

973-004 SuperNine Series I Bayonet PowerPlay  
00, D0, CS Panel-Mount Receptacles

SUPERNINE SERIES I POWERPLAY BAYONET



**MATERIAL/FINISH**

- Housing and coupling ring per How to Order Table
- Seal/Grommet: silicone blend
- Contacts: copper alloy / gold
- Insulator: hi-temp composite

**NOTES**

- 973-004 mates with only 973-004 of the same size, layout, and polarization and the opposite gender.
- Consult factory for crimp tools and accessory selection.
- Connectors use standard mounting cutouts and accessory threads and teeth per MIL-DTL-38999 Series III.
- Electrical performance:
  - DWV: 5000 VAC pin-pin and pin-shell (sea level)
  - Insulation resistance: 5000 megohm min at 500 VDC

POLARIZATION KEYS AND KEYWAYS					
Shell Size	Polarization Code	Minor Key/Keyway Rotation			
		A°	B°	C°	D°
11	N	95	141	208	236
	A	113	156	182	292
	B	90	145	195	252
	C	53	156	220	255
	D	119	146	176	298
15	E	51	141	184	242
	F	77	141	220	273
	G	66	156	176	236
	N	80	142	196	293
	A	135	170	200	310
17	B	49	169	200	244
21	C	66	140	200	257
23	D	62	145	180	280
25	E	79	153	197	272
	F	95	150	180	235
	G	115	157	185	270

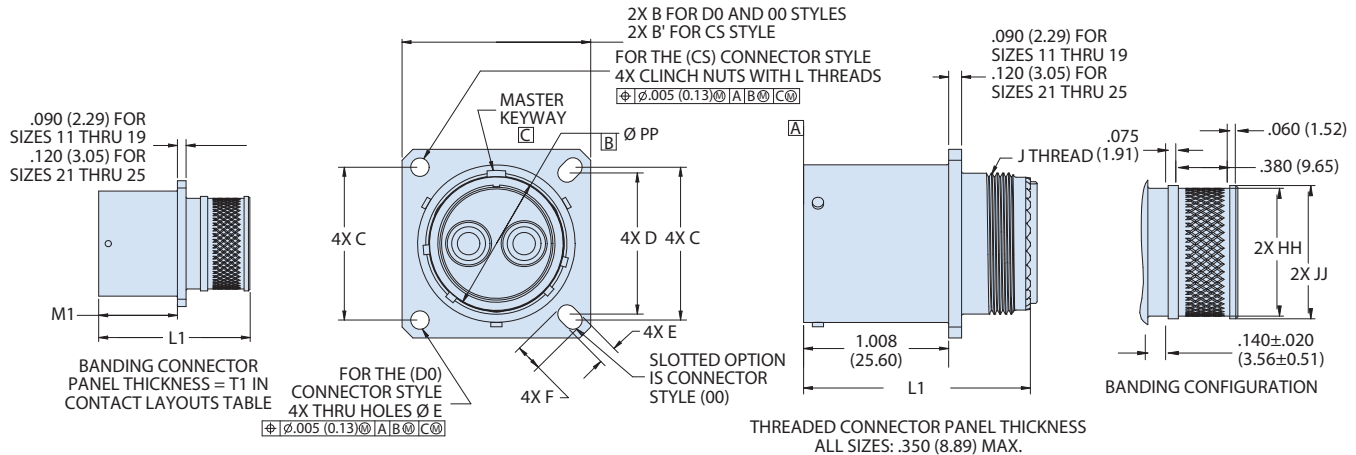
HOW TO ORDER	
<b>Sample Part Number</b>	973-004 - 00 ME 13-1 P N
<b>Basic Part Number</b>	Bayonet PowerPlay Connector
<b>Rear Accessory Option</b>	- = Accessory Thread and Teeth B = Banding Configuration with Groove for Shrink Boot
<b>Connector Style</b>	00 = Receptacle, Panel-Mount with Slotted Holes D0 = Receptacle, Panel-Mount with Round Holes CS = Receptacle, Panel-Mount with Standard Clinch Nuts
<b>Connector Finish</b>	NF = Aluminum, CAD/O.D. Over Electroless Nickel MT = Aluminum, Nickel-PTFE      TZ = Aluminum, Tin Zinc ME = Aluminum, Electroless Nickel      Z1 = Stainless, Passivated
<b>Size and Layout</b>	See Contact Layouts Table
<b>Contact Style</b>	See Contact Style Table
<b>Polarization:</b>	A, B, C, D, E, F, G, N

