

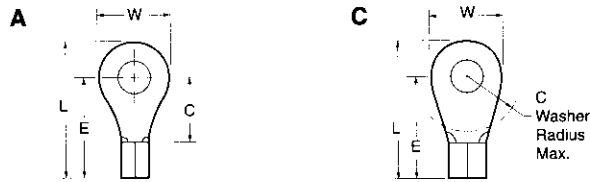
### Electronics

### Ring Tongue Terminals

#### Material and Finish:

**Terminal Body**—Copper per ASTM B-152

**Plating**—Tin per MIL-T-10727



#### Military Specification M7928/7

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Stud<br>Size | Style | Dimensions    |               |               |               | Material<br>Thickness<br>Max. | Wire Barrel<br>I.D. Min. | Class | M7928/7<br>Dash<br>Number | Part<br>Number        |
|--|--------------|-------|---------------|---------------|---------------|---------------|-------------------------------|--------------------------|-------|---------------------------|-----------------------|
|  |              |       | L<br>Max.     | E<br>Max.     | C<br>Min.     | W             |                               |                          |       |                           |                       |
| 22-16<br>509-3,260<br>[0.26-1.65]                | 2<br>M2      | A     | .449<br>11.40 | .337<br>8.56  | .156<br>3.96  | .218<br>5.54  | .033<br>0.84                  | .061<br>1.55             | 2     | 1                         | 34103<br>2-34103-1    |
|  | 4            | A     | .449<br>11.40 | .337<br>8.56  | .156<br>3.96  | .218<br>5.54  | .033<br>0.84                  | .061<br>1.55             | 2     | 2                         | 34104*<br>2-34104-6   |
|  | 6<br>M3.5    | A     | .621<br>15.77 | .462<br>11.73 | .281<br>7.14  | .312<br>7.92  | .033<br>0.84                  | .061<br>1.55             | 2     | 3                         | 34110*<br>2-34110-3   |
|  | 10           | A     | .621<br>15.77 | .462<br>11.73 | .281<br>7.14  | .312<br>7.92  | .033<br>0.84                  | .061<br>1.55             | 2     | 4                         | 34112*<br>2-34112-2   |
|  | 5/16<br>M8   | A     | .856<br>21.74 | .618<br>15.70 | .437<br>11.10 | .469<br>11.91 | .033<br>0.84                  | .061<br>1.55             | 2     | 5                         | 34114*<br>2-34114-2   |
|  | 3/8          | A     | .995<br>25.27 | .727<br>18.47 | .546<br>13.87 | .531<br>13.49 | .033<br>0.84                  | .061<br>1.55             | 2     | 6                         | 34115*<br>2-34115-2   |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | 4            | A     | .480<br>12.19 | .352<br>8.94  | .171<br>4.34  | .250<br>6.35  | .033<br>0.84                  | .085<br>2.16             | 2     | 11                        | 34119*<br>2-34119-1   |
|  | 6<br>M3.5    | A     | .590<br>14.99 | .431<br>10.95 | .250<br>6.35  | .312<br>7.92  | .033<br>0.84                  | .085<br>2.16             | 2     | 7                         | 321684*<br>2-321684-1 |
|  | 10           | A     | .669<br>16.99 | .510<br>12.95 | .250<br>6.35  | .312<br>7.92  | .033<br>0.84                  | .085<br>2.16             | 1 & 2 | 8                         | 320093<br>2-320093-1  |
|  | 5/16<br>M8   | A     | .855<br>21.72 | .618<br>15.70 | .437<br>11.10 | .469<br>11.91 | .033<br>0.84                  | .085<br>2.16             | 2     | 9                         | 34125*<br>2-34125-6   |
|  | 3/8          | A     | .995<br>25.27 | .727<br>18.47 | .546<br>13.87 | .531<br>13.49 | .033<br>0.84                  | .085<br>2.16             | 2     | 10                        | 34126*<br>2-34126-2   |

**Note:** Part numbers are shown as loose piece over tape mounted product.  
\* Part numbers are available in small quantity packages.

