

973-001 SuperNine Series III PowerPlay Triple-Start 05 In-Line Receptacle

SUPERNINE SERIES III POWERPLAY TRIPLE-START



**MATERIAL/FINISH**

- Housing and coupling ring per How to Order Table
- Seal/grommet: silicone blend
- Contacts: copper alloy / gold
- Insulator: High-Temp composite

**NOTES**

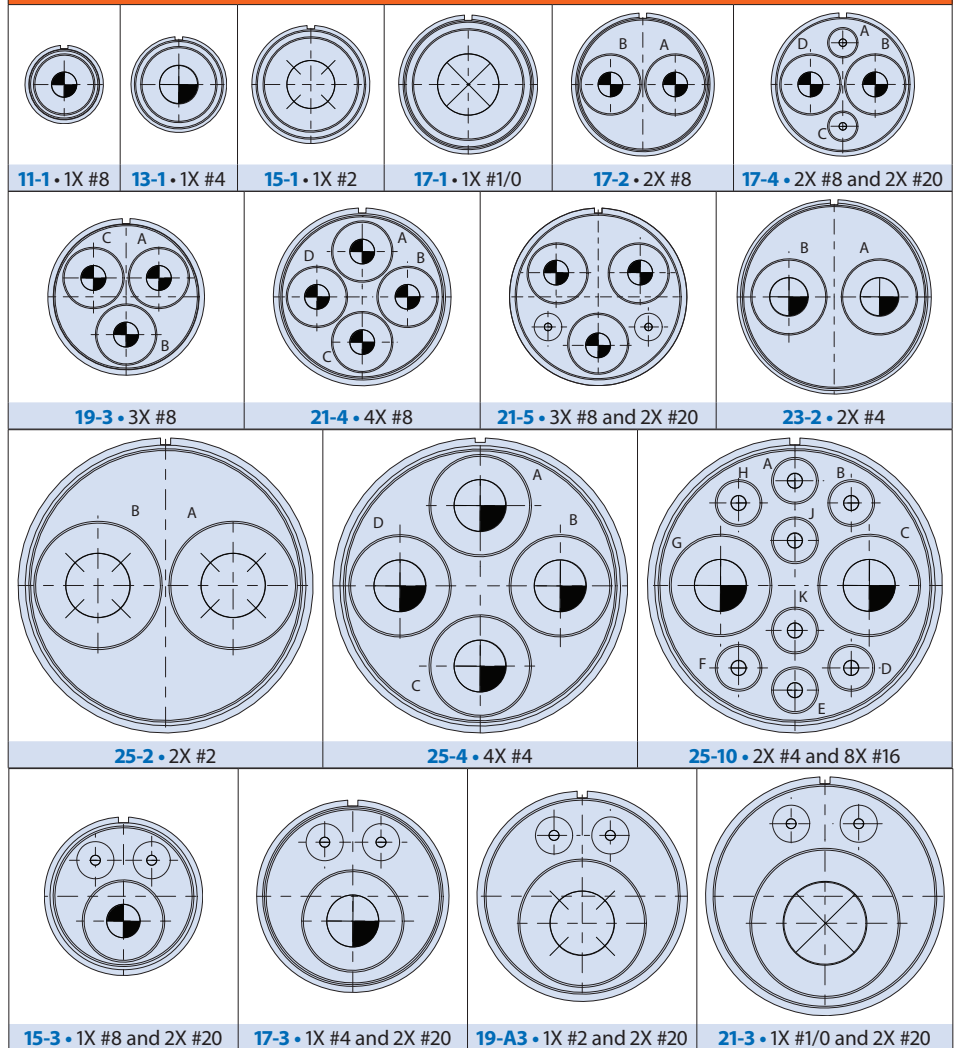
- 973-001 mates with 973-001 of the same size layout, polarization, and opposite gender. Plugs are designed to also mate with 973-002, 973-003, 973-005, and 973-006.
- Standard mounting cutouts and accessory threads / teeth per MIL-DTL-38999 Series III.
- Electrical Performance:
  - DWV: 5000 VAC pin-pin 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	
B		49	169	200	244	
C		66	140	200	257	
21	D	62	145	180	280	
	E	79	153	197	272	
25	F	95	150	180	235	
	G	115	157	185	270	