SHELL SIZE / CONTACT ARRANGEMENTS (FACE OF PIN INSERT)				
11-1 • 1X #8	13-1 • 1X #4	15-1 • 1X #2	17-1 • 1X #1/0	17-2 • 2X #8
17-4 • 2X #8 and 2X #20	19-3 • 3X #8	21-4 • 4X #8	23-2 • 2X #4	
25-2 • 2X #2	25-4 • 4X #4	25-10 • 2X #4 and 8X #16		
15-3 • 1X #8 and 2X #20	17-3 • 1X #4 and 2X #20	19-A3 • 1X #2 and 2X #20	21-3 • 1X #1/0 and 2X #20	

973-004 SuperNine Series I Bayonet PowerPlay 00, D0, CS Panel-Mount Receptacles

SUPER NINE SERIES I POWERPLAY BAYONET

00, D0 AND CS PANEL-MOUNT AND IN-LINE RECEPTACLE DIMENSIONS



Shell Size-Contact Arr.	B Sq	B' Sq	C Bsc	D Bsc	E	F	J Thread	L Thread	M1	L1 Max	T1 Max		
11-1	1.043 (26.49) 1.019 (25.88)	1.187 (30.15) 1.147 (29.13)	0.812 (20.62)	0.719 (18.26)	0.136 (3.45) 0.120 (3.05)	0.202 (5.13) 0.186 (4.72)	M15 X 1.0-6g 0.100R	.112-40 UNC-3B	0.821 (20.85)	1.600 (40.64)	.150 (3.81)		
13-1	1.138 (28.91) 1.114 (28.30)	1.281 (32.54) 1.241 (31.52)	0.906 (23.01)	0.812 (20.62)		.181 (4.60) .165 (4.19)	M18 X 1.0-6g 0.100R		0.821 (20.85)	1.600 (40.64)	.150 (3.81)		
15-1	1.232 (31.29)	1.293 (32.84)	.969 (24.61)	.906 (23.01)		0.202 (5.13) 0.186 (4.72)	M22 X 1.0-6g 0.100R		0.821 (20.85)	2.000 (50.80)	.300 (7.62)		
15-3	1.208 (30.68)	1.253 (31.83)							0.821 (20.85)	1.600 (40.64)	.150 (3.81)		
17-1	1.323 (33.60) 1.299 (32.99)	1.437 (36.50) 1.342 (34.09)	1.062 (26.97)	0.969 (24.61)			0.202 (5.13) 0.186 (4.72)		M25 X 1.0-6g 0.100R	0.821 (20.85)	2.000 (50.80)	.300 (7.62)	
17-2										0.821 (20.85)	1.600 (40.64)	.150 (3.81)	
17-3										0.821 (20.85)	1.600 (40.64)	.150 (3.81)	
17-4										0.821 (20.85)	1.600 (40.64)	.150 (3.81)	
19-3	1.449 (36.80) 1.425 (36.20)	1.531 (38.89) 1.491 (37.87)	1.156 (29.36)	1.062 (26.97)					0.202 (5.13) 0.186 (4.72)	M28 X 1.0-6g 0.100R	0.821 (20.85)	1.600 (40.64)	.150 (3.81)
19-A3	0.821 (20.85)	2.000 (50.80)	.300 (7.62)										
21-3	1.575 (40.00) 1.551 (39.40)	1.625 (41.28) 1.585 (40.26)	1.250 (31.75)	1.156 (29.36)	0.162 (4.11) 0.146 (3.71)			M31 X 1.0-6g 0.100R		0.821 (20.85)	1.600 (40.64)	.150 (3.81)	
21-4	0.791 (20.09)	2.000 (50.80)	.300 (7.62)										
23-2	1.701 (43.21) 1.677 (42.60)	1.750 (44.45) 1.710 (43.43)	1.375 (34.92)	1.250 (31.75)		0.250 (6.35) 0.234 (5.94)		M34 X 1.0-6g 0.100R		0.791 (20.09)	1.600 (40.64)	.125 (3.18)	
25-2	0.791 (20.09)	2.000 (50.80)	.300 (7.62)										
25-4	1.823 (46.30) 1.799 (45.69)	1.875 (47.63) 1.835 (46.61)	1.500 (38.10)	1.375 (34.92)			0.159 (4.04)	M37 X 1.0-6g 0.100R		0.791 (20.09)	1.600 (40.64)	.125 (3.18)	
25-10	0.791 (20.09)	1.600 (40.64)	.125 (3.18)										

