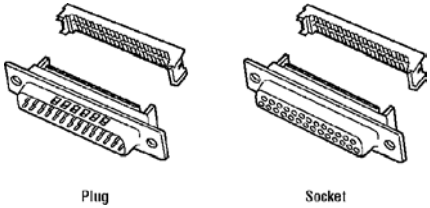


“D” Subminiature Connectors



Connectors are fully compatible with all 0.050" spaced flat cables with 26 and 28 AWG solid/stranded or 30 AWG solid wire. The low profile tin-plated metal shell ensures long-term reliability and EMI/ESD reduction. Pins and wiping leaf are plated with 30 μ gold. **Mounting Style:** 6000 Series — through hole; 6003 Series — 4-40 threaded insert.

Pin Version

| Stock No. | Mfr.'s Type | No. of Contacts | EACH |       |       |         |
|-----------|-------------|-----------------|------|-------|-------|---------|
|           |             |                 | 1-24 | 25-49 | 50-99 | 100-499 |
| 617-4200  | 8209-6000   | 9               | 5.21 | 4.56  | 4.06  | 3.81    |
| 617-5200  | 8209-6003   | 9               | 6.39 | 5.71  | 5.13  | 4.66    |
| 617-4201  | 8215-6000   | 15              | 5.93 | 5.18  | 4.62  | 4.33    |
| 617-5201  | 8215-6003   | 15              | 6.96 | 6.14  | 5.58  | 5.18    |
| 617-4202  | 8225-6000   | 25              | 6.60 | 5.89  | 5.24  | 4.91    |
| 617-5202  | 8225-6003   | 25              | 7.51 | 6.72  | 6.00  | 5.59    |
| 617-4203  | 8237-6000   | 37              | 8.53 | 7.61  | 6.77  | 6.35    |
| 617-5203  | 8237-6003   | 37              | 9.31 | 8.22  | 7.46  | 6.94    |

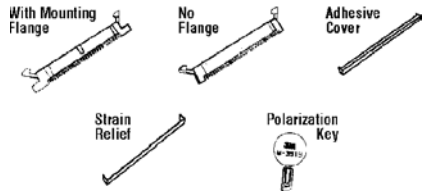
Socket Version

|          |           |    |      |      |      |      |
|----------|-----------|----|------|------|------|------|
| 617-4204 | 8309-6000 | 9  | 5.35 | 4.68 | 4.17 | 3.90 |
| 617-5204 | 8309-6003 | 9  | 6.39 | 5.89 | 5.30 | 4.76 |
| 617-4205 | 8315-6000 | 15 | 6.15 | 5.37 | 4.79 | 4.49 |
| 617-5205 | 8315-6003 | 15 | 7.17 | 6.33 | 5.75 | 5.34 |
| 617-4206 | 8325-6000 | 25 | 6.70 | 5.98 | 5.32 | 4.99 |
| 617-5206 | 8325-6003 | 25 | 7.62 | 6.94 | 6.24 | 5.67 |
| 617-4207 | 8337-6000 | 37 | 8.66 | 7.72 | 6.88 | 6.45 |
| 617-5207 | 8337-6003 | 37 | 9.31 | 8.22 | 7.46 | 6.94 |

Strain Reliefs

|          |            |    |     |     |     |     |
|----------|------------|----|-----|-----|-----|-----|
| 617-3409 | 3448-8D09A | 9  | .27 | .22 | .20 | .19 |
| 617-3415 | 3448-8D15A | 15 | .35 | .30 | .27 | .25 |
| 617-3425 | 3448-8D25A | 25 | .27 | .22 | .20 | .19 |
| 617-3437 | 3448-8D37A | 37 | .26 | .22 | .20 | .19 |

0.100" × 0.100" Plug Connectors



Plug connectors are made of polybutylene terephthalate, with a flammability rating; UL 94-V0. Connectors accommodate 26-28 AWG, solid or stranded, or 30 AWG wire. (Adhesive cover comes with connector; strain reliefs, ejector latches, and polarization keys optional.)

With Mounting Flange

| Stock No. | Mfr.'s Type | No. of Contacts | EACH |       |       |         |
|-----------|-------------|-----------------|------|-------|-------|---------|
|           |             |                 | 1-24 | 25-49 | 50-99 | 100-499 |
| 617-3810  | 4620-6000   | 20              | 5.35 | 4.68  | 4.17  | 3.90    |
| 617-3811  | 4626-6000   | 26              | 6.08 | 5.26  | 4.78  | 4.44    |
| 617-3812  | 4634-6000   | 34              | 7.41 | 6.61  | 5.88  | 5.51    |
| 617-3813  | 4640-6000   | 40              | 8.21 | 7.25  | 6.58  | 6.12    |
| 617-3814  | 4650-6000   | 50              | 8.89 | 7.93  | 7.07  | 6.62    |