#### Military Specification MS20659

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Stud<br>Size | Style          | Dimensions     |                |               |               | Material<br>Thickness<br>Max. | Wire Barrel<br>I.D. Min. | Class      | MS20659<br>Dash<br>Number | Part<br>Number        |
|--|--------------|----------------|----------------|----------------|---------------|---------------|-------------------------------|--------------------------|------------|---------------------------|-----------------------|
|  |              |                | L<br>Max.      | E<br>Max.      | C             | W             |                               |                          |            |                           |                       |
| 12-10<br>5,180-13,100<br>[2.62-6.64]             | 6<br>M3.5    | A              | .630<br>16.00  | .487<br>12.37  | .219<br>5.56  | .281<br>7.14  | .042<br>1.07                  | .129<br>3.28             | 2          | 165                       | 35476*<br>2-35476-1   |
|  | 10           | A              | .765<br>19.43  | .575<br>14.61  | .302<br>7.67  | .375<br>9.53  | .042<br>1.07                  | .129<br>3.28             | 1 & 2<br>2 | 105                       | 33457*<br>2-33457-2   |
|  | 5/16<br>M8   | A              | 1.004<br>25.50 | .736<br>18.69  | .468<br>11.89 | .531<br>13.49 | .042<br>1.07                  | .129<br>3.28             | 1 & 2<br>2 | 106                       | 33459*<br>2-33459-6   |
|  | 3/8          | A              | 1.098<br>27.89 | .799<br>20.29  | .531<br>13.49 | .593<br>15.06 | .042<br>1.07                  | .129<br>3.28             | 1 & 2      | 128                       | 33220*                |
|  | 1/2<br>M12   | A              | 1.271<br>32.28 | .893<br>22.68  | .625<br>15.88 | .750<br>19.05 | .042<br>1.07                  | .129<br>3.28             | 2          | 166                       | 35135                 |
| 8<br>13,100-20,800<br>[6.64-10.5]                | 8<br>M4      | C              | .949<br>24.10  | .743<br>18.87  | .359<br>9.12  | .406<br>10.31 | .051<br>1.30                  | .172<br>4.37             | 2          | 140                       | 324061*               |
|  | 10           | C              | .949<br>24.10  | .743<br>18.87  | .359<br>9.12  | .406<br>10.31 | .051<br>1.30                  | .172<br>4.37             | 2          | 107                       | 31807<br>2-31807-2**  |
|  | 1/4<br>M6    | C              | .933<br>23.70  | .696<br>17.68  | .359<br>9.12  | .469<br>11.91 | .051<br>1.30                  | .172<br>4.37             | 2          | 141                       | 33461*<br>2-33461-2** |
|  | 5/16<br>M8   | A              | 1.074<br>27.28 | .790<br>20.07  | .406<br>10.31 | .562<br>14.27 | .051<br>1.30                  | .172<br>4.37             | 2          | 108                       | 31808*                |
| 6<br>20,800-33,100<br>[10.5-16.8]                | 3/8          | A              | 1.168<br>29.67 | .868<br>22.05  | .531<br>13.49 | .594<br>15.09 | .051<br>1.30                  | .172<br>4.37             | 2          | 129                       | 33463*                |
|  | 10           | C              | 1.168<br>29.67 | .931<br>23.65  | .531<br>13.49 | .468<br>11.89 | .060<br>1.52                  | .232<br>5.89             | 2          | 130                       | 321298*               |
|  | 1/4<br>M6    | C              | 1.168<br>29.67 | .931<br>23.65  | .531<br>13.49 | .468<br>11.89 | .060<br>1.52                  | .232<br>5.89             | 2          | 109                       | 321598*               |
|  | 5/16<br>M8   | C              | 1.246<br>31.65 | .931<br>23.65  | .531<br>13.49 | .625<br>15.88 | .060<br>1.52                  | .232<br>5.89             | 2          | 131                       | 33466*<br>2-33466-3   |
|  | 3/8          | C              | 1.246<br>31.65 | .931<br>23.65  | .531<br>13.49 | .625<br>15.88 | .060<br>1.52                  | .232<br>5.89             | 2          | 110                       | 33467*                |
| 1/2<br>M12                                       | C            | 1.840<br>46.74 | 1.400<br>35.56 | 1.000<br>25.40 | .875<br>22.23 | .060<br>1.52  | .232<br>5.89                  | 2                        | 143        | 320344*                   |                       |

**Note:** Part numbers are shown as loose piece over tape mounted product.  
\* Part numbers are available in small quantity packages.  
† Requires a 69875 standard AMP-TAPETRONIC machine for application.  
‡ Requires a 68250-1 Heavy Duty AMP-TAPETRONIC machine for application.