



# Quick Disconnect



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



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 5A, 3A and 1A. Aluminum or stainless steel housings and thermoplastic insulators. High-strength wire with crosslinked ETFE insulation crimped at factory to high performance contacts. Ultraminiature SuperFly® connectors are ideal for soldier systems and other applications where reduced size and weight are critical.

B

| Shell Size and Insert Arrangements |                 |           |          |
|------------------------------------|-----------------|-----------|----------|
| Insert Arrangement                 | No. of Contacts |           |          |
|                                    | #23 5A.         | 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

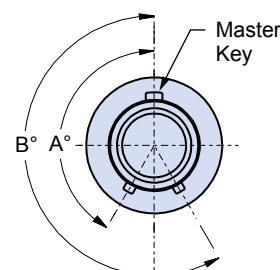
1. See Section A for insert arrangement layouts
2. See Section A for additional finish options

| How To Order                        |                                                                                                                                                                                                                                                            |   |      |    |     |   |   |     |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|----|-----|---|---|-----|
| Sample Part Number                  | 880-001P                                                                                                                                                                                                                                                   | A | -B7N | -M | 004 | J | 1 | -24 |
| Series                              | 880-001P                                                                                                                                                                                                                                                   |   |      |    |     |   |   |     |
| Insert Style                        | <b>A</b> = Unshrouded Contacts<br><b>B</b> = Shrouded Contacts<br>Shrouded contacts are recessed within the insulator                                                                                                                                      |   |      |    |     |   |   |     |
| Shell Size/Insert Arr. <sup>1</sup> | See Shell Size and Insert Arrangement Table                                                                                                                                                                                                                |   |      |    |     |   |   |     |
| Material/Finish <sup>2</sup>        | <b>M</b> = Aluminum/electroless nickel RoHS compliant<br><b>ZR</b> = Aluminum/zinc-nickel, non-reflective with RoHS compliant black chromate<br><b>MT</b> = Aluminum/nickel-PTFE RoHS compliant<br><b>ZMT</b> = Stainless steel/nickel-PTFE RoHS compliant |   |      |    |     |   |   |     |
| Wire AWG                            | See Wire Code Table                                                                                                                                                                                                                                        |   |      |    |     |   |   |     |
| Wire Type                           | <b>J</b> = "Space Grade" wire M22759/33 or equivalent (ETFE)                                                                                                                                                                                               |   |      |    |     |   |   |     |
| Wire Color                          | <b>1</b> = White<br><b>5</b> = Full Color; 1-10 solid color, 11 and up are striped<br><b>7</b> = 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® 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                  | A°   | B°   |
| 686A                         | 150° | 210° |
| 686B                         | 75°  | 210° |
| 686C                         | 95°  | 230° |
| 686D                         | 140° | 275° |
| 686E                         | 75°  | 275° |
| 686F                         | 95°  | 210° |





# Quick Disconnect

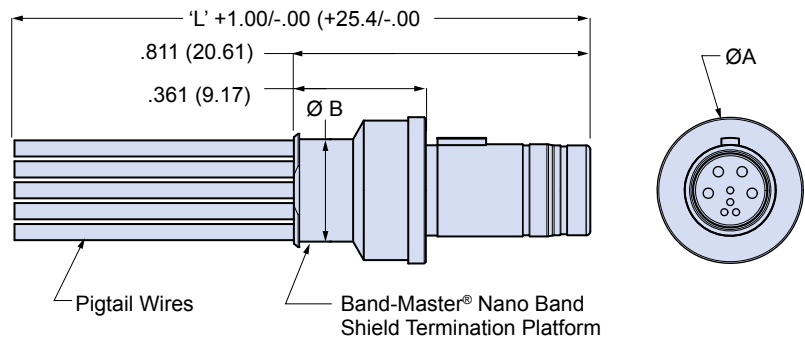
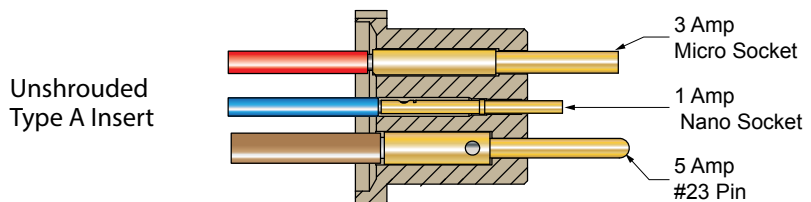
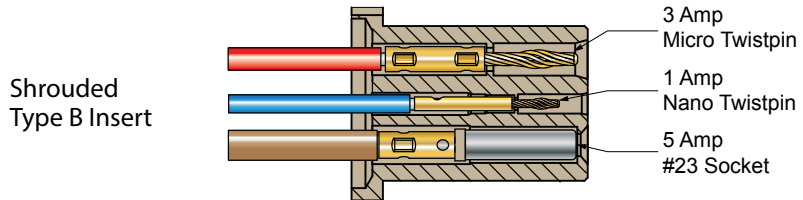
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### ABOUT SHROUDED AND UNSHROUDED SUPERFLY® CONFIGURATIONS

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 Arrangement                           | #23 5A. | Micro 3A. | Nano 1A. | Code |
| E3W, F4W, G7W, H10W                          | #22     | —         | —        | 100  |
|                                              | #24     | —         | —        | 200  |
|                                              | #26     | —         | —        | 300  |
| Layouts with 5A. and 1A. Contacts            |         |           |          |      |
| Insert Arrangement                           | #23 5A. | 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  |
|                                              | #26     | —         | #32      | 306  |
| Layouts with 3A. Contacts                    |         |           |          |      |
| Insert Arrangement                           | #23 5A. | 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 Arrangement                           | #23 5A. | 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  |
|                                              | —       | #28       | #32      | 046  |
| Layouts with 1A. Contacts                    |         |           |          |      |
| Insert Arrangement                           | #23 5A. | Micro 3A. | Nano 1A. | Code |
| B7N, C10N, E19N, F22N, G31N, H37N, J44N      | —       | —         | #28      | 004  |
|                                              | —       | —         | #30      | 005  |
|                                              | —       | —         | #32      | 006  |



| 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 |

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