

## Series 804 Receptacles With PCB or Solder Cup Contacts



**Series 804 Printed  
Circuit Board Receptacle**

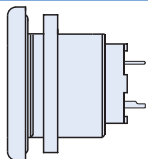
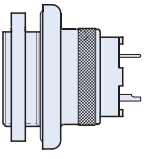
**Series 804 Receptacles** feature factory-installed non-removable contacts. Connectors are backfilled with rigid epoxy for a watertight seal.

**Series 804 QDC Receptacles** are available in two jam nut shell styles. **Style 00** for front panel mounting; and **Style 07** for rear panel mounting.

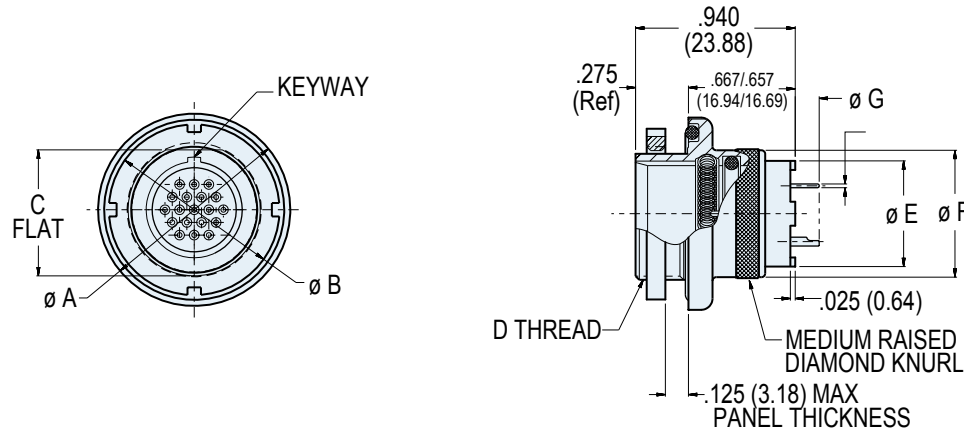
**PCB Contacts** feature .020" (0.5mm) diameter gold-plated tails for solder termination to rigid or flexible circuits.

**Solder Cup Contacts** accept up to #22 AWG stranded wire.

### HOW TO ORDER SERIES 801 PRINTED CIRCUIT BOARD RECEPTACLES

| Sample Part Number                                                |                                                                                                                           |                                                              |                                |                                |                                      |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------------|
| 804-005                                                           | -07                                                                                                                       | NF                                                           | 9-4                            | E                              |                                      |
| Series                                                            | Shell Style                                                                                                               | Shell Material / Finish                                      | Shell Size- Insert Arrangement | Contact Type                   | Shell Key Position                   |
| <b>804-005</b><br>Receptacle with Solder Cup Contacts or PC Tails | <br><b>-00</b><br>Jam Nut, Front Panel | <b>C</b><br>Aluminum / Black Anodize                         | <b>5-3</b> 3 #23               | <b>P</b><br>Pin, PC Tail       | <b>Omit</b><br>for Single Master Key |
|                                                                   |                                                                                                                           | <b>M</b><br>Aluminum / Electroless Nickel                    | <b>6-1</b> 1 #16               |                                |                                      |
|                                                                   |                                                                                                                           | <b>NF</b><br>Aluminum / Cadmium with Olive Drab Chromate     | <b>6-4</b> 4 #23               |                                |                                      |
|                                                                   |                                                                                                                           |                                                              | <b>6-7</b> 7 #23               |                                |                                      |
|                                                                   |                                                                                                                           |                                                              | <b>7-1</b> 1 #12               | <b>S</b><br>Socket, PC Tail    | <b>A</b><br>Pos. A (Normal)          |
|                                                                   | <br><b>-07</b><br>Jam Nut, Rear Panel  | <b>ZN</b><br>Aluminum / Zinc-Nickel with Olive Drab Chromate | <b>7-10</b> 10 #23             |                                |                                      |
|                                                                   |                                                                                                                           |                                                              | <b>8-13</b> 13 #23             |                                |                                      |
|                                                                   |                                                                                                                           |                                                              | <b>9-4</b> 4 #16               | <b>E</b><br>Pin, Solder Cup    | <b>B</b><br>Pos. B                   |
|                                                                   |                                                                                                                           |                                                              | <b>9-19</b> 19 #23             |                                | <b>C</b><br>Pos. C                   |
|                                                                   |                                                                                                                           | <b>ZNU</b><br>Aluminum / Zinc-Nickel with Black Chromate     | <b>10-26</b> 26 #23            |                                |                                      |
|                                                                   |                                                                                                                           |                                                              | <b>12-2</b> 2 #12              | <b>F</b><br>Socket, Solder Cup | <b>D</b><br>Pos. D                   |
|                                                                   |                                                                                                                           |                                                              | <b>12-37</b> 37 #23            |                                |                                      |
|                                                                   |                                                                                                                           | <b>Z1</b><br>Stainless Steel                                 | <b>14-55</b> 55 #23            |                                |                                      |
|                                                                   |                                                                                                                           |                                                              | <b>15-85</b> 85 #23            |                                |                                      |

