



MIL-C-28840
Connectors and Accessories



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SPECIFICATION SHEET INDEX

Connector Only:

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Receptacle, Wall Mounting	7	10
Receptacle, Cable Mounting	8	11
Receptacle, Box Mounting	9	12
Receptacle, Jam Nut Mounting	10	14
Plug	11	16

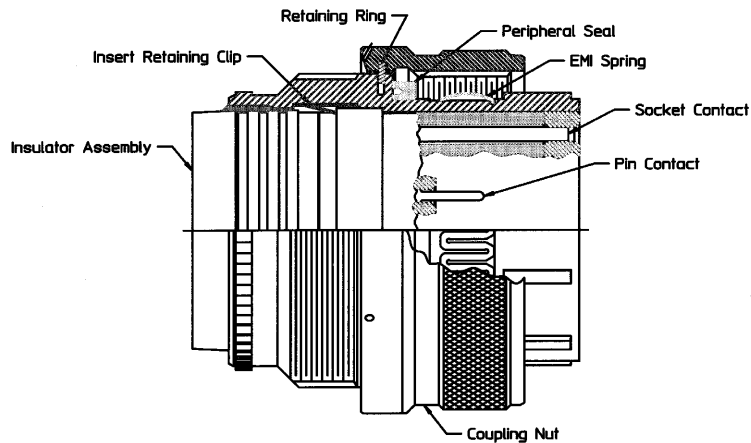
Connector & Accessory:

Plug w/Straight, Open Framed Clamp	12	17
Plug w/90° Open Framed Clamp	12	18
Plug w/45° Open Framed Clamp	12	19
Receptacle w/Straight, Cable Sealing & Shield Termination	13	20
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Plug w/Straight, Cable Sealing & Shield Termination	14	26
Plug w/90°, Cable Sealing & Shield Termination	15	28
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Accessory Only:

Description	Page	Spec Sheet
Str., Open Framed Clamp	17	1
90°, Open Framed Clamp	17	2
45°, Open Framed Clamp	17	3
Straight, Cable Sealing & Shield Termination	18	5
Straight, Cable Sealing & Shield Termination	19	6
Dummy Receptacle, Wall Mtg	22	7
90°, Cable Sealing & Shield Termination	20	8
45°, Cable Sealing & Shield Termination	21	9
Dust Cover, Receptacle	22	13
Dust Cover, Plug	22	15
Metal Conduit Bushing	23	22
Gland Nut	23	23
90°, Cable Sealing & Shield Termination	24	25
45°, Cable Sealing & Shield Termination	25	27
Metal Conduit Coupling	26	30

High Density, High Shock Circular Connector Design Features



Removable crimp front release contacts using standard MS tools.

RFI/EMI Shielding

RFI/EMI suppression is obtained by means of the spring fingers located on the plug. While mating, multiple spring fingers make contact with the receptacle at least .040 inch (1.02 mm) prior to pin and socket electrical contact engagement. Additionally, a metal to metal bonding occurs when accessories are attached to the rear of the connector through a unique spline and ramp design system. This total system provides the most effective RFI/EMI protection available.

Quick Engagement

Double lead-rapid threads provide quick engagement and disengagement of the connector in 2 1/2 turns.

Scoop Proof

100% scoop proof protection on all connectors prevents bent pins and inadvertent electrical contact whether the pins are mounted in the plug or receptacle.

High Density

Maximum contact density is achieved without sacrificing the rugged design required for high shock and vibration, while maintaining connector size to a minimum.

Multiple Keying

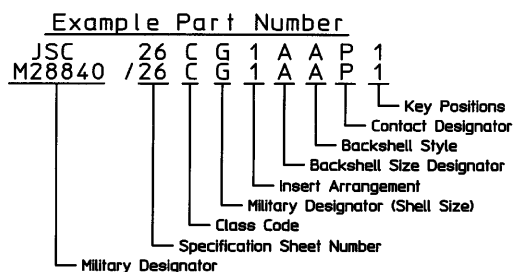
Locksmith keying arrangement allows for alternate insert positions preventing the possibility of mismatching.

Corrosion Resistant

Standard finish (cadmium, olive drab, over nickel) provides excellent protection in excess of 500 hours in a salt spray environment. Stainless steel shells with black cadmium over nickel finish provide excellent protection in areas of direct salt spray exposure.