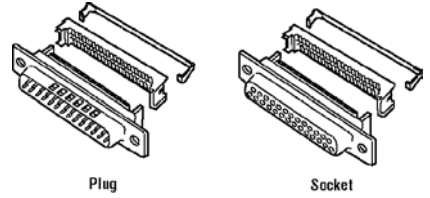
Without Mounting Flange

|          |           |    |      |      |      |      |
|----------|-----------|----|------|------|------|------|
| 617-3815 | 4620-6001 | 20 | 5.35 | 4.63 | 4.20 | 3.90 |
| 617-3816 | 4626-6001 | 26 | 6.08 | 5.26 | 4.78 | 4.44 |
| 617-3817 | 4634-6001 | 34 | 7.41 | 6.53 | 5.93 | 5.51 |
| 617-3818 | 4640-6001 | 40 | 8.21 | 7.25 | 6.58 | 6.12 |
| 617-3819 | 4650-6001 | 50 | 8.89 | 7.93 | 7.07 | 6.62 |

Strain Reliefs and Accessories

| Stock No. | Mfr.'s Type | Description           | EACH |       |       |         |
|-----------|-------------|-----------------------|------|-------|-------|---------|
|           |             |                       | 1-24 | 25-49 | 50-99 | 100-499 |
| 617-3820  | 3448-4620   | 20 Pos. Strain Relief | .76  | .66   | .60   | .55     |
| 617-3821  | 3448-4626   | 26 Pos. Strain Relief | .48  | .41   | .37   | .34     |
| 617-3822  | 3448-4634   | 34 Pos. Strain Relief | .48  | .41   | .37   | .34     |
| 617-3823  | 3448-4640   | 40 Pos. Strain Relief | .48  | .41   | .37   | .34     |
| 617-3824  | 3448-4650   | 50 Pos. Strain Relief | .48  | .41   | .37   | .35     |
| 617-3825  | 3518        | Polarization Key      | .21  | .15   | .13   | .10     |
| 617-3826  | 3505-16     | Short Latch           | .24  | .16   | .14   | .12     |
| 617-3827  | 3505-17     | Long Latch            | .27  | .19   | .16   | .14     |

Series 89 D-Sub Connectors



- Pre-Assembled One-Piece Body
- For 26 and 28 AWG Solid or Stranded
- UL 94V-0, Gray
- Mounting Style: Through-Hole
- Contact Plating: Wipe Area: 15 μ" Average Gold Over Nickel
- Accepts 0.050" Flat Ribbon Cable and Discrete Wire

These standard-performance D-Sub connectors are designed to reduce costs and save assembly time.

Plugs

| Stock No. | Mfr.'s Type | No. of Contacts | EACH |       |       |         |
|-----------|-------------|-----------------|------|-------|-------|---------|
|           |             |                 | 1-24 | 25-49 | 50-99 | 100-499 |
| 617-8960  | 89809-8000  | 9               | 2.72 | 2.45  | 2.23  | 2.06    |
| 617-8962  | 89815-8000  | 15              | 3.52 | 3.17  | 2.88  | 2.66    |
| 617-8964  | 89825-8000  | 25              | 3.81 | 3.43  | 3.11  | 2.88    |
| 617-8966  | 89837-8000  | 37              | 5.16 | 4.65  | 4.22  | 3.90    |

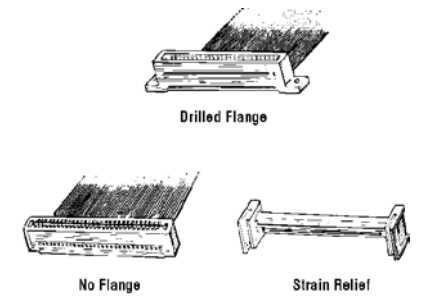
Sockets

|          |            |    |      |      |      |      |
|----------|------------|----|------|------|------|------|
| 617-8968 | 89909-8000 | 9  | 2.52 | 2.27 | 2.06 | 1.90 |
| 617-8970 | 89915-8000 | 15 | 3.12 | 2.82 | 2.56 | 2.36 |
| 617-8972 | 89925-8000 | 25 | 3.41 | 3.08 | 2.80 | 2.58 |
| 617-8974 | 89937-8000 | 37 | 4.62 | 4.16 | 3.78 | 3.49 |

Strain Reliefs

|          |            |    |     |     |     |     |
|----------|------------|----|-----|-----|-----|-----|
| 617-3409 | 3448-8D09A | 9  | .27 | .22 | .20 | .19 |
| 617-3415 | 3448-8D15A | 15 | .35 | .30 | .27 | .25 |
| 617-3425 | 3448-8D25A | 25 | .27 | .22 | .20 | .19 |
| 617-3437 | 3448-8D37A | 37 | .26 | .22 | .20 | .19 |

Card Edge Connectors



Rugged overall construction and bifurcated beryllium copper contacts, plated with 30 μ" gold, in the card wiping area, provide high reliability in performance and assembly. All sizes are available with slotted flange, hole flange or without flange.

