

Crimp, Series 109, Standard Density Connectors (MIL Qualified)

**Material and Finish:**

**Shell** — Steel, cadmium plated

**Insert** — Approved material per MIL-DTL-24308

**Retention Clips** — Stainless steel

**Related Product Data:**

**Cavity Identification** — page 5101

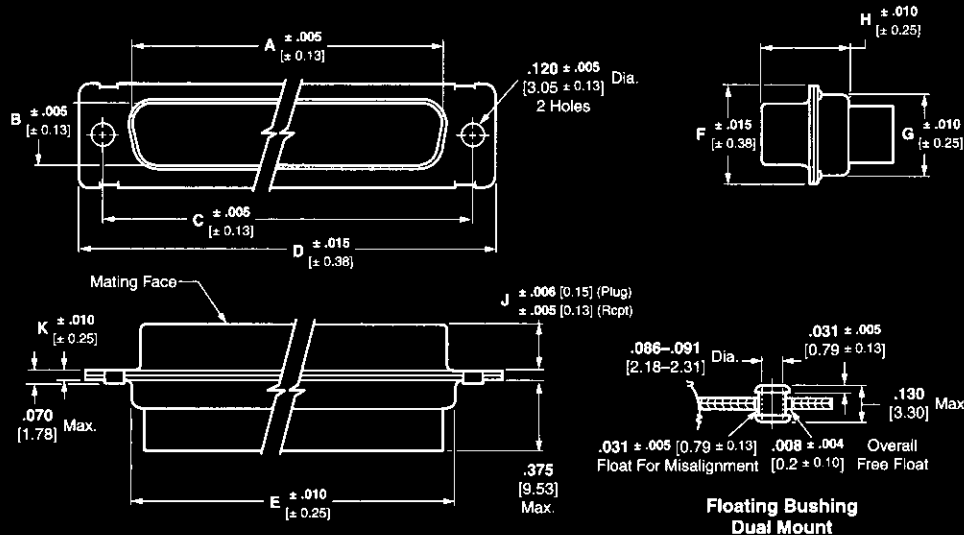
**Contacts** — pages 5102-5104

**Mounting, Mating Specifications** — page 5143

**Accessories** — pages 5148-5150

**Attention: Connector marking**

Connector marking may differ from package marking. All connectors marked per MIL-DTL-24308.



Series 109 Plugs per MIL-DTL-24308

| No. of Contact Pos. (Shell Size) | Dimensions     |              |                |                |                |               |               |               |              |              | Standard Mount            |              | Floating Bushing Mount    |              | Description    |
|----------------------------------|----------------|--------------|----------------|----------------|----------------|---------------|---------------|---------------|--------------|--------------|---------------------------|--------------|---------------------------|--------------|----------------|
|                                  | A (Inside)     | B (Inside)   | C              | D              | E              | F             | G             | H             | J            | K            | Military Part No. M24308/ | AMP Part No. | Military Part No. M24308/ | AMP Part No. |                |
| 9 (1)                            | .666<br>16.92  | .329<br>8.36 | .984<br>24.99  | 1.213<br>30.81 | .759<br>19.28  | .494<br>12.55 | .422<br>10.72 | .422<br>10.72 | .235<br>5.97 | .030<br>0.76 | 4-259F                    | 205162-1     | 4-324F                    | 205412-1     | Plug only      |
| 15 (2)                           | .994<br>25.25  | .329<br>8.36 | 1.312<br>33.32 | 1.541<br>39.14 | 1.083<br>27.51 | .494<br>12.55 | .422<br>10.72 | .422<br>10.72 | .235<br>5.97 | .030<br>0.76 | 4-260F                    | 205164-1     | 4-325F                    | 205408-1     | Plug only      |
| 25 (3)                           | 1.534<br>38.96 | .329<br>8.36 | 1.852<br>47.04 | 2.088<br>53.04 | 1.625<br>41.3  | .494<br>12.55 | .422<br>10.72 | .426<br>10.82 | .230<br>5.84 | .039<br>0.99 | 4-261F                    | 205166-1     | 4-326F                    | 205413-1     | Plug only      |
| 37 (4)                           | 2.182<br>55.42 | .329<br>8.36 | 2.500<br>63.5  | 2.729<br>69.32 | 2.272<br>57.71 | .494<br>12.55 | .422<br>10.72 | .426<br>10.82 | .230<br>5.84 | .039<br>0.99 | 4-262F                    | 205168-1     | 4-327F                    | 205414-1     | Plug only      |
| 50 (5)                           | 2.079<br>52.81 | .441<br>11.2 | 2.406<br>61.11 | 2.635<br>66.93 | 2.178<br>55.32 | .605<br>15.37 | .534<br>13.56 | .426<br>10.82 | .230<br>5.84 | .039<br>0.99 | 4-263F                    | 205170-1     | 4-328F                    | 205415-1     | Plug only      |
|                                  |                |              |                |                |                |               |               |               |              |              | 4-5F                      | 205564-2     | 4-306F                    | 205431-2     | Plug with pins |

