Threaded Coupling

881-003R Front Panel Mount Receptacle with Pigtail Wires

Series 881 front panel mount, threaded coupling receptacles are pre-wired, sealed with epoxy and feature integral shield termination platform. 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 the factory to high performance contacts. Ultraminiature SuperFly® connectors are ideal for soldier systems and other applications where reduced size and weight are critical.

Shell Size and Insert Arrangements

Insert Arrangements	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 **K**13M19N

How To Order

Sample Part Number	881-003R	A	-B7N	-M	004	J	1	-24
Series	881-003R							
Insert Style	**A** = Unshrouded Contacts **B** = Shrouded Contacts are recessed within the insulator							
Shell Size / Insert Arr.[1]	See Shell Size and Insert Arrangement Table							
Material/ Finish[2]	**M** = Aluminum/electroless nickel RoHS compliant **ZR** = Aluminum/zinc-nickel, non-reflective with RoHS compliant black chromate **MT** = Aluminum/nickel-PTFE RoHS compliant **ZMT** = Stainless steel/nickel-PTFE RoHS compliant							
Wire AWG	See Wire Code Table							
Wire Type	**J** = "Space Grade" wire M22759/33 or equivalent (ETFE)							
Wire Color	**1** = White **5** = Full Color; 1-10 solid color, 11 and up are striped **7** = 10 Color Repeating; Wire #1 black, Wire #11 black, etc							
Wire Length	Overall length in inches measured from front of connector							

NOTES

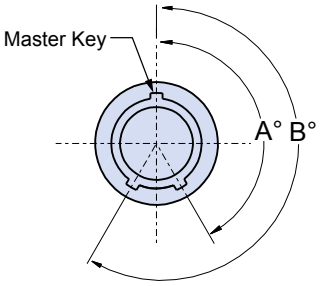
1. See Section A for insert arrangement layouts
2. See Section A for additional finish options

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: 881-003RA-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°



MOD-518 OPEN FACE SEALING

For IP67 performance in open face (unmated) condition, use suffix -518.
Example: 881-003RA-B7N-M004J1-24-**518**

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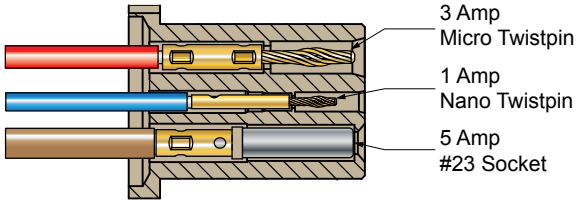
ABOUT SHROUDED AND UNSHROUDED SUPERFLY® CONFIGURATIONS

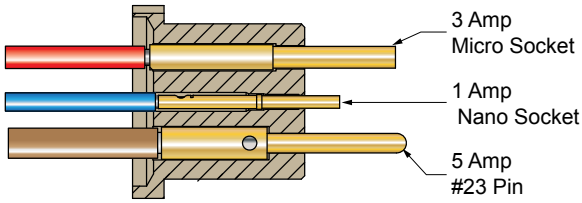
Shrouded contacts are recessed within the insert. Unshrouded contacts extend from the insert face. Shrouded inserts contain 1 amp and 3 amp Twistpin contacts along with 5 amp socket contacts. Unshrouded inserts contain 1 amp and 3 amp sockets and 5 amp pin.

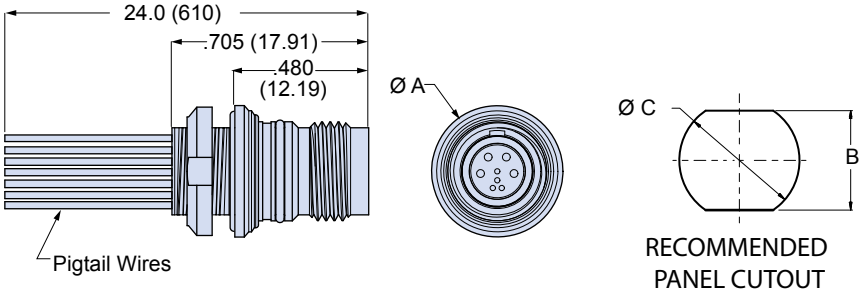
Wire Code Table				
Layouts with 5A. Contacts				
Insert Arrangement	#23 5A.	Micro 3A.	Nano 1A.	Code
E3W, F4W, G7W, H10W	#22	—	—	100
	#24	—	—	200
	#26	—	—	300
Layouts with 5A. and 1A. Contacts				
Insert Arrangement	#23 5A.	Micro 3A.	Nano 1A.	Code
D2W2N, F4W4N, H6W14N, J7W19N	#22	—	#28	104
	#24	—	#28	204
	#26	—	#28	304
	#22	—	#30	105
	#24	—	#30	205
	#26	—	#30	305
	#22	—	#32	106
	#24	—	#32	206
	#26	—	#32	306
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
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

Shrouded Type B Insert



Unshrouded Type A Insert





Dimensions							
Shell Size	Ø A		B		Ø C		A Thread
	In.	mm.	In.	mm.	In.	mm.	
B	.392	9.96	.236	5.99	.282	7.16	M7.0 x .75-6g
C	.412	10.46	.256	6.50	.302	7.67	M7.5x .75-6g
D	.432	10.97	.276	7.01	.321	8.15	M8.0 x .75-6g
E	.451	11.46	.296	7.52	.341	8.66	M8.5 x .75-6g
F	.471	11.96	.315	8.00	.361	9.17	M9.0 x .75-6g
G	.491	12.47	.335	8.51	.380	9.65	M9.5 x .75-6g
H	.530	13.46	.374	9.50	.420	10.67	M10.5 x .75-6g
J	.550	13.97	.394	10.01	.439	11.15	M11.5 x .75-6g
K	.570	14.48	.414	10.52	.459	11.66	M12.0 x .75-6g
L	.609	15.47	.453	11.51	.498	12.65	M13.0 x .75-6g