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How to Order



Military Designator

"M28840" designates assemblies qualified to MIL-C-28840 specification
"JSC" designates Joslyn Sunbank's commercial equivalent

Class Code / Material & Finish

Code letter	Class	Material & Finish
A,C	D,DJ	W aluminum alloy connector and/or backshell with olive drab cadmium over electroless nickel finish
B,E	DS,DJS	D stainless steel connector and/or backshell with black cadmium over electroless nickel finish

Military Designator (Shell Size) and Insert Arrangement

Military Designator	Shell Size	Insert Arrangement	No. of Contacts
A	11	1	7
B	13	1	12
C	15	1	21
D	17	1	31
E	19	1	42
F	23	1	64
G	25	1	92
H	29	1	121
J	33	1	155

Backshell Size Designator (Applies to Specification Sheet Numbers 20, 21, 26, 28 & 29 only)

A, B, C, or D designate the backshell size which accommodates the range of cable diameters shown in the applicable specification sheet (Omit if no backshell)

Backshell Style (Applies to Specification Sheet Numbers 20, 21, 26, 28 & 29 only)

"A" designates RFI/EMI, and environmental backshell termination style
"B" designates environmental backshell termination style
(Omit if no backshell)

Contact Designator

"P" designates #20 pin contact for 22 gauge
"S" designates #20 socket contact for 22 gauge
"D" designates #20 pin contact for 28 gauge
"E" designates #20 socket contact for 28 gauge

"F" designates #20 pin contact for 20 gauge
"G" designates #20 socket contact for 20 gauge
"A" designates pin insert supplied less contacts*
"B" designates socket insert supplied less contacts*

* A and B are used only with JSC designation

Key Positions (Polarization)

1, 2, 3, 4, 5 or 6 designate the alternate keying positions defined on page 6.

MIL-C-28840 Connectors and Accessories

General and Electrical Data
Installation and Removal Tools



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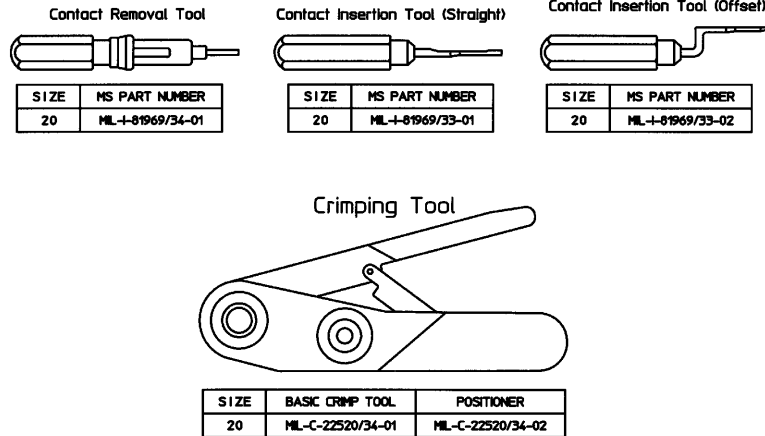
General and Electrical Data

Connector Weights (Less Contacts)

Part Number	Weight	
	Lbs	Grams
JSC10AA1P1	.0478	21.68
JSC10AA1S1	.0531	24.09
JSC10AB1P1	.0598	27.12
JSC10AB1S1	.0646	29.30
JSC10AC1P1	.0754	34.20
JSC10AC1S1	.0842	38.19
JSC10AD1P1	.0900	40.82
JSC10AD1S1	.0986	44.72
JSC10AE1P1	.1096	49.71
JSC10AE1S1	.1213	55.16
JSC10AF1P1	.1380	62.60
JSC10AF1S1	.1536	69.67
JSC10AG1P1	.1452	65.86
JSC10AG1S1	.1662	75.39
JSC10AH1P1	.2098	95.16
JSC10AH1S1	.2334	105.87
JSC10AJ1P1	.2422	109.86
JSC10AJ1S1	.2693	122.15
JSC16AA1P1	.0502	22.77
JSC16AA1S1	.0524	23.77
JSC16AB1P1	.0642	29.12
JSC16AB1S1	.0684	31.03
JSC16AC1P1	.0762	34.56
JSC16AC1S1	.0838	38.01
JSC16AD1P1	.0944	42.82
JSC16AD1S1	.1032	46.81
JSC16AE1P1	.1090	49.44
JSC16AE1S1	.1224	55.52
JSC16AF1P1	.1294	58.69
JSC16AF1S1	.1468	66.59
JSC16AG1P1	.1446	65.59
JSC16AG1S1	.1668	75.66
JSC16AH1P1	.2196	99.61
JSC16AH1S1	.2452	111.22
JSC16AJ1P1	.2530	114.76
JSC16AJ1S1	.2860	129.73

