

973-004 SuperNine Series I Bayonet PowerPlay G6 Plug with EMI Spring

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

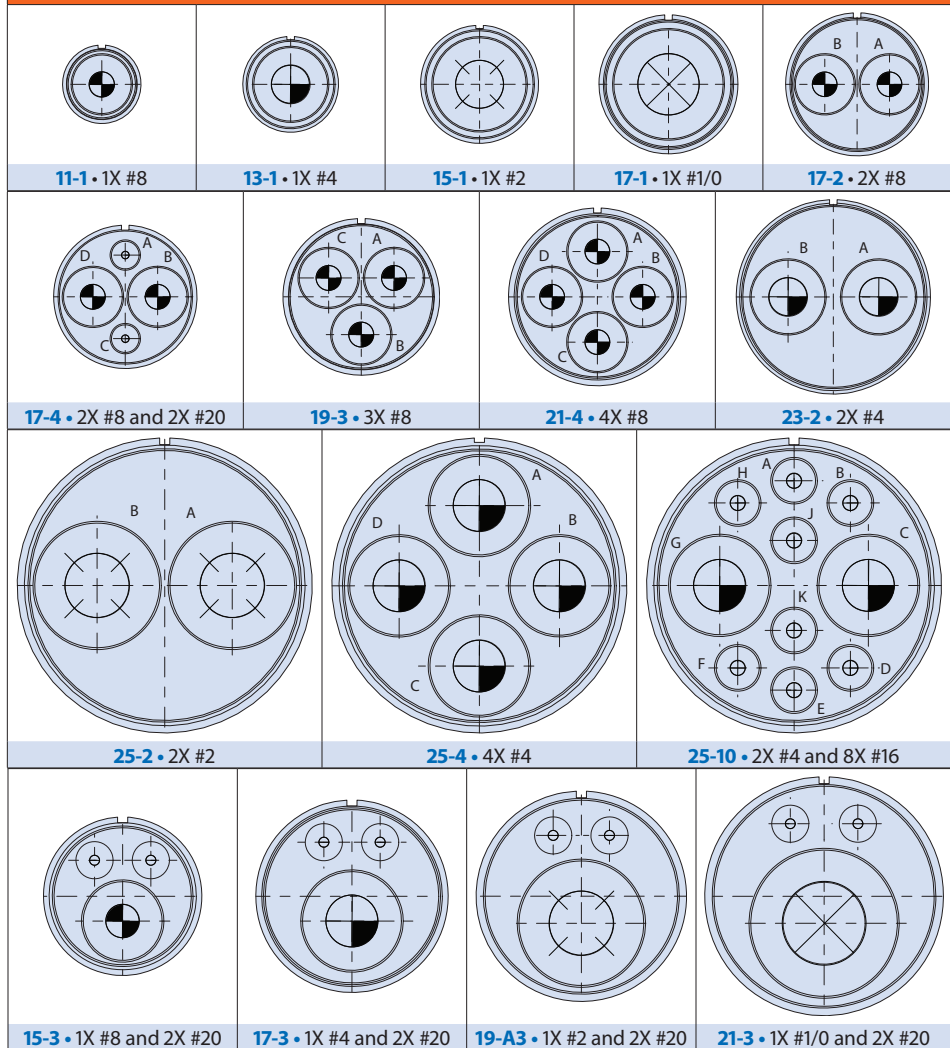
- 973-004 mates with only 973-004 of the same size, layout, and polarization and the opposite gender.
- Consult factory for crimp tools and accessory selection.
- Connectors use standard mounting cutouts and accessory threads and teeth per MIL-DTL-38999 Series III.
- Electrical performance:
 - DWV: 5000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

HOW TO ORDER							
Sample Part Number	973-004	-	G6	ME	13-1	P	N
Basic Part Number	Bayonet PowerPlay Connector						
Rear Accessory Option	- = Accessory Thread and Teeth B = Banding Configuration with Groove for Shrink Boot						
Connector Style	G6 = Plug with EMI Spring						
Connector Finish	NF = Aluminum, CAD/O.D. Over Electroless Nickel MT = Aluminum, Nickel-PTFE TZ = Aluminum, Tin Zinc ME = Aluminum, Electroless Nickel Z1 = Stainless, Passivated						
Size and Layout	See Contact Layouts Table						
Contact Style	See Contact Style Table						
Polarization:	A, B, C, D, E, F, G, N						

POLARIZATION KEYS AND KEYWAYS

Shell Size	Polarization Code	Minor Key/Keyway Rotation			
		A°	B°	C°	D°
11 13 15	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
	E	51	141	184	242
	F	77	141	220	273
17 19 21 23 25	G	66	156	176	236
	N	80	142	196	293
	A	135	170	200	310
	B	49	169	200	244
	C	66	140	200	257
	D	62	145	180	280
	E	79	153	197	272
F	95	150	180	235	
G	115	157	185	270	

SHELL SIZE / CONTACT ARRANGEMENTS (FACE OF PIN INSERT)



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G6 PLUG WITH EMI SPRING DIMENSIONS					
Shell Size-Contact Arrangement	ØDD Max	EE Thread	ØHH	ØJJ	L3 Max
11-1	0.984 (24.99)	M15 X 1.0-6g 0.100R	0.550 (13.97)	0.595 (15.11)	1.720 (43.69)
13-1	1.157 (29.39)	M18 X 1.0-6g 0.100R	0.670 (17.02)	0.715 (18.16)	1.720 (43.69)
15-1	1.280 (32.51)	M22 X 1.0-6g 0.100R	0.815 (20.70)	0.898 (22.81)	2.100 (53.34)
15-3					1.720 (43.69)
17-1	1.406 (35.71)	M25 X 1.0-6g 0.100R	0.945 (24.00)	0.990 (25.15)	2.100 (53.34)
17-2					1.720 (43.69)
17-3					1.720 (43.69)
17-4					1.720 (43.69)
19-3	1.516 (38.51)	M28 X 1.0-6g 0.100R	1.050 (26.67)	1.100 (27.94)	1.720 (43.69)
19-A3					2.100 (53.34)
21-3	1.642 (41.71)	M31 X 1.0-6g 0.100R	1.170 (29.72)	1.220 (30.99)	2.100 (53.34)
21-4					1.720 (43.69)
23-2	1.768 (44.91)	M34 X 1.0-6g 0.100R	1.290 (32.77)	1.340 (34.04)	1.720 (43.69)
25-2	1.890 (48.01)	M37 X 1.0-6g 0.100R	1.400 (35.56)	1.450 (36.83)	2.100 (53.34)
25-4					1.720 (43.69)
25-10					1.720 (43.69)

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

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

CONTACT STYLE		
Contact Code	Description	Contact 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 (insert arrangement 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 (arrangements 17-4, 21-5, 15-3, 17-3)	850-325 and 850-202-20
	Pin Connector, Size #2 or #0 Crown Ring Pin Contacts and 39029 type #20 Pin Contacts (arrangements 19-A3, 21-3)	850-325 and 850-346-20
G	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 (arrangement 25-10 only)	850-326 and 850-309
	Socket Connector, Size #8 or #4 Crown Ring Socket Contacts and 39029 type #20 Socket Contacts (arrangements 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 (arrangements 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