## Series 804 PCB/Solder Receptacles – Rear Panel Jam Nut



Rear Panel Jam Nut  
804-005-07

| DIMENSIONS    |       |       |       |       |        |       |                 |      |       |       |       |                              |
|---------------|-------|-------|-------|-------|--------|-------|-----------------|------|-------|-------|-------|------------------------------|
| Shell<br>Size | Ø A   |       | Ø B   |       | C Flat |       | D Threads       | Ø E  |       | Ø F   |       | Ø G<br>Tail Dia.             |
|               | In.   | mm.   | In.   | mm.   | In.    | mm.   |                 | In.  | mm.   | In.   | mm.   |                              |
| 5             | .790  | 20.07 | .660  | 16.76 | .415   | 10.54 | .4375-32 UN-2A  | .244 | 6.20  | .450  | 11.43 | #23<br>.018/.022 (0.46/0.56) |
| 6             | .830  | 21.08 | .720  | 18.29 | .467   | 14.40 | .5000-32 UN-2A  | .330 | 8.38  | .520  | 13.21 |                              |
| 7             | .910  | 23.11 | .835  | 21.21 | .594   | 15.09 | .6250-28 UN-2A  | .432 | 10.97 | .580  | 14.73 |                              |
| 8             | .955  | 24.26 | .835  | 21.21 | .594   | 15.09 | .6250-28 UN-2A  | .493 | 12.52 | .603  | 15.32 | #16<br>.060/.064 (1.52/1.63) |
| 9             | 1.000 | 25.40 | .900  | 22.86 | .655   | 16.64 | .6875-28 UN-2A  | .551 | 14.00 | .695  | 17.65 |                              |
| 10            | 1.085 | 27.48 | .950  | 24.13 | .721   | 18.31 | .7500-28 UN-2A  | .620 | 15.75 | .735  | 18.67 |                              |
| 12            | 1.180 | 29.97 | 1.080 | 27.43 | .843   | 21.41 | .8750-28 UN-2A  | .703 | 17.86 | .880  | 22.35 | #12<br>.092/.096 (2.34/2.44) |
| 14            | 1.325 | 33.66 | 1.210 | 30.73 | .968   | 24.59 | 1.0000-28 UN-2A | .863 | 21.92 | 1.010 | 25.65 |                              |
| 15            | 1.390 | 35.31 | 1.280 | 32.51 | 1.029  | 26.14 | 1.0625-20 UN-2A | .912 | 23.16 | 1.060 | 26.92 |                              |

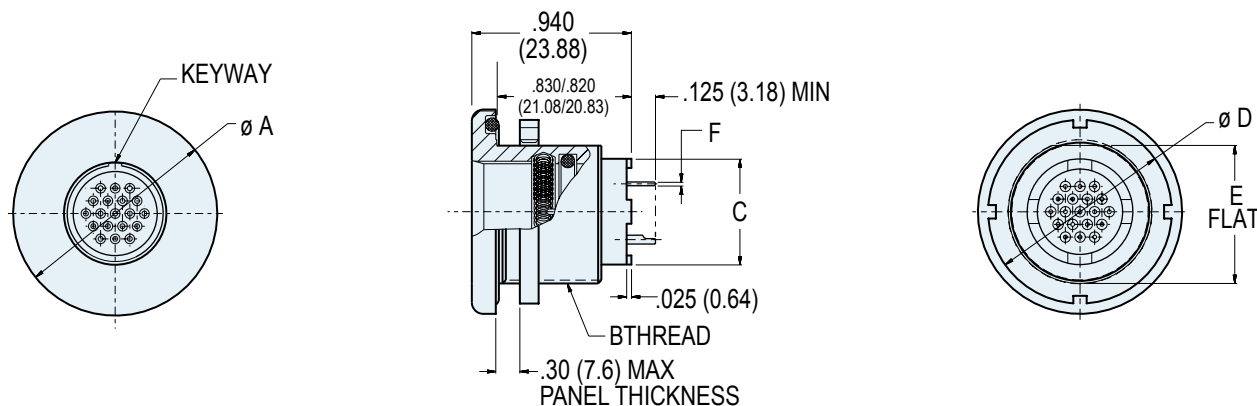
### ALTERNATE KEY POSITIONS

|  | Pos. | A°   |      | B°  |     |
|--|------|------|------|-----|-----|
|  |      | In.  | mm.  | In. | mm. |
|  | A    | 150° | 210° |     |     |
|  | B    | 75°  | 210° |     |     |
|  | C    | 95°  | 230° |     |     |
|  | D    | 140° | 275° |     |     |

