



Sav-Con® connector savers

MIL-DTL-38999 Series I

941-003 and 942-003 Bayonet Coupling

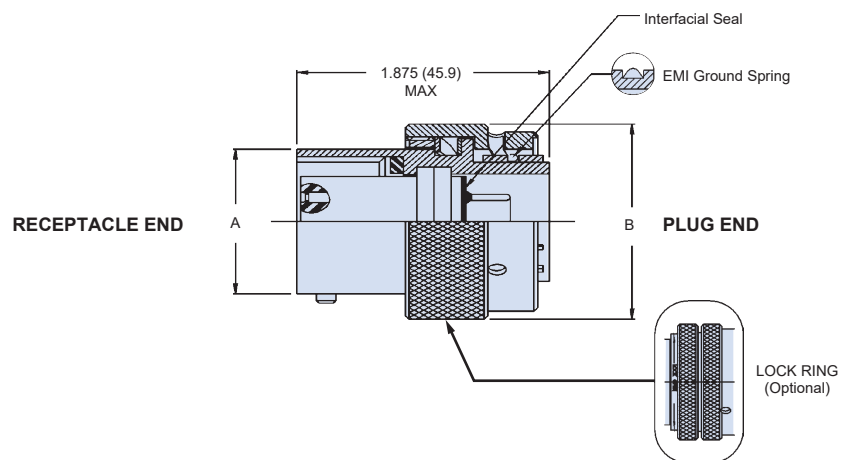


941-003 ENVIRONMENTAL AND 942-003 HIGH RELIABILITY WITH BAYONET COUPLING

How To Order									
Sample Part Number	941	-	003	M	15-35	P	N	S	N
Series	94								
Lock Ring (optional)	L = Lock Ring - (dash) = Standard								
Basic Number	003								
Finish	See Reference Information, Table I								
Shell Size - Insert Arrangement	See Reference Information, Table II								
Contact Type	P = Pins, Plug Side S = Sockets, Plug Side								
Alternate Key Position	A, B, C, D, N = Normal; See Table III								
Mod Code	131 = Dry Lube (Omit for None)								
Alternate Polarization	A, B, C, D, N = normal, U = Universal (optional, omit for normal) See Reference Information, Table III								

*Add Modification Code 131 for dry lubricant on inside surfaces of the coupling nut. May not be suitable for space applications.

Dimensions		
Shell Size	A Max	B Max
09	.573 (14.6)	.910 (23.1)
11	.701 (17.8)	1.035 (26.3)
13	.851 (21.6)	1.210 (30.7)
15	.976 (24.8)	1.330 (33.8)
17	1.101 (28.0)	1.455 (37.0)
19	1.208 (30.7)	1.570 (39.9)
21	1.333 (33.9)	1.695 (43.1)
23	1.458 (37.0)	1.800 (45.7)
25	1.583 (40.2)	1.925 (48.9)



NOTES

- For pin/pin and skt/skt, symmetrical layout only. Consult factory for available insert arrangements
- Power to a given contact on one end will result in power to contact directly opposite, regardless of identification letter
- Insert arrangement is in accordance with MIL-STD-1560. Shown for reference only.
- Electrical safety limits must be established by user. Peak voltage switching surge, transient, etc. should be used to determine the safety application
- If same polarization and opposite gender is desired, contact style and polarization for receptacle side may be omitted
- Alternate polarization 'U' is a non-standard mil-spec option which allows for mating to any QPL manufacturer's MIL-DTL38999, Series I connector having the same shell size insert arrangement, and mating contact size. Universal connectors are intended for use in testing facilities only and should be highly evaluated before consideration in another environment.

INTERMATEABLE WITH THE FOLLOWING CONNECTORS:

PATT 616
NFC C93-422 (HE308)



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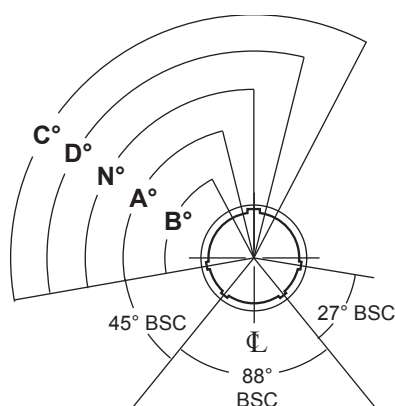
Reference Information



Table I: Material and Finish		
Plating Code	Material	Finish
M	Aluminum	Electroless Nickel
B		Cad Plate, Olive Drab
NF		Cadmium Plate Olive Drab over Electroless Nickel
NC		Zinc-Cobalt
ZN		Olive Drab Zinc-Nickel
MT		Ni-PTFE 1000 Hour Grey™ (Nickel Fluorocarbon Polymer)
ZR		Zinc Nickel, Black
ME		Electroless Nickel (RoHS)
ZL	Stainless Steel	Electro-Deposited Nickel

Table II: Insert Arrangement					
Shell Size Desig.	Insert Arr. Dash No.	Contact Size and Qty			
		22	20	16	12
9	9-3		3		
	9-44	4			
	9-35	6			
	9-98		3		
11	11-2			2	
	11-4		4		
	11-5		5		
	11-6		6		
	11-35	13			
	11-98		6		
	11-99		7		
	13-4			4	
13	13-8		8		
	13-35	22			
	13-98		10		
	15-5			5	
15	15-15		14	1	
	15-18		18		
	15-19		19		
	15-35	37			
	15-97		8	4	
17	17-6				6
	17-8			8	
	17-26		26		
	17-35	55			
	17-99		21	2	
19	19-11			11	
	19-28		26	2	
	19-30		29	1	
	19-32		32		
	19-35	66			
	19-45	67			

Table II: Insert Arrangement					
Shell Size Desig.	Insert Arr. Dash No.	Contact Size and Qty			
		22	20	16	12
21	21-35	79			
	21-11				11
	21-16			16	
	21-24		24		
	21-25		25		
	21-27		27		
	21-39		37	2	
	21-41		41		
23	23-35	100			
	23-2	85			
	23-21			21	
	23-32		32		
	23-34		34		
	23-36		36		
	23-53		53		
	23-55		55		
	23-97			16	
	23-99			11	
25	25-2	100			
	25-4		48	8	
	25-19				19
	25-24			12	12
	25-29			29	
	25-35	128			
	25-43		23	20	
	25-61		61		



**FACE VIEW
RECEPTACLE**

Table III: Main and Alternate Keyway Positions					
Shell Size Desig.	N°	A°	B°	C°	D°
9	95	77	-	-	113
11	95	81	67	123	109
13	95	75	63	127	115
15	95	74	61	129	116
17	95	77	65	125	113
19	95	77	65	125	113
21	95	77	65	125	113
23	95	80	69	121	110
25	95	69	69	121	110

Table IV: Capacitor Array Code Capacitance Range for Filtered Connectors		
Class	Pi - Circuit (pF)	C - Circuit (pF)
X*	160,000 - 240,000	80,000 - 120,000
Y*	80,000 - 120,000	40,000 - 60,000
Z*	60,000 - 90,000	30,000 - 45,000
A	38,000 - 56,000	19,000 - 28,000
B	32,000 - 45,000	16,000 - 22,500
C	18,000 - 33,000	9,000 - 16,500
D	8,000 - 12,000	4,000 - 6,000
E	3,300 - 5,000	1,650 - 2,500
F	800 - 1,300	400 - 650
G	400 - 600	200 - 300
J	70-120	35-60

* Filter Classes X, Y and Z are 250 VDC.
All others are 500 VDC