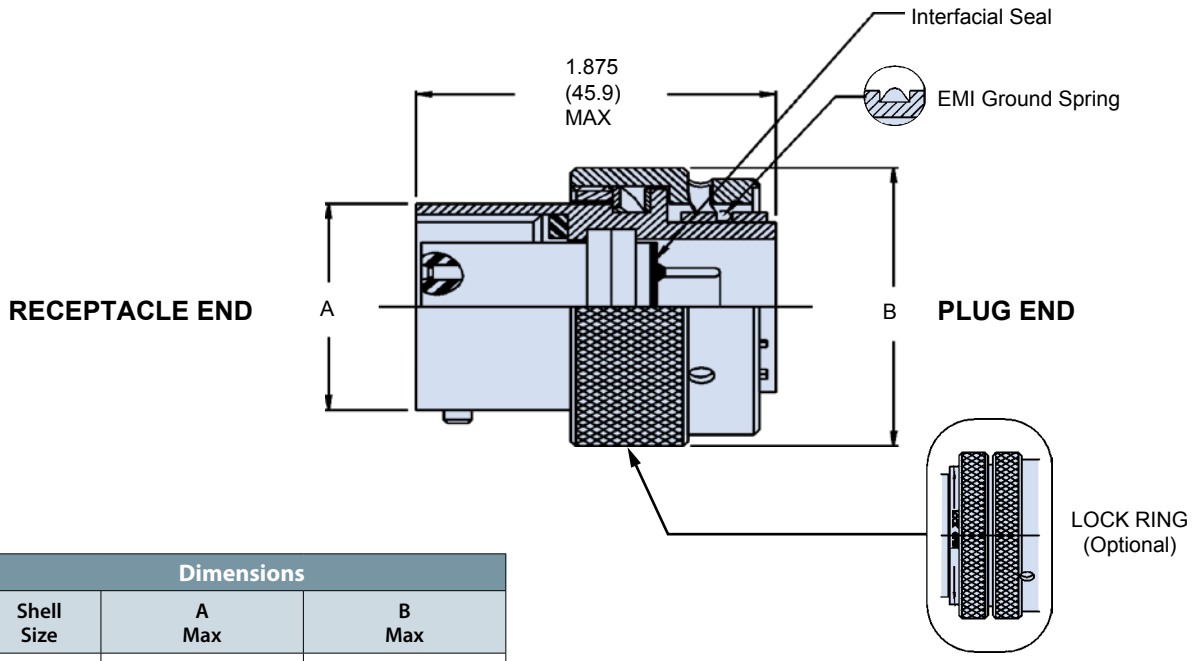
Sav-Con® connector savers
MIL-DTL-38999 Series I
941-003 and 942-003 Bayonet Coupling

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

How To Order									
Sample Part Number	**94**	**1**	**L**	**003**	**M**	**17-35**	**P**	**A**	**131**
Series	**94**								
Class	**1** = Environmental **2** = High Reliability								
Lock Ring (optional)	**L** = Lock Ring **–** (dash) = Standard								
Basic Number	**003**								
Finish	See Table I								
Shell Size - Insert Arrangement	See Table II								
Contact Type	**P** = Pins, Plug Side **S** = Sockets, Plug Side								
Alternate Key Position	**A**, **B**, **C**, **D**, Omit for **N**; See Table III								
Mod Code	**131** = Dry Lube (Omit for None)								

*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)

INTERMATEABLE WITH THE FOLLOWING CONNECTORS:
PATT 616 NFC C93-422 (HE308)

B

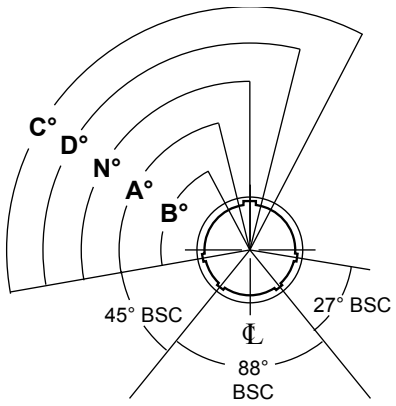
Sav-Con® connector savers
MIL-DTL-38999 Series I
Reference Information

B

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 Flourocarbon 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	13-4			4	
	13-8		8		
	13-35	22			
	13-98		10		
15	15-5			5	
	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		