# 880-001P Cable Plug with Pigtail Wires and Integral Banding Porch 



| Shell Size and Insert Arrangements |  |  |  |
| :---: | :---: | :---: | :---: |
| Insert <br> Arrangement | No. of Contacts |  |  |
|  | $\begin{aligned} & \# 23 \\ & 5 A . \end{aligned}$ | Micro 3A. | Nano 1A. |
| B7N | - | - | 7 |
| C10N | - | - | 10 |
| C2M2N | - | 2 | 2 |
| D3M | - | 3 | - |
| D2W2N | 2 | - | 2 |
| E3W | 3 | - | - |
| E4M | - | 4 | - |
| E19N | - | - | 19 |
| E4M4N | - | 4 | 4 |
| F4W | 4 | - | - |
| F7M | - | 7 | - |
| F22N | - | - | 22 |
| F4M8N | - | 4 | 8 |
| F4W4N | 4 | - | 4 |
| G7W | 7 | - | - |
| G10M | - | 10 | - |
| G31N | - | - | 31 |
| G6M10N | - | 6 | 10 |
| G6M12N | - | 6 | 12 |
| H10W | 10 | - | - |
| H37N | - | - | 37 |
| H6W14N | 6 | - | 14 |
| J44N | - | - | 44 |
| J7W19N | 7 | - | 19 |
| K19M | - | 19 | - |
| K13M19N | - | 13 | 19 |
| L22M | - | 22 | - |

First letter of insert arrangement represents connector shell size, as in this example: K13M19N

## NOTES

1. See Section A for insert arrangement layouts
2. See Section A for additional finish options

Series 880 Quick-Disconnect (QDC) cable plugs are pre-wired and sealed with epoxy. Features an integral shield termination platform and Three contact sizes are available with current ratings of $5 \mathrm{~A}, 3 \mathrm{~A}$ and 1 A . Aluminum or stainless steel housings and thermoplastic insulators. High-strength wire with crosslinked ETFE insulation crimped at factory to high performance contacts. Ultraminiature SuperFly ${ }^{\circledR}$ connectors are ideal for soldier systems and other applications where reduced size and weight are critical.

| How To Order |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sample Part Number |  | 880-001P | A | -B7N | -M | 004 | J | 1 | -24 |
| Series | 880-001P |  |  |  |  |  |  |  |  |
| Insert Style | A = Unshrouded Contacts <br> B = Shrouded Contacts <br> Shrouded contacts are recessed within the insulator |  |  |  |  |  |  |  |  |
| Shell Size/ Insert Arr. ${ }^{1}$ | See Shell Size and Insert Arrangement Table |  |  |  |  |  |  |  |  |
| Materia// <br> Finish ${ }^{2}$ | M = Aluminum/electroless nickel RoHS compliant <br> ZR = Aluminum/zinc-nickel, non-reflective with <br> RoHS compliant black chromate <br> MT = Aluminum/nickel-PTFE RoHS compliant <br> ZMT = Stainless steel/nickel-PTFE RoHS compliant |  |  |  |  |  |  |  |  |
| Wire AWg | See Wire Code Table |  |  |  |  |  |  |  |  |
| Wire Type | $\mathrm{J}=$ "Space Grade" wire M22759/33 or equivalent (ETFE) |  |  |  |  |  |  |  |  |
| Wire Color | 1 = White <br> $5=$ Full Color; 1-10 solid color, 11 and up are striped <br> 7 = 10 Color Repeating; Wire \#1 black, Wire \#11 black, etc |  |  |  |  |  |  |  |  |
| Wire Length | Overall length ('L') in inches measured from front of connector |  |  |  |  |  |  |  |  |

## MOD-686 POLARIZING OPTIONS

Standard SuperFly ${ }^{\circledR}$ connectors have a single master key. Versions with three keys are also available if alternate key positions are required. Add suffix code 686 to the part number per the following example: 880-001PA-B7N-M004J1-24-686A

| Plug Alternate Key Positions |  |  |
| :---: | :---: | :---: |
| Suffix Code | $\mathbf{A}^{\circ}$ | $\mathbf{B}^{\circ}$ |
| 686 A | $150^{\circ}$ | $210^{\circ}$ |
| 686 B | $75^{\circ}$ | $210^{\circ}$ |
| 686 C | $95^{\circ}$ | $230^{\circ}$ |
| 686 D | $140^{\circ}$ | $275^{\circ}$ |
| 686 E | $75^{\circ}$ | $275^{\circ}$ |
| 686 F | $95^{\circ}$ | $210^{\circ}$ |