WIRE SEALING	
Contact Size	Wire Diameter
20	.040-.083 (1.02-2.11)
16	.065-.109 (1.65-2.77)
8	.209-.277 (5.31-7.04)
4	.323-.391 (8.20-9.93)
2	.400-.477 (10.16-12.12)
0	.486-.572 (12.34-14.53)

FINGER-PROOF CONTACTS		
Size	Pin	Socket
8	Yes	Yes
4	Yes	Yes
2	Yes	Yes
1/0	Yes	No
2/0	No	Yes

CONTACT STYLE		
Code	Description	P/N
A	Pin Connector, No Contacts	
P	Pin Connector, Crown Ring Pin Contacts	850-325
	Pin Connector, Size #4 Crown Ring Pin Contacts and 39029 type Size #16 Pin Contacts (ins. arr. 25-10 only)	850-325 and 850-344-16
	Pin Connector, Size #8 or #4 Crown Ring Pin Contacts and 39029 type #20 Pin Contacts (arr. 17-4, 21-5, 15-3, 17-3)	850-325 and 850-202-20
G	Pin Connector, Size #2 or #0 Crown Ring Pin Contacts and 39029 type #20 Pin Contacts (arr. 19-A3, 21-3)	850-325 and 850-346-20
	Pin Connector, Reduced Crimp Barrel Crown Ring Pin Contacts (for Size #8 and Size #4 contacts only)	850-325
B	Socket Connector, No Contacts	
S	Socket Connector, Crown Ring Socket Contacts	850-326
	Socket Connector, Size #4 Crown Ring Socket Contacts and 39029 type Size #16 Socket Contacts (arr. 25-10 only)	850-326 and 850-309
	Socket Connector, Size #8 or #4 Crown Ring Socket Contacts and 39029 type #20 Socket Contacts (arr. 17-4, 21-5, 15-3, 17-3)	850-326 and AS39029/56-351
	Socket Connector, Size #2 or #0 Crown Ring Socket Contacts and 39029 type #20 Socket Contacts (arr. 19-A3, 21-3)	850-326 and 850-347-20
	Socket Connector, Reduced Crimp Barrel Crown Ring Socket Contacts (for Size #8 and Size #4 contacts only)	850-326

PANEL CUT OUT FOR PANEL-MOUNT RECEPTACLES					
Shell Size	ØN Min	ØP Min	ØR Holes	S1 Bsc	S2 Bsc
11	0.796 (20.22)	0.625 (15.88)	0.133 (3.38) 0.123 (3.12) 0.159 (4.04)	0.812 (20.62)	0.719 (18.26)
13	0.922 (23.42)	0.750 (19.05)		0.906 (23.01)	0.812 (20.62)
15	1.047 (26.59)	.906 (23.01)		.969 (24.61)	.906 (23.01)
17	1.219 (30.96)	1.016 (25.81)		1.062 (26.97)	0.969 (24.61)
19	1.297 (32.94)	1.141 (28.98)		1.156 (29.36)	1.062 (26.97)
21	1.422 (36.12)	1.266 (32.16)		1.250 (31.75)	1.156 (29.36)
23	1.547 (39.29)	1.375 (34.92)		1.375 (34.92)	1.250 (31.75)
25	1.672 (42.47)	1.484 (37.69)		1.500 (38.10)	1.375 (34.92)

Finger-proof to IEC 60529 Level IP2X (Rated voltages Not exceeding 1,000 VAC or 1500 VDC)