

# Micro-D Hermetic Connectors Solder Mount 177-140H and 177-704H



**Solder, Braze or Weld** these 177-140 hermetic Micro-D connectors. Featuring a matched glass-to-metal seal, these socket receptacles are designed for panel mounting.

**Kovar® Shells and Contacts** comply with applicable MIL-DTL-83513 requirements and are 100% intermateable with standard connectors.

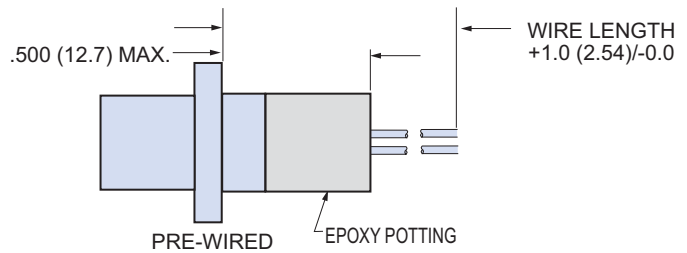
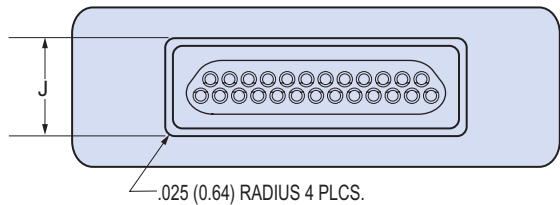
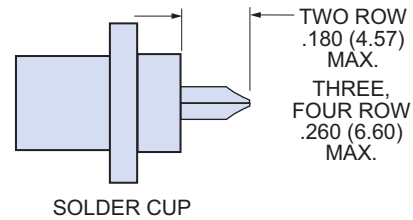
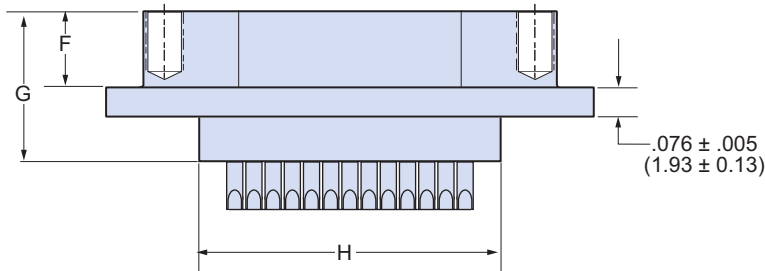
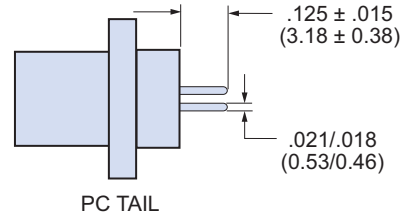
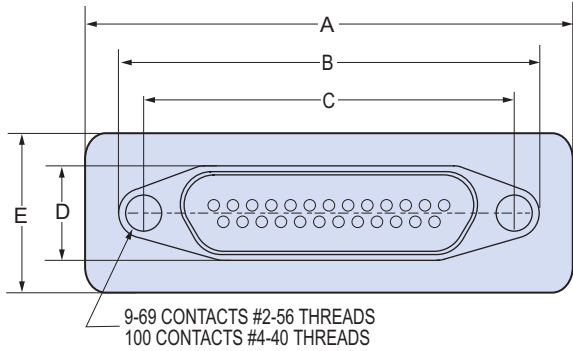
**Choose 9 to 100 Contacts**, with gold-plated contacts and nickel-plated shells. These connectors feature integral female jackposts.

## HOW TO ORDER SOLDER CUP AND PC TAIL CONNECTORS

| Series   | Layout<br>Number of Contacts | Contact Type | Termination Type              |
|--|------------------------------|--------------|-------------------------------|
| <b>177-140H</b><br>Micro-D Hermetic Socket Receptacle, Solder or Weld Mounting | 9                            | S – Socket   | S – Solder Cup<br>P – PC Tail |
|  | 15                           |              |                               |
|  | 21                           |              |                               |
|  | 25                           |              |                               |
|  | 31                           |              |                               |
|  | 37                           |              |                               |
|  | 51-2 (Two Row)               |              |                               |
|  | 51 (Three Row)               |              |                               |
|  | 67                           |              |                               |
|  | 69                           |              |                               |
| 100  |                              |              |                               |
| <b>Sample Part Number</b>  |                              |              |                               |
| 177-140H   | 15                           | S            | P                             |