All weights indicated are within .5%

Installation and Removal Tools



Standard Data

Connector Component Description	Material and Finish
Plug Barrel	Aluminum Alloy, Cadmium Over Nickel
Receptacle Shell	Aluminum Alloy, Cadmium Over Nickel
Coupling Nut	Aluminum Alloy, Cadmium Over Nickel
Retaining Ring	Stainless Steel, Passivated
Peripheral Seal	Fluorosilicone Rubber
EMI Spring	Copper Alloy, Cadmium Over Nickel
Insulator Assembly	Hard Dielectric & Fluorosilicone Rubber

EMI Shielding Effectiveness

Frequency (Megahertz)	Attenuation (Decibels) (Min)
100	60
200	50
400	45
600	45
800	35
1000	40

Current Rating

Wire Size	Contact Size	Test Current (Amps)	Maximum Voltage Drop (Millivolts)
20	20	7.5	55
22	20	5.0	73
24	20	3.0	45
26	20	2.0	52
28	20	1.5	54
30	20	1.0	60
32	20	0.5	44

Type A contact with silver plated wire at 25°C ± 3°C

Contact Retention

Contact Size	Min Axial Load (Lbs)
20	20

Wire Sealing Range

Contact Mating End Size	Wire Barrel Size	Wire Size	Sealing Min/Max
20	20	20, 22, 24	.040/.070
20	22	22, 24, 26	.040/.070
20	28	28, 30, 32	.040/.070

Standard Component Part Numbers

Wire Barrel Size	Contact Size	Contact Part Number		Sealing Plug Part Number
		Pin	Socket	
20	20	MIL-C-39029/83-508	MIL-C-39029/84-509	MS27186-1
22	20	MIL-C-39029/83-450	MIL-C-39029/84-452	MS27186-1
28	20	MIL-C-39029/83-451	MIL-C-39029/84-453	MS27186-1

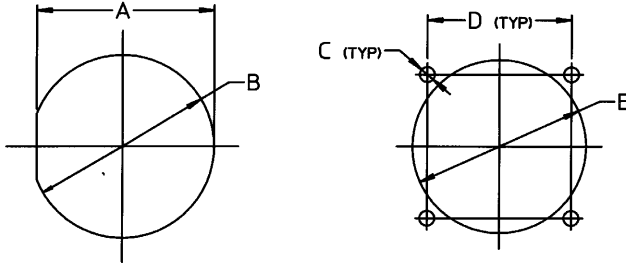
Voltage Rating

1000 Volts RMS dielectric withstanding voltage without breakdown or flashover between contacts or between contacts and shell.



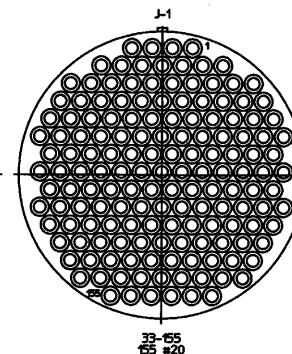
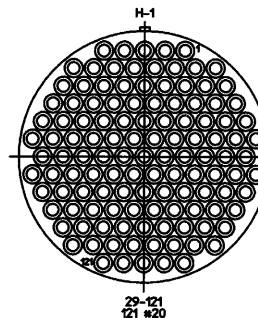
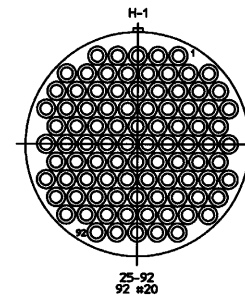
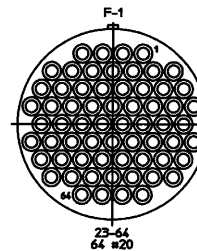
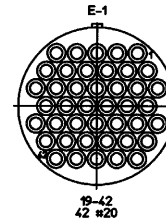
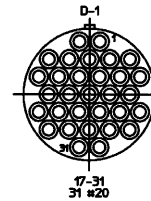
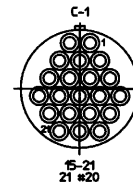
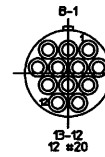
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Receptacle Mounting Dimensions