HOW TO ORDER							
<b>Sample Part Number</b>	973-001	-	05	ME	13-1	P	N
<b>Basic Part Number</b>	973-001 SuperNine PowerPlay Connector						
<b>Rear Accessory Option</b>	- = Accessory Thread and Teeth B = Banding Porch with Shrink Boot Groove						
<b>Connector Style</b>	05 = Receptacle, In-Line						
<b>Connector Material / Finish</b>	NF = Aluminum, CAD/O.D. Over Electroless Nickel MT = Aluminum, Nickel-PTFE ME = Aluminum, Electroless Nickel TZ = Aluminum, Tin Zinc Z1 = Stainless Steel, Passivate						
<b>Size and Layout</b>	See Shell Size / Contact Arrangements Table						
<b>Contact Style</b>	See Contact Style Table						
<b>Polarization</b>	A, B, C, D, E, F, G, N (see Polarization Keys and Keyways table)						

**SHELL SIZE / CONTACT ARRANGEMENTS (FACE OF PIN INSERT)**



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05 IN-LINE RECEPTACLE						
Shell Size-Contact Arr.	A Thread	Ø H	J Thread	Ø M Max	M1	L1 Max
11-1	.7500-.1P-.3L-TS-2A	0.575 (14.60) 0.569 (14.45)	M15 X 1.0-6g 0.100R	0.984 (24.99)	0.821 (20.85)	1.600 (40.64)
13-1	.8750-.1P-.3L-TS-2A	0.687 (17.45) 0.681 (17.30)	M18 X 1.0-6g 0.100R	1.157 (29.39)	0.821 (20.85)	1.600 (40.64)
15-1	1.0000-.1P-.3L-TS-2A	0.812 (20.62) 0.804 (20.42)	M22 X 1.0-6g 0.100R	1.280 (32.51)	0.821 (20.85)	2.000 (50.80)
15-3					0.821 (20.85)	1.600 (40.64)
17-1					0.821 (20.85)	2.000 (50.80)
17-2					0.821 (20.85)	1.600 (40.64)
17-3	1.1875-.1P-.3L-TS-2A	0.937 (23.80) 0.930 (23.62)	M25 X 1.0-6g 0.100R	1.406 (35.71)	0.821 (20.85)	1.600 (40.64)
17-4					0.821 (20.85)	1.600 (40.64)
19-3	1.2500-.1P-.3L-TS-2A	1.042 (26.47) 1.035 (26.29)	M28 X 1.0-6g 0.100R	1.516 (38.51)	0.821 (20.85)	1.600 (40.64)
19-A3					0.821 (20.85)	2.000 (50.80)
21-3	1.3750-.1P-.3L-TS-2A	1.167 (29.64) 1.161 (29.49)	M31 X 1.0-6g 0.100R	1.642 (41.71)	0.791 (20.09)	2.000 (50.80)
21-4					0.791 (20.09)	1.600 (40.64)
23-2	1.5000-.1P-.3L-TS-2A	1.292 (32.82) 1.285 (32.64)	M34 X 1.0-6g 0.100R	1.768 (44.91)	0.791 (20.09)	1.600 (40.64)
25-2	1.6250-.1P-.3L-TS-2A	1.417 (35.99) 1.411 (35.84)	M37 X 1.0-6g 0.100R	1.890 (48.01)	0.791 (20.09)	2.000 (50.80)
25-4					0.791 (20.09)	1.600 (40.64)
25-10					0.791 (20.09)	1.600 (40.64)

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)	850-326 850-309
	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
H	Socket Connector, Reduced Crimp Barrel Crown Ring Socket Contacts (for Size #8 and Size #4 contacts only)	850-326