



Sav-Con® connector savers

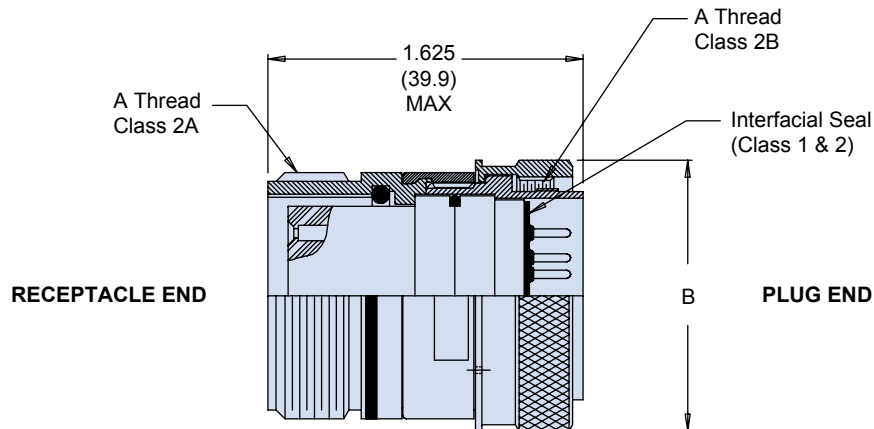
MIL-DTL-83723 Series III

940-007, 941-007, 942-007 Threaded Coupling



940-007 GENERAL DUTY, 941-007 ENVIRONMENTAL AND 942-007 HIGH RELIABILITY

How To Order							
Sample Part Number	94	0	-007	M	16-24	P	N
Series	94						
Class	0 = General Duty 1 = Environmental 2 = High Reliability						
Basic Number	007						
Finish	See Table I						
Shell Size - Insert Arrangement	See Table II						
Contact Type	P = Pins, Plug Side S = Sockets, Plug Side						
Alternate Key Position	1 through 10, N = Normal; See Table III						



Dimensions		
Shell Size	A Thread	B Dia +.0 -.005 (0.13)
08	9/16 - 24 UNEF-2	.776 (19.7)
10	11/16 - 24 UNEF-2	.906 (23.0)
12	7/8 - 24 UNEF-2	1.078 (27.4)
14	15/16 - 24 UNEF-2	1.141 (29.0)
16	1-1/16 - 18 UNEF-2	1.266 (32.2)
18	1-3/16 - 18 UNEF-2	1.375 (34.9)
20	1-5/16 - 18 UNEF-2	1.510 (38.4)
22	1-7/16 - 18 UNEF-2	1.625 (41.3)
24	1-9/16 - 18 UNEF-2	1.760 (44.7)



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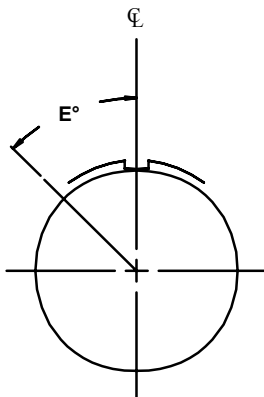
Reference Information



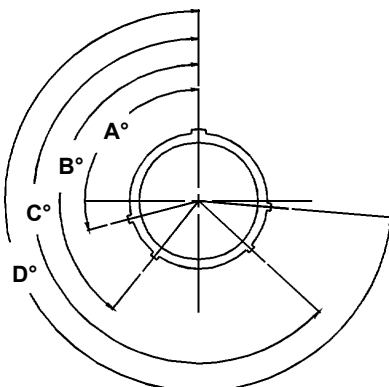
Table I: Material and Finish		
Plating Code	Material	Finish
M	Aluminum	Electroless Nickel
B		Cad Plate, Olive Drab
NF		Cadmium Plate Olive Drab over Electroless Nickel
NC		Zinc-Cobalt
ZN		Olive Drab Zinc-Nickel
MT		Ni-PTFE 1000 Hour Grey™ (Nickel Fluorocarbon Polymer)
ZR		Zinc Nickel, Black
ME		Electroless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

Table II: Insert Arrangement				
Shell Size Design.	Insert Arrangement Dash No.	Contact Size: Quantity		
		20	16	12
08	08-02	2		
	08-03	3		
	08-98	3		
10	10-2	2		
	10-5	5		
	10-6	6		
	10-20	2		
12	12-03		3	
	12-12	12		
14	14-04			4
	14-07		7	
	14-12	9	3	
	14-15	15		
16	16-10		10	
	16-24	24		

Table II: Insert Arrangement				
Shell Size Design.	Insert Arrangement Dash No.	Contact Size: Quantity		
		20	16	12
18	18-08			8
	18-14		14	
	18-31	31		
20	20-16		16	
	20-25	19		6
	20-28	24		4
	20-39	37	2	
	20-41	41		
22	22-12			12
	22-19		19	
	22-32	26		6
	22-39	27	12	
	22-55	55		
24	24-19			19
	24-43	23	20	
	24-57	55		2
	24-61	61		



ROTATED PIN INSERT
POSITION 1 THRU 5



FACE VIEW RECEPTACLE
POSITION N, 6 THRU 10

Table III: Alternate Keway Positions														
Alternate Key Position	Size 8				Size 10				Sizes 12 - 24				Insert Position	
	A°	B°	C°	D°	A°	B°	C°	D°	A°	B°	C°	D°	E°	
N = Normal	105	140	210	265	105	140	215	265	105	140	215	265	0	
1	-	-	-	-	105	140	215	265	105	140	215	265	10	
2	-	-	-	-	105	140	215	265	105	140	215	265	20	
3	-	-	-	-	105	140	215	265	105	140	215	265	30	
4	-	-	-	-	105	140	215	265	105	140	215	265	40	
5	-	-	-	-	105	140	215	265	105	140	215	265	50	
6	102	132	248	320	102	132	248	320	18	149	192	259	0	
7	80	118	230	312	80	118	230	312	92	152	222	342	0	
8	35	140	205	275	35	140	205	275	84	152	204	334	0	
9	64	155	234	304	64	155	234	304	24	135	199	240	0	
10	-	-	-	-	25	115	220	270	98	152	268	336	0	

In alternate positions, the pin insert rotates clockwise while the socket insert rotates counterclockwise the same number of degrees relative to the center line of the master key or keyway.

Table IV: Capacitor Array Code Capacitance Range		
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

Table IV: Capacitor Array Code Capacitance Range		
Class	Pi - Circuit (pF)	C - Circuit (pF)
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