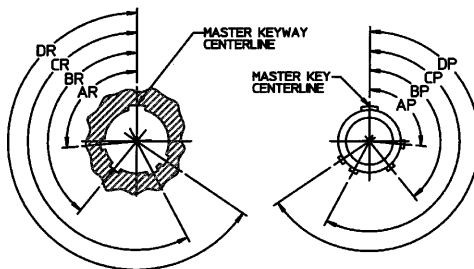
MILITARY DESIGNATOR	SHELL SIZE	MAX ALLOWABLE PANEL THICKNESS	A ± .005 FLAT	B ± .005 DIA	C ± .010 DIA	D ± .005 DIA	E (REF) DIA
A	11	.188 4.78	.848 21.54	.885 22.48	.120 3.05	.750 19.05	.812 20.62
B	13	.188 4.78	.973 24.71	1.010 25.65	.120 3.05	.843 21.41	.937 23.80
C	15	.188 4.78	1.160 29.46	1.198 30.43	.120 3.05	.968 24.59	1.124 28.55
D	17	.188 4.78	1.223 31.06	1.260 32.00	.120 3.05	1.015 25.78	1.187 30.15
E	19	.188 4.78	1.410 35.81	1.448 36.78	.120 3.05	1.140 28.96	1.374 34.90
F	23	.188 4.78	1.598 40.59	1.635 41.53	.120 3.05	1.281 32.54	1.562 39.67
G	25	.188 4.78	1.723 43.76	1.760 44.70	.147 3.73	1.392 35.36	1.687 42.85
H	29	.188 4.78	1.910 48.51	1.948 49.48	.147 3.73	1.568 39.83	1.937 49.20
J	33	.188 4.78	2.098 53.29	2.135 54.23	.173 4.39	1.734 44.04	2.124 53.95

Insert Arrangements



Polarization For Plug Keys and Receptacle Keyways

Receptacle Plug



MILITARY DESIGNATOR	SHELL SIZE	KEY POSITION	AR ^a or AP ^a BSC	BR ^a or BP ^a BSC	CR ^a or CP ^a BSC	DR ^a or DP ^a BSC
A B	11 13	1	95	141	208	236
		2	113	156	182	292
		3	90	145	195	252
		4	53	156	220	255
		5	119	146	176	298
		6	51	141	184	242
C D	15 17	1	80	142	196	293
		2	135	170	200	310
		3	49	169	200	244
		4	66	140	200	257
		5	62	145	180	280
		6	79	153	197	272
E F G H J	19 23 25 29 33	1	80	142	196	293
		2	135	170	200	310
		3	49	169	200	244
		4	66	140	200	257
		5	62	145	180	280
		6	79	153	197	272

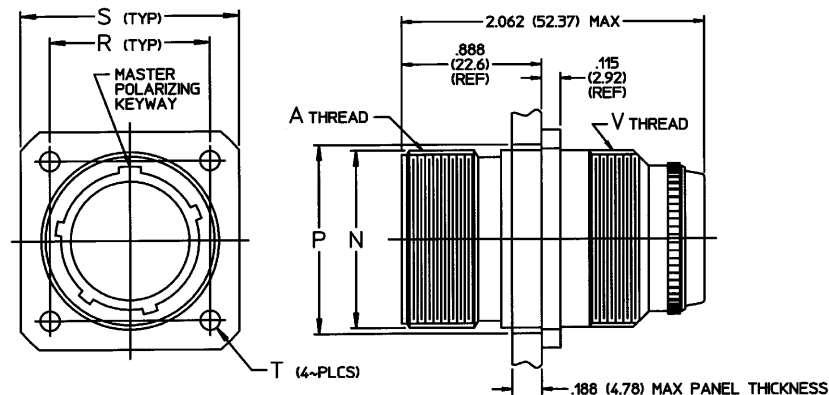
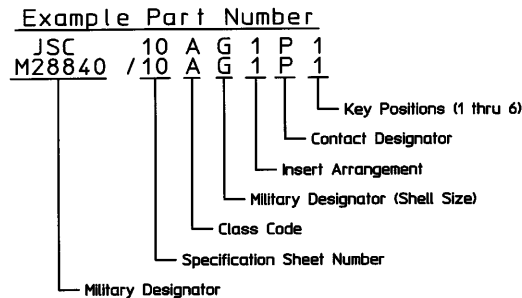
MIL-C-28840 Connectors and Accessories

Connectors
Receptacle, Wall Mounting



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Connector Receptacle, Wall Mounting
M28840/10 Military Designator
JSC10 Joslyn Sunbank Designator
Class D and DS

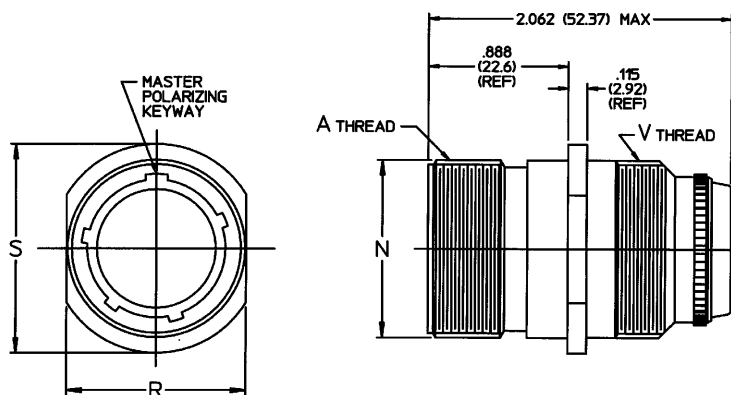
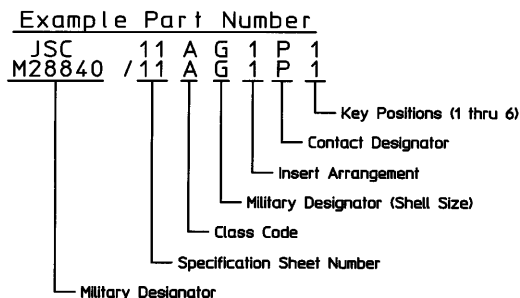


MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2A	V THREAD CLASS - 2A	N MAX DIA	P (REF) MOUNTING HOLE	R (REF) £ TO £	S (REF) DIM	T (REF) DIA
A	11	.750- P -2L-D.S.	.750-20 UNEF	.750	19.05	.812 20.62	.750 19.05 10.23 25.98	.123 3.12
B	13	.875- P -2L-D.S.	.875-20 UNEF	.875	22.22	.937 23.80	.843 21.41 1.138 28.91	.123 3.12
C	15	1.062- P -2L-D.S.	1.000-20 UNEF	1.062	26.97	1.124 28.55	.968 24.59 1.258 31.95	.123 3.12
D	17	1.125- P -2L-D.S.	1.125-18 UNEF	1.125	28.58	1.187 30.15	1.015 25.78 1.383 35.13	.123 3.12
E	19	1.312- P -2L-D.S.	1.250-18 UNEF	1.312	33.32	1.374 34.90	1.140 28.96 1.508 38.30	.123 3.12
F	23	1.500- P -2L-D.S.	1.438-18 UNEF	1.500	38.10	1.562 39.67	1.281 32.54 1.718 43.64	.123 3.12
G	25	1.625- P -2L-D.S.	1.562-18 UNEF	1.625	41.28	1.687 42.85	1.392 35.36 1.818 46.18	.150 3.81
H	29	1.812- P -2L-D.S.	1.875-16 UN	1.812	46.02	1.874 47.60	1.568 39.83 2.138 54.31	.150 3.81
J	33	2.000- P -2L-D.S.	2.062-16 UNS	2.000	50.80	2.062 52.37	1.734 44.04 2.328 59.13	.176 4.47



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Connector Receptacle, Cable Connecting
M28840/11 Military Designator
JSC11 Joslyn Sunbank Designator
Class D and DS



MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2A	V THREAD CLASS - 2A	N MAX DIA	R (REF) DIM	S (REF) DIA
A	11	.750-1P-2L-D.S.	.750-20 UNEF	.750 19.05	.763 19.38	.953 24.21
B	13	.875-1P-2L-D.S.	.875-20 UNEF	.875 22.22	.888 22.56	1.076 27.33
C	15	1.062-1P-2L-D.S.	1.000-20 UNEF	1.062 26.97	1.075 27.31	1.265 32.13
D	17	1.125-1P-2L-D.S.	1.125-18 UNEF	1.125 28.58	1.138 28.91	1.328 33.73
E	19	1.312-1P-2L-D.S.	1.250-18 UNEF	1.312 33.32	1.325 33.66	1.515 38.48
F	23	1.500-1P-2L-D.S.	1.438-18 UNEF	1.500 38.10	1.513 38.43	1.703 43.26
G	25	1.625-1P-2L-D.S.	1.562-18 UNEF	1.625 41.28	1.638 41.61	1.828 46.43
H	29	1.812-1P-2L-D.S.	1.875-16 UN	1.812 46.02	1.888 47.96	2.078 52.78
J	33	2.000-1P-2L-D.S.	2.062-16 UNS	2.000 50.80	2.075 52.71	2.265 57.53

Connector Receptacle, Box Mounting
M28840/12 Military Designator
JSC12 Joslyn Sunbank Designator
Class D and DS

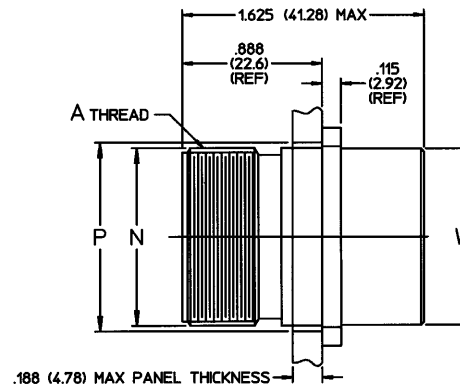
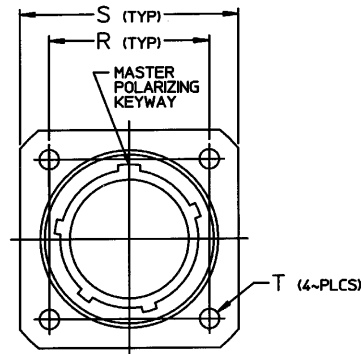