With Drilled Flange

| Stock No. | Mfr.'s Type | No. of Contacts | EACH |       |       |         |
|-----------|-------------|-----------------|------|-------|-------|---------|
|           |             |                 | 1-24 | 25-49 | 50-99 | 100-499 |
| 617-4105  | 3462-0000   | 26              | 5.69 | 4.93  | 4.47  | 4.16    |
| 617-4106  | 3463-0000   | 34              | 6.50 | 5.79  | 5.21  | 4.84    |
| 617-4107  | 3464-0000   | 40              | 7.96 | 7.02  | 6.38  | 5.93    |
| 617-4108  | 3415-0000   | 50              | 8.19 | 7.23  | 6.56  | 6.10    |

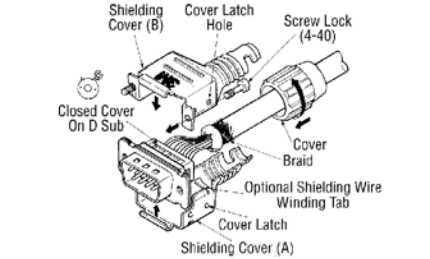
Without Mounting Flange

|          |           |    |      |      |      |      |
|----------|-----------|----|------|------|------|------|
| 617-4113 | 3461-0001 | 20 | 4.80 | 4.20 | 3.74 | 3.51 |
| 617-4114 | 3462-0001 | 26 | 5.69 | 4.98 | 4.43 | 4.16 |
| 617-4115 | 3463-0001 | 34 | 6.50 | 5.80 | 5.16 | 4.84 |
| 617-4116 | 3464-0001 | 40 | 7.96 | 7.02 | 6.38 | 5.93 |
| 617-4117 | 3415-0001 | 50 | 8.19 | 7.23 | 6.56 | 6.10 |

Strain Relief and Polarizing Key

| Stock No. | Mfr.'s Type | Description               | EACH |       |       |         |
|-----------|-------------|---------------------------|------|-------|-------|---------|
|           |             |                           | 1-24 | 25-49 | 50-99 | 100-499 |
| 617-4174  | 3448-55     | Type 3462 Card Edge Conn. | .89  | .78   | .72   | .67     |
| 617-4175  | 3448-56     | Type 3463 Card Edge Conn. | .89  | .78   | .72   | .67     |
| 617-4176  | 3448-57     | Type 3464 Card Edge Conn. | .89  | .78   | .72   | .67     |
| 617-4177  | 3448-58     | Type 3415 Card Edge Conn. | .89  | .78   | .72   | .67     |
| 617-4178  | 3448-31     | Type 3666 Card Edge Conn. | 2.23 | 1.98  | 1.84  | 1.71    |

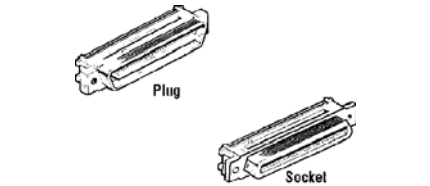
“D” Subminiature Junction Shells for EMI/ESD Protection



Designed for use with 3659 and 3759 round-jacketed flat cable.

| Stock No. | Mfr.'s Type | No. of Contacts | EACH |       |       |         |
|-----------|-------------|-----------------|------|-------|-------|---------|
|           |             |                 | 1-24 | 25-49 | 50-99 | 100-499 |
| 617-4208  | 3357-9209   | 9               | 3.24 | 2.84  | 2.53  | 2.37    |
| 617-4209  | 3357-9215   | 15              | 5.59 | 4.93  | 4.45  | 4.13    |
| 617-4210  | 3357-9225   | 25              | 4.76 | 4.12  | 3.70  | 3.45    |
| 617-4211  | 3357-9237   | 37              | 6.58 | 5.81  | 5.27  | 4.86    |

“D” Ribbon Connectors



All Plastic

These connectors are available in ball mount, screw mount, and combination mount. Those with type number suffix 1000 are combination; with 1001 ball mount; with 1002 screw mount.

Metal Faced

These connectors are available in ball mount, screw mount, and combination mount. Those with type number suffix 2000 are combination; with 2001 ball mount; with 2002 screw mount.