### JAM NUT PANEL CUTOUT

| Shell Size | A Flat     |            | Ø B   |       |
|------------|------------|------------|-------|-------|
|            | In. ± .002 | mm. ± 0.05 | In.   | mm.   |
| 5          | .425       | 10.80      | .448  | 11.38 |
| 6          | .477       | 12.12      | .510  | 12.95 |
| 7          | .604       | 15.34      | .635  | 16.13 |
| 8          | .604       | 15.34      | .635  | 16.13 |
| 9          | .665       | 16.89      | .695  | 17.65 |
| 10         | .731       | 18.57      | .760  | 19.30 |
| 12         | .853       | 21.67      | .885  | 22.48 |
| 14         | .978       | 24.84      | 1.010 | 25.65 |
| 15         | 1.039      | 26.39      | 1.070 | 27.18 |

## Series 804 PCB/Solder Receptacles – Front Panel Jam Nut

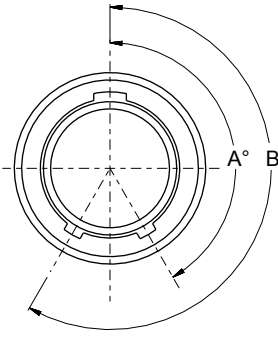


**Front Panel Jam Nut**  
804-005-00

### DIMENSIONS

| Shell Size | Ø A   |       | B Threads       | Ø C  |       | Ø D   |       | E Flat |       | Ø F Tail Dia.                |
|------------|-------|-------|-----------------|------|-------|-------|-------|--------|-------|------------------------------|
|            | In.   | mm.   |                 | In.  | mm.   | In.   | mm.   | In.    | mm.   |                              |
| <b>5</b>   | .830  | 21.08 | .5000-32 UN-2A  | .244 | 6.20  | .730  | 18.54 | .470   | 11.94 | #23<br>.018/.022 (0.46/0.56) |
| <b>6</b>   | .885  | 22.48 | .5625-28 UN-2A  | .330 | 8.38  | .780  | 19.81 | .530   | 13.46 |                              |
| <b>7</b>   | .995  | 25.27 | .6875-28 UN-2A  | .432 | 10.97 | .920  | 23.37 | .663   | 16.84 |                              |
| <b>8</b>   | .995  | 25.27 | .6875-28 UN-2A  | .493 | 12.52 | .920  | 23.37 | .663   | 16.84 | #16<br>.060/.064 (1.52/1.63) |
| <b>9</b>   | 1.075 | 27.31 | .7500-28 UN-2A  | .551 | 14.00 | .970  | 24.64 | .720   | 18.29 |                              |
| <b>10</b>  | 1.140 | 28.95 | .8125-28 UN-2A  | .620 | 15.75 | 1.040 | 26.42 | .788   | 20.02 | #12<br>.092/.096 (2.34/2.44) |
| <b>12</b>  | 1.340 | 34.04 | 1.0000-28 UN-2A | .703 | 17.86 | 1.230 | 31.24 | .970   | 24.64 |                              |
| <b>14</b>  | 1.390 | 35.31 | 1.0625-20 UN-2A | .863 | 21.92 | 1.280 | 32.51 | 1.020  | 25.91 |                              |
| <b>15</b>  | 1.450 | 36.83 | 1.1250-28 UN-2A | .912 | 23.16 | 1.340 | 34.04 | 1.093  | 27.76 |                              |

### ALTERNATE KEY POSITIONS

|                                                                                    | Pos. | A°   |      | B° |
|------------------------------------------------------------------------------------|------|------|------|----|
|                                                                                    |      | A°   | B°   |    |
|  | A    | 150° | 210° |    |
|                                                                                    | B    | 75°  | 210° |    |
|                                                                                    | C    | 95°  | 230° |    |
|                                                                                    | D    | 140° | 275° |    |

### JAM NUT PANEL CUTOUT

| Shell Size | A Flat     |            | Ø B   |       |
|------------|------------|------------|-------|-------|
|            | In. ± .002 | mm. ± 0.05 | In.   | mm.   |
| <b>5</b>   | .480       | 12.19      | .510  | 12.95 |
| <b>6</b>   | .540       | 13.72      | .575  | 14.61 |
| <b>7</b>   | .674       | 17.12      | .698  | 17.73 |
| <b>8</b>   | .674       | 17.12      | .698  | 17.73 |
| <b>9</b>   | .730       | 18.54      | .760  | 19.30 |
| <b>10</b>  | .799       | 20.29      | .822  | 20.88 |
| <b>12</b>  | .980       | 24.89      | 1.010 | 25.65 |
| <b>14</b>  | 1.030      | 26.16      | 1.075 | 27.31 |
| <b>15</b>  | 1.013      | 25.73      | 1.135 | 28.83 |