Figure 1

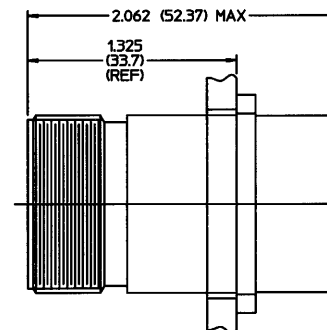
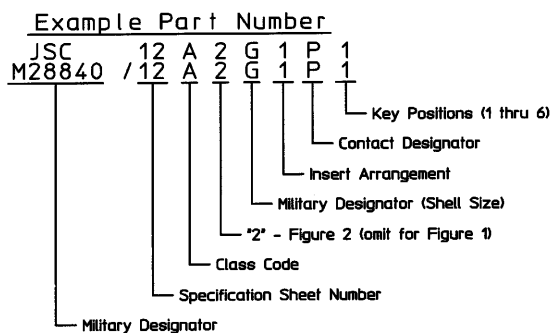


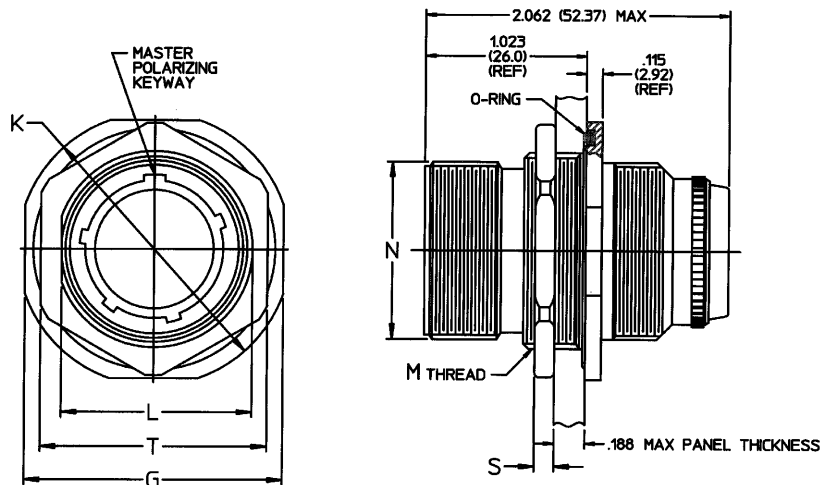
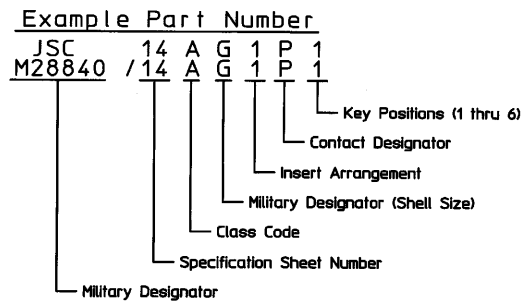
Figure 2

(Same as Figure 1, except as shown)

MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2A	V THREAD CLASS - 2A	N MAX DIA	P (REF) MOUNTING HOLE	R (REF) £ TO £	S (REF) DIM	T (REF) DIA	W MAX DIA	
A	11	.750-1P-2L-D.S.	.750-20 UNEF	.750	19.05	.812 20.62	.750 19.05	1.023 26.0	.123 3.12	.758 19.25
B	13	.875-1P-2L-D.S.	.875-20 UNEF	.875	22.22	.937 23.80	.843 21.41	1.138 28.9	.123 3.12	.880 22.35
C	15	1.062-1P-2L-D.S.	1.000-20 UNEF	1.062	26.97	1.124 28.55	.968 24.59	1.258 32.0	.123 3.12	1.005 25.53
D	17	1.125-1P-2L-D.S.	1.125-18 UNEF	1.125	28.58	1.187 30.15	1.015 25.78	1.383 35.1	.123 3.12	1.130 28.70
E	19	1.312-1P-2L-D.S.	1.250-18 UNEF	1.312	33.32	1.374 34.90	1.140 28.96	1.508 38.3	.123 3.12	1.255 31.88
F	23	1.500-1P-2L-D.S.	1.438-18 UNEF	1.500	38.10	1.562 39.67	1.281 32.54	1.718 43.6	.123 3.12	1.443 36.65
G	25	1.625-1P-2L-D.S.	1.562-18 UNEF	1.625	41.28	1.687 42.85	1.392 35.36	1.818 46.2	.150 3.81	1.567 39.80
H	29	1.812-1P-2L-D.S.	1.875-16 UN	1.812	46.02	1.874 47.60	1.568 39.83	2.138 54.3	.150 3.81	1.880 47.75
J	33	2.000-1P-2L-D.S.	2.062-16 UNS	2.000	50.80	2.062 52.37	1.734 44.04	2.328 59.1	.176 4.47	2.067 52.50