## HOW TO ORDER PRE-WIRED CONNECTORS

| Series                    | Layout         | Contact Type | Wire Gage (AWG)               | Wire Type   | Wire Color   | Wire Length Inches   |
|---------------------------|----------------|--------------|-------------------------------|---|--|--|
| <b>177-704H</b>           | 9              | S – Socket   | 6 – #26<br>8 – #28<br>0 – #30 | <b>K</b> – M22759/11<br>600 Vrms<br>Teflon® (TFE)<br>(Not Available in #30 AWG)<br><br><b>J</b> – M22759/33<br>600 Vrms<br>Modified<br>Cross-Linked<br>Tefzel® (ETFE) | 1 – White<br>2 – Yellow<br>5 – Color-Coded Stripes Per MIL-STD-681 (#26 gage only)<br>7 – Ten Color Repeat | <b>18</b><br>Wire Length In Inches.<br>*18" Specifies 18 Inches. |
|                           | 15             |              |                               |   |  |  |
|                           | 21             |              |                               |   |  |  |
|                           | 25             |              |                               |   |  |  |
|                           | 31             |              |                               |   |  |  |
|                           | 37             |              |                               |   |  |  |
|                           | 51-2 (Two Row) |              |                               |   |  |  |
|                           | 51 (Three Row) |              |                               |   |  |  |
|                           | 67             |              |                               |   |  |  |
|                           | 69             |              |                               |   |  |  |
| 100                       |                |              |                               |   |  |  |
| <b>Sample Part Number</b> |                |              |                               |   |  |  |
| 177-704H                  | 25             | S            | 6                             | K   | 1  | – 18   |



## DIMENSIONS

| Layout       | A Max. |       | B MAX. |       | C     |       | D Max. |      | E Max. |       | F    |      | G Max. |       | H     |       | J    |      |
|--------------|--------|-------|--------|-------|-------|-------|--------|------|--------|-------|------|------|--------|-------|-------|-------|------|------|
|              | In.    | mm.   | In.    | mm.   | In.   | mm.   | In.    | mm.  | In.    | mm.   | In.  | mm.  | In.    | mm.   | In.   | mm.   | In.  | mm.  |
| <b>9S</b>    | .785   | 19.94 | .695   | 14.35 | .565  | 14.35 | .250   | 6.35 | .310   | 7.87  | .195 | 4.95 | .394   | 10.01 | .398  | 10.11 | .268 | 6.81 |
| <b>15S</b>   | 1.030  | 26.16 | .855   | 21.71 | .715  | 18.16 | .250   | 6.35 | .425   | 10.80 | .195 | 4.95 | .394   | 10.01 | .535  | 13.59 | .255 | 6.48 |
| <b>21S</b>   | 1.180  | 29.97 | 1.005  | 25.53 | .865  | 21.97 | .250   | 6.35 | .425   | 10.80 | .195 | 4.95 | .394   | 10.01 | .750  | 19.05 | .255 | 6.48 |
| <b>25S</b>   | 1.280  | 32.51 | 1.105  | 28.06 | .965  | 24.51 | .250   | 6.35 | .425   | 10.80 | .195 | 4.95 | .394   | 10.01 | .785  | 19.94 | .255 | 6.48 |
| <b>31S</b>   | 1.430  | 36.32 | 1.255  | 31.88 | 1.115 | 28.32 | .250   | 6.35 | .425   | 10.80 | .195 | 4.95 | .394   | 10.01 | .935  | 23.75 | .255 | 6.48 |
| <b>37S</b>   | 1.580  | 40.13 | 1.425  | 36.20 | 1.265 | 32.13 | .250   | 6.35 | .425   | 10.80 | .195 | 4.95 | .394   | 10.01 | 1.085 | 27.56 | .255 | 6.48 |
| <b>51-2S</b> | 1.930  | 49.02 | 1.775  | 45.09 | 1.615 | 41.02 | .250   | 6.35 | .425   | 10.80 | .195 | 4.95 | .394   | 10.01 | 1.435 | 36.45 | .255 | 6.48 |
| <b>51S</b>   | 1.530  | 38.86 | 1.361  | 34.57 | 1.215 | 30.86 | .310   | 7.87 | .468   | 11.89 | .195 | 4.95 | .394   | 10.01 | 1.030 | 26.16 | .297 | 7.54 |
| <b>67S</b>   | 2.330  | 59.18 | 2.161  | 54.89 | 2.015 | 51.18 | .250   | 6.35 | .425   | 10.80 | .195 | 4.95 | .394   | 10.01 | 1.835 | 46.61 | .255 | 6.48 |
| <b>69S</b>   | 1.830  | 46.48 | 1.661  | 42.19 | 1.515 | 38.48 | .310   | 7.87 | .468   | 11.89 | .195 | 4.95 | .394   | 10.01 | 1.330 | 33.78 | .297 | 7.54 |
| <b>100S</b>  | 2.260  | 57.40 | 2.010  | 51.05 | 1.800 | 45.72 | .330   | 8.38 | .517   | 13.13 | .195 | 4.95 | .394   | 10.01 | 1.765 | 44.83 | .350 | 8.89 |