# 880-001P Cable Plug with Pigtail Wires and Integral Banding Porch 

## ABOUT SHROUDED AND UNSHROUDED SUPERFLY® CONFIGURATIONS

Shrouded contacts are recessed within the insert. Unshrouded contacts extend from the insert face. Shrouded inserts contain 1 amp and 3 amp Twistpin contacts along with 5 amp socket contacts. Unshrouded inserts contain 1 amp and 3 amp sockets and 5 amp pin .

| Wire Code Table |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Layouts with 5A. Contacts |  |  |  |  |
| Insert <br> Arrangement | $\begin{aligned} & \text { \#23 } \\ & 5 A . \end{aligned}$ | Micro 3A. | Nano 1A. | Code |
| E3W, F4W, <br> G7W, H10W | \#22 | - | - | 100 |
|  | \#24 | - | - | 200 |
|  | \#26 | - | - | 300 |
| Layouts with 5A. and 1A. Contacts |  |  |  |  |
| Insert <br> Arrangement | $\begin{aligned} & \text { \#23 } \\ & 5 A . \end{aligned}$ | Micro 3A. | Nano 1A. | Code |
| D2W2N, F4W4N, H6W14N, J7W19N | \#22 | - | \#28 | 104 |
|  | \#24 | - | \#28 | 204 |
|  | \#26 | - | \#28 | 304 |
|  | \#22 | - | \#30 | 105 |
|  | \#24 | - | \#30 | 205 |
|  | \#26 | - | \#30 | 305 |
|  | \#22 | - | \#32 | 106 |
|  | \#24 | - | \#32 | 206 |
|  | \#26 | - | \#32 | 306 |
| Layouts with 3A. Contacts |  |  |  |  |
| Insert <br> Arrangement | $\begin{aligned} & \# 23 \\ & 5 \mathrm{~A} . \end{aligned}$ | Micro 3A. | Nano 1A. | Code |
| D3M, E4M F7M, G10M, K19M, L22M | - | \#24 | - | 020 |
|  | - | \#26 | - | 030 |
|  | - | \#28 | - | 040 |
|  | - | \#30 | - | 050 |
| Layouts with 3A. and 1A. Contacts |  |  |  |  |
| Insert <br> Arrangement | $\begin{aligned} & \# 23 \\ & 5 \mathrm{~A} . \end{aligned}$ | Micro 3A. | Nano 1A. | Code |
| C2M2N, E4M4N, F4M8N G6M10N, G6M12N, K13M19N | - | \#24 | \#28 | 024 |
|  | - | \#26 | \#28 | 034 |
|  | - | \#28 | \#28 | 044 |
|  | - | \#24 | \#30 | 025 |
|  | - | \#26 | \#30 | 035 |
|  | - | \#28 | \#30 | 045 |
|  | - | \#24 | \#32 | 026 |
|  | - | \#26 | \#32 | 036 |
|  | - | \#28 | \#32 | 046 |
| Layouts with 1A. Contacts |  |  |  |  |
| Insert <br> Arrangement | $\begin{aligned} & \# 23 \\ & 5 \mathrm{~A} . \end{aligned}$ | Micro 3A. | Nano 1A. | Code |
| B7N, C10N, E19N, F22N, G31N, H37N, J44N | - | - | \#28 | 004 |
|  | - | - | \#30 | 005 |
|  | - | - | \#32 | 006 |

Shrouded Type B Insert


| Dimensions |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Shell Size | A Max OD |  | B Rear OD |  |
|  | In. | mm. | In. | mm. |
| B | .317 | 8.05 | .197 | 5.00 |
| C | .342 | 8.69 | .222 | 5.64 |
| D | .355 | 9.02 | .235 | 5.97 |
| E | .381 | 9.68 | .261 | 6.63 |
| F | .400 | 10.16 | .280 | 7.11 |
| G | .422 | 10.72 | .302 | 7.67 |
| H | .459 | 11.66 | .339 | 8.61 |
| J | .487 | 12.37 | .369 | 9.37 |
| K | .509 | 12.93 | .391 | 9.93 |
| L | .548 | 13.92 | .430 | 10.92 |