Series 109 Receptacles per MIL-DTL-24308

| No. of Contact Pos. (Shell Size) | Dimensions     |               |                |                |                |               |               |              |              |              | Standard Mount            |              | Floating Bushing Mount    |              | Description          |
|----------------------------------|----------------|---------------|----------------|----------------|----------------|---------------|---------------|--------------|--------------|--------------|---------------------------|--------------|---------------------------|--------------|----------------------|
|                                  | A (Outside)    | B (Outside)   | C              | D              | E              | F             | G             | H            | J            | K            | Military Part No. M24308/ | AMP Part No. | Military Part No. M24308/ | AMP Part No. |                      |
| 9 (1)                            | .643<br>16.33  | .311<br>7.9   | .984<br>24.99  | 1.213<br>30.81 | .759<br>19.28  | .494<br>12.55 | .422<br>10.72 | .429<br>10.9 | .243<br>6.17 | .030<br>0.76 | 2-281F                    | 205161-1     | 2-292F                    | 205416-1     | Recept. only         |
| 15 (2)                           | .971<br>24.66  | .311<br>7.9   | 1.312<br>33.32 | 1.541<br>39.14 | 1.083<br>27.51 | .494<br>12.55 | .422<br>10.72 | .429<br>10.9 | .243<br>6.17 | .030<br>0.76 | 2-282F                    | 205163-1     | 2-293F                    | 205417-1     | Recept. only         |
| 25 (3)                           | 1.511<br>38.38 | .311<br>7.9   | 1.852<br>47.04 | 2.088<br>53.04 | 1.625<br>41.3  | .494<br>12.55 | .422<br>10.72 | .429<br>10.9 | .243<br>6.17 | .039<br>0.99 | 2-283F                    | 205165-1     | 2-294F                    | 205418-1     | Recept. only         |
| 37 (4)                           | 2.159<br>54.84 | .311<br>7.9   | 2.500<br>63.5  | 2.729<br>69.32 | 2.272<br>57.71 | .494<br>12.55 | .422<br>10.72 | .429<br>10.9 | .243<br>6.17 | .039<br>0.99 | 2-284F                    | 205167-1     | 2-295F                    | 205419-1     | Recept. only         |
| 50 (5)                           | 2.064<br>52.43 | .423<br>10.74 | 2.406<br>61.11 | 2.635<br>66.93 | 2.178<br>55.32 | .605<br>15.37 | .534<br>13.56 | .429<br>10.9 | .243<br>6.17 | .039<br>0.99 | 2-285F                    | 205169-1     | 2-296F                    | 205420-1     | Recept. only         |
|                                  |                |               |                |                |                |               |               |              |              |              | 2-5F                      | 205563-2     | 2-27F                     | 205432-2     | Recept. with sockets |

Notes: 1. Size 20 contacts supplied with connectors are loose piece.

2. "F" is stamped on connectors following M24308 Part Number as required. "F" designates cadmium shell plating.

3. See pages 5151 through 5155 (Military to AMP Part Number cross reference) for additional part numbers.)

Pin and Socket Connectors