Plug Version

| Stock No. | Mfr.'s Type | No. of Contacts | Description | EACH |       |       |         |
|-----------|-------------|-----------------|-------------|------|-------|-------|---------|
|           |             |                 |             | 1-24 | 25-49 | 50-99 | 100-499 |
| 617-4141  | 3548-1000   | 24              | All Plastic | 5.43 | 4.70  | 4.27  | 3.97    |
| 617-4142  | 3548-1001   | 24              | All Plastic | 5.67 | 4.91  | 4.46  | 4.14    |
| 617-4143  | 3548-1002   | 24              | All Plastic | 5.77 | 5.00  | 4.54  | 4.22    |
| 617-4144  | 3366-1000   | 36              | All Plastic | 6.56 | 5.79  | 5.25  | 4.88    |
| 617-4145  | 3366-1001   | 36              | All Plastic | 6.87 | 6.13  | 5.46  | 5.12    |
| 617-4146  | 3366-1002   | 36              | All Plastic | 7.03 | 6.20  | 5.63  | 5.23    |
| 617-4147  | 3564-1000   | 50              | All Plastic | 7.80 | 6.96  | 6.20  | 5.81    |
| 617-4148  | 3564-1001   | 50              | All Plastic | 8.43 | 7.51  | 6.69  | 6.27    |
| 617-4149  | 3564-1002   | 50              | All Plastic | 8.64 | 7.71  | 6.86  | 6.43    |
| 617-1500  | 3564-2000   | 50              | Metal-Faced | 8.89 | 7.93  | 7.24  | 6.62    |
| 617-1505  | 3564-2001   | 50              | Metal-Faced | 9.63 | 8.59  | 7.65  | 7.17    |

Socket Version

|          |           |    |             |      |      |      |      |
|----------|-----------|----|-------------|------|------|------|------|
| 617-1510 | 3573-2000 | 14 | Metal-Faced | 5.71 | 4.95 | 4.49 | 4.17 |
| 617-1512 | 3573-2002 | 14 | Metal-Faced | 6.03 | 5.22 | 4.74 | 4.41 |
| 617-4153 | 3549-1000 | 24 | All Plastic | 5.43 | 4.71 | 4.27 | 3.97 |
| 617-4154 | 3549-1001 | 24 | All Plastic | 5.67 | 4.91 | 4.45 | 4.14 |
| 617-4155 | 3549-1002 | 24 | All Plastic | 5.77 | 5.00 | 4.54 | 4.22 |
| 617-1514 | 3549-2000 | 24 | Metal-Faced | 6.60 | 5.83 | 5.29 | 4.91 |
| 617-1516 | 3549-2002 | 24 | Metal-Faced | 7.13 | 6.29 | 5.71 | 5.31 |
| 617-4156 | 3367-1000 | 36 | All Plastic | 6.56 | 5.79 | 5.25 | 4.88 |
| 617-4157 | 3367-1001 | 36 | All Plastic | 6.87 | 6.15 | 5.59 | 5.12 |
| 617-4158 | 3367-1002 | 36 | All Plastic | 7.03 | 6.20 | 5.63 | 5.23 |
| 617-1518 | 3367-2000 | 36 | Metal-Faced | 7.41 | 6.53 | 5.93 | 5.51 |
| 617-1520 | 3367-2002 | 36 | Metal-Faced | 7.96 | 7.02 | 6.38 | 5.93 |
| 617-4159 | 3565-1000 | 50 | All Plastic | 7.80 | 6.96 | 6.20 | 5.81 |
| 617-4160 | 3565-1001 | 50 | All Plastic | 8.43 | 7.43 | 6.75 | 6.27 |
| 617-4161 | 3565-1002 | 50 | All Plastic | 8.64 | 7.71 | 6.90 | 6.43 |
| 617-1522 | 3565-2000 | 50 | Metal-Faced | 8.89 | 7.85 | 7.12 | 6.62 |
| 617-1524 | 3565-2002 | 50 | Metal-Faced | 9.63 | 8.50 | 7.72 | 7.17 |

Strain Reliefs

| Stock No. | Mfr.'s Type | Description                            | EACH |       |       |         |
|-----------|-------------|----------------------------------------|------|-------|-------|---------|
|           |             |                                        | 1-24 | 25-49 | 50-99 | 100-499 |
| 617-4180  | 3448-60     | Strain Relief/ 14 Contact Ribbon Conn. | .38  | .34   | .32   | .30     |
| 617-4181  | 3448-61     | Strain Relief/ 24 Contact Ribbon Conn. | .38  | .34   | .31   | .30     |
| 617-4182  | 3448-62     | Strain Relief/ 36 Contact Ribbon Conn. | .38  | .33   | .32   | .31     |
| 617-4183  | 3448-63     | Strain Relief/ 50 Contact Ribbon Conn. | .38  | .34   | .31   | .30     |