



# Quick Disconnect

## 880-042R Rear Panel Mount, PCB Receptacle with Ground Pins



Series 880 Quick-Disconnect (QDC) rear panel mount, PCB receptacles are sealed with epoxy and meet IP67 requirements in mated condition. For open face sealing in an unmated condition request modification code -518. Three contact sizes are available with current ratings of 5A, 3A and 1A. Aluminum or stainless steel housings and thermoplastic insulators. High performance crimp contacts are factory terminated to solid copper wire. 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 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: K13M19N

### NOTES

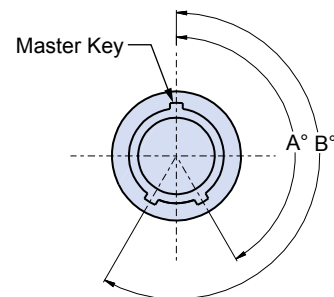
1. See Section A for insert arrangement layouts
2. See Section A for additional finish options

How To Order						
<b>Sample Part Number</b>	<b>880-042R</b>	<b>A</b>	<b>-B7N</b>	<b>-M</b>	<b>S</b>	<b>-.125</b>
<b>Series</b>	<b>880-042R</b>					
<b>Insert Style</b>	<b>A</b> = Unshrouded Contacts <b>B</b> = Shrouded Contacts Recessed within Insulator					
<b>Shell Size/Insert Arr.<sup>1</sup></b>	See Shell Size and Insert Arrangement Table					
<b>Material/Finish<sup>2</sup></b>	<b>M</b> = Aluminum/electroless nickel RoHS compliant <b>ZR</b> = Aluminum/zinc-nickel, non-reflective with RoHS compliant black chromate <b>MT</b> = Aluminum/nickel-PTFE RoHS compliant <b>ZMT</b> = Stainless steel/nickel-PTFE RoHS compliant					
<b>PC Tail Finish</b>	<b>S</b> = Solder-dipped in 63/37 tin-lead <b>G</b> = Gold Plated					
<b>PC Tail Length</b>	<b>.080, .125, .175</b> ; Length (‘L’) in inches					

### 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: 880-042RA-B7N-MS-.125-**686A**

Plug Alternate Key Positions		
Suffix Code	A°	B°
<b>686A</b>	150°	210°
<b>686B</b>	75°	210°
<b>686C</b>	95°	230°
<b>686D</b>	140°	275°
<b>686E</b>	75°	275°
<b>686F</b>	95°	210°



### MOD-518 OPEN FACE SEALING

For IP67 performance in open face (unmated) condition, use suffix -518. Example: 880-042RA-B7N-MS-.125-**518**



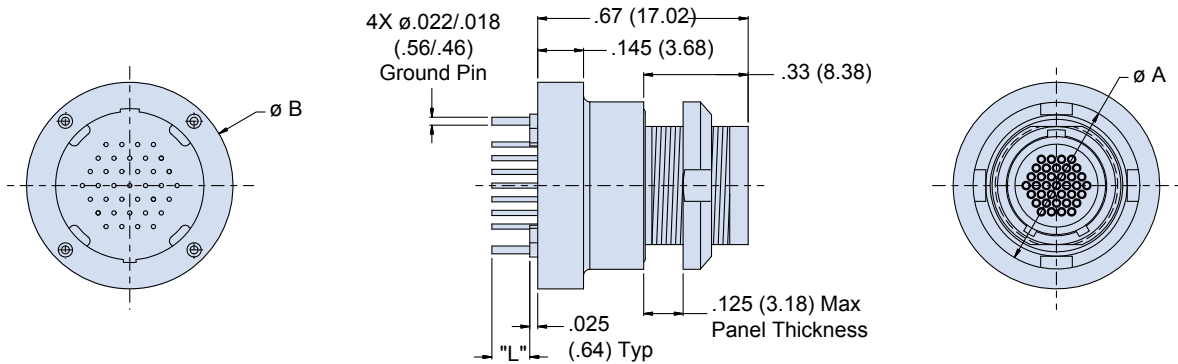
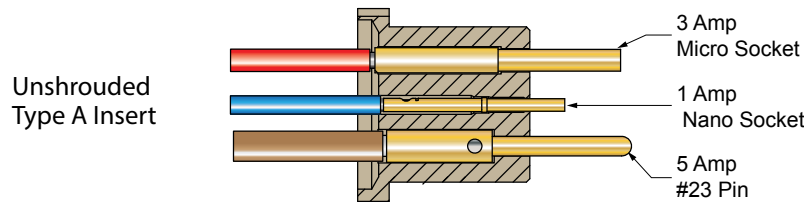
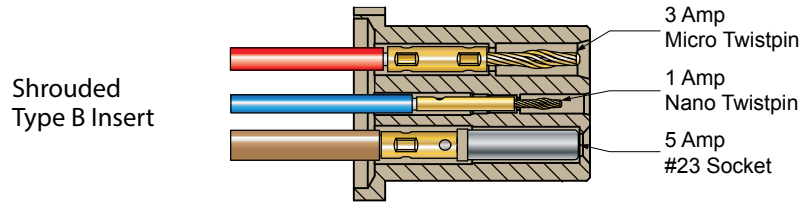
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## 880-042R Rear Panel Mount, PCB Receptacle with Ground Pins

### 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.



Shell Size	Dimensions							
	Ø A		Ø B		Ø C		D Flats	
	In	mm	In	mm	In	mm	In	mm
B	0.392	9.96	0.516	13.11	0.283	7.19	0.241	6.12
C	0.412	10.46	0.536	13.61	0.305	7.75	0.261	6.63
D	0.431	10.95	0.555	14.10	0.324	8.23	0.281	7.14
E	0.451	11.46	0.575	14.61	0.344	8.74	0.300	7.62
F	0.471	11.96	0.595	15.11	0.364	9.25	0.320	8.13
G	0.490	12.45	0.614	15.60	0.383	9.73	0.340	8.64
H	0.530	13.46	0.654	16.61	0.419	10.64	0.379	9.63
J	0.569	14.45	0.693	17.60	0.459	11.66	0.418	10.62
K	0.588	14.94	0.712	18.08	0.478	12.14	0.438	11.13
L	0.628	15.95	0.752	19.10	0.518	13.16	0.478	12.14

