



Sav-Con® connector savers

MIL-DTL-38999 Series II

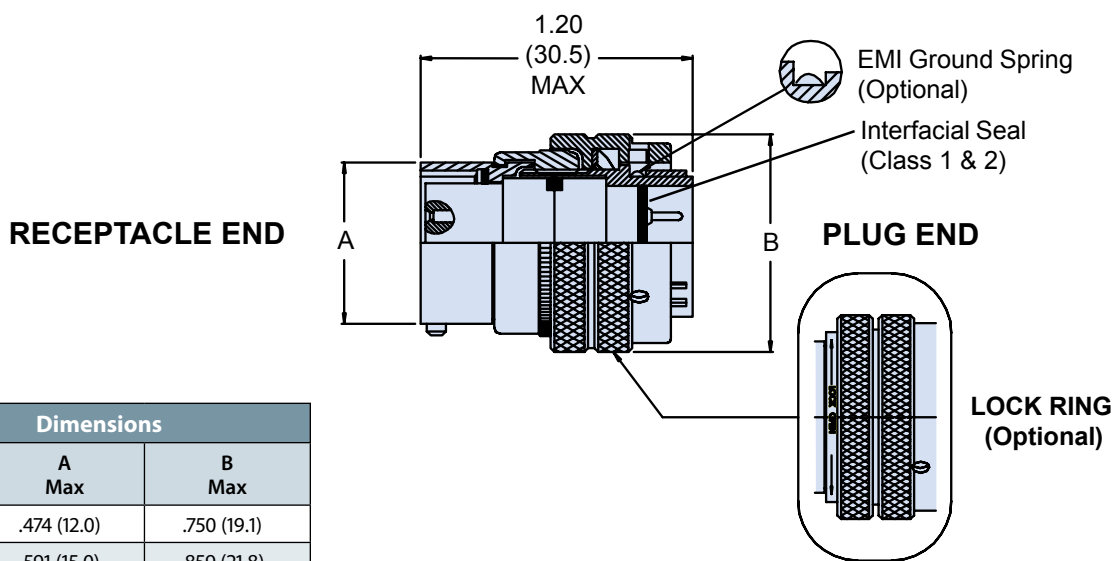
940-004, 941-004 and 942-004 Bayonet Coupling



940-004 GENERAL DUTY, 941-004 ENVIRONMENTAL AND 942-004 HIGH RELIABILITY

How To Order											
Sample Part Number	94	0	L	004	M	16	G	35	P	A	131
Series	94										
Class	0 = General Duty 1 = Environmental 2 = High Reliability										
Lock Ring (optional)	L = Lock Ring – (dash) = Standard										
Basic Number	004										
Finish	See Table I										
Shell Size	8, 10, 12, 14, 16, 18, 20, 22, 24										
EMI Ground	G = EMI Ground Spring (optional) – = Standard										
Insert Arrangement	See Table II										
Contact Type	P = Pins, Plug Side S = Sockets, Plug Side										
Alternate Key Position	A, B, C, D, Omit for Normal; 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
08	.474 (12.0)	.750 (19.1)
10	.591 (15.0)	.859 (21.8)
12	.751 (19.1)	1.031 (26.2)
14	.875 (22.2)	1.156 (29.4)
16	1.001 (25.4)	1.281 (32.5)
18	1.126 (28.6)	1.391 (35.3)
20	1.251 (31.8)	1.531 (38.9)
22	1.376 (35.0)	1.656 (42.1)
24	1.501 (38.1)	1.777 (45.1)

INTERMATEABLE WITH THE FOLLOWING CONNECTORS:

40M38277
PAN 6433-1
NFC C93-422 (HE309)



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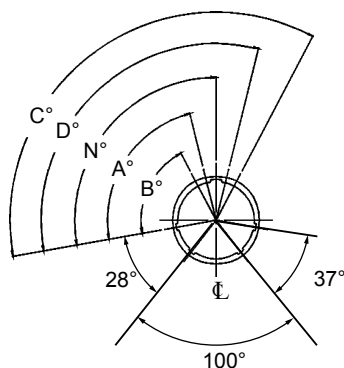
Reference Information



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 Quantity			
		22	20	16	12
8	8-3		3		
	8-35	6			
	8-97	2	2		
	8-98		3		
10	10-5		5		
	10-35	13			
	10-98		6		
	10-99		7		
12	12-3			3	
	12-4			4	
	12-8		8		
	12-35	22			
	12-98		10		
14	14-5			5	
	14-15		14	1	
	14-18		18		
	14-19		19		
	14-35	37			
	14-97		8	4	
16	16-6				6
	16-8			8	
	16-26		26		
	16-42	42			
	16-35	55			
	16-99		21	2	

Table II: Insert Arrangement					
Shell Size Desig.	Insert Arr. Dash No.	Contact Size and Quantity			
		22	20	16	12
18	18-11			11	
	18-28		26	2	
	18-30		29	1	
	18-32		32		
	18-35	66			
	18-45	67			
	18-96				9
20	20-16			16	
	20-24		24		
	20-25		25		
	20-35	79			
	20-39		37	2	
	20-41		41		
22	22-21			21	
	22-32		32		
	22-34		34		
	22-35	100			
	22-36		36		
	22-53		53		
	22-55		55		
	22-97			16	
	22-99			11	
24	24-4		48	8	
	24-19				19
	24-24			12	12
	24-29			29	
	24-35	128			
	25-61		61		



FACE VIEW
RECEPTACLE

NOTE: MASTER KEY AND KEYWAY HAS VARIOUS POSITIONS WHILE MINOR KEYS AND KEYWAYS REMAIN FIXED

Table III: Main and Alternate Keyway Positions					
Shell Size	N°	A°	B°	C°	D°
8	100	82	-	-	118
10	100	86	72	128	114
12	100	80	68	132	120
14	100	79	66	134	121
16	100	82	70	130	118
18	100	82	70	130	118
20	100	82	70	130	118
22	100	85	74	126	115
24	100	85	74	125	115

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