 2 | 1.07 | .96 |

Contact Plating: 1=Duplex C—.000030 gold on contact area, .000100-.000200 tin-lead on solder area, with entire post underplated .000050 nickel; 2=Duplex D—.000015 gold on contact area, .000100—.000200 tin-lead on solder area, with entire post underplated .000050 nickel; 3=Tin-Lead/Nickel—.000100-.000200 tin-lead over .000050 nickel on entire post.

## Standard Profile Headers — Shrouded Straight, Double Row, .100" × .100 Centers



## .025 Square Straight Post — .066 End Dimension

| Stock No. | Mfr.'s Type | No. of Pos. | Dimensions |      | Plating Code* | EACH |      |
|-----------|-------------|-------------|------------|------|---------------|------|------|
|           |             |             | A          | B    |               | 1-99 | 100† |
| 512-2802  | 102618-1    | 6           | .412       | .332 | 2             | .68  | .62  |
| 512-2804  | 103168-2    | 8           | .512       | .432 | 1             | 1.69 | 1.53 |
| 512-2806  | 102618-2    | 8           | .512       | .432 | 2             | .88  | .80  |
| 512-2808  | 103168-3    | 10          | .612       | .532 | 1             | 1.25 | 1.12 |
| 512-2810  | 102618-3    | 10          | .612       | .532 | 2             | .92  | .83  |
| 512-2812  | 103168-4    | 12          | .712       | .632 | 1             | 2.42 | 2.20 |
| 512-2814  | 102618-4    | 12          | .712       | .632 | 2             | 1.08 | .97  |
| 512-2816  | 103168-5    | 14          | .812       | .732 | 1             | 1.63 | 1.47 |