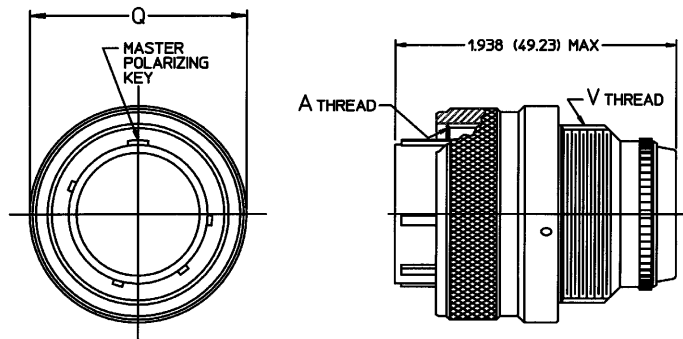
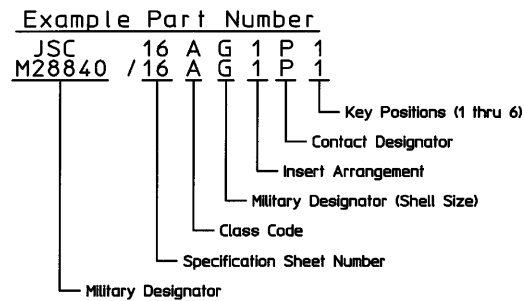
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Connector Receptacle, Jam Nut Mounting
M28840/14 Military Designator
JSC14 Joslyn Sunbank Designator
Class D and DS



MILITARY DESIGNATOR	SHELL SIZE	M THREAD CLASS - 2A	G (REF) ACROSS FLATS	K (REF) DIA	L (REF) ACROSS FLAT	N MAX DIA	S (REF) DIM	T (REF) HEX
A	11	.875-20 UNEF	1.264 32.11	1.358 34.49	.837 21.26	.750 19.05	.125 3.18	1.062 26.97
B	13	1.000-20 UNEF	1.389 35.28	1.498 38.05	.962 24.43	.875 22.22	.125 3.18	1.188 30.18
C	15	1.188-18 UNEF	1.577 40.06	1.671 42.44	1.149 29.18	1.062 26.97	.125 3.18	1.375 34.93
D	17	1.250-18 UNEF	1.639 41.63	1.733 44.02	1.212 30.78	1.125 28.58	.125 3.18	1.438 36.53
E	19	1.438-18 UNEF	1.827 46.41	1.921 48.79	1.399 35.53	1.312 33.32	.125 3.18	1.625 41.28
F	23	1.625-18 UNEF	2.014 51.16	2.108 53.54	1.587 40.31	1.500 38.10	.125 3.18	1.812 46.02
G	25	1.750-18 UNS	2.139 54.33	2.233 56.72	1.712 43.48	1.625 41.28	.189 4.80	2.000 50.80
H	29	1.938-16 UN	2.327 59.11	2.425 61.60	1.899 48.23	1.812 46.02	.189 4.80	2.188 55.58
J	33	2.125-16 UN	2.514 63.86	2.608 66.24	2.087 53.01	2.000 50.80	.189 4.80	2.375 60.33

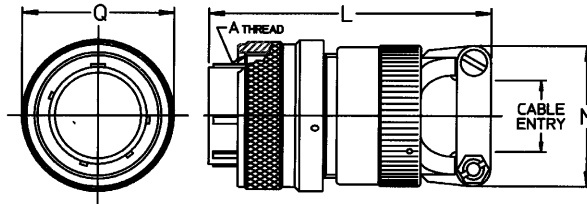
Connector Plug
M28840/16 Military Designator
JSC16 Joslyn Sunbank Designator
Class D and DS



MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2B	V THREAD CLASS - 2A	Q MAX DIA
A	11	.750-1P-2L-D.S.	.750-20 UNEF	1.028 26.11
B	13	.875-1P-2L-D.S.	.875-20 UNEF	1.141 28.98
C	15	1.062-1P-2L-D.S.	1.000-20 UNEF	1.263 32.08
D	17	1.125-1P-2L-D.S.	1.125-18 UNEF	1.387 35.23
E	19	1.312-1P-2L-D.S.	1.250-18 UNEF	1.513 38.43
F	23	1.500-1P-2L-D.S.	1.438-18 UNEF	1.703 43.26
G	25	1.625-1P-2L-D.S.	1.562-18 UNEF	1.825 46.36
H	29	1.812-1P-2L-D.S.	1.875-16 UN	2.143 54.43
J	33	2.000-1P-2L-D.S.	2.062-16 UNS	2.329 59.16

Web link to Sunbank
www.sunbankcorp.com

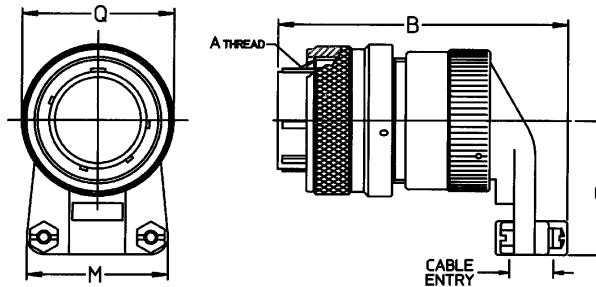
Connector Plug with Accessory, Straight
Open Framed Strain Relief Clamp
M28840/17 Military Designator
JSC17 Joslyn Sunbank Designator



Example Part Number

JSC
 M28840 / 17 A G 1 P 1
 A G 1 P 1
 Key Positions (1 thru 6)
 Contact Designator
 Insert Arrangement
 Military Designator (Shell Size)
 Class Code
 Specification Sheet Number
 Military Designator

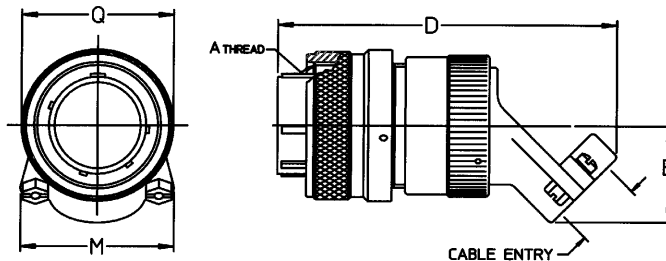
Connector Plug with Accessory, 90 °
Open Framed Strain Relief Clamp
M28840/18 Military Designator
JSC18 Joslyn Sunbank Designator



Example Part Number

JSC
 M28840 / 18 A G 1 P 1
 18 A G 1 P 1
 Key Positions (1 thru 6)
 Contact Designator
 Inert Arrangement
 Military Designator (Shell Size)
 Class Code
 Specification Sheet Number
 Military Designator

Connector Plug with 45 Accessory
Open Framed Strain Relief Clamp
M28840/19 Military Designator
JSC19 Joslyn Sunbank Designator



Example Part Number

JSC	19	A	G	1	P	1
M28840	/19	A	G	1	P	1

Key Positions (1 thru 6)
 Contact Designator
 Insert Arrangement
 Military Designator (Shell Size)
 Class Code
 Specification Sheet Number
 Military Designator

MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2B	B MAX DIM		C MAX DIM		D MAX DIM		E MAX DIM		Q MAX DIA		L MAX DIM		M MAX DIA		CABLE ENTRY			
																	MIN	MAX		
A	11	.750-P-2L-D.S.	2.562	65.07	.929	23.60	3.125	79.38	.928	23.57	10.28	26.11	2.438	61.93	.832	21.13	.177	4.50	.286	7.26
B	13	.875-P-2L-D.S.	2.562	65.07	.929	23.60	3.125	79.38	.928	23.57	11.41	28.98	2.438	61.93	.832	21.13	.177	4.50	.286	7.26
C	15	1.062-1P-2L-D.S.	2.750	69.85	1.056	26.82	3.250	82.55	.991	25.17	12.63	32.08	2.438	61.93	.989	25.12	.250	6.35	.416	10.57
D	17	1.125-P-2L-D.S.	2.875	73.03	1.233	31.32	3.312	84.12	1.110	28.19	13.87	35.23	2.688	68.28	1.094	27.79	.291	7.39	.476	12.09
E	19	1.312-P-2L-D.S.	3.000	76.20	1.296	32.92	3.375	85.73	1.172	29.77	15.19	38.43	2.812	71.42	1.319	33.50	.348	8.84	.626	15.90
F	23	1.500-P-2L-D.S.	3.125	79.38	1.358	34.49	3.388	87.33	1.235	31.77	17.03	43.26	2.938	74.63	1.557	39.55	.429	10.90	.831	21.11
G	25	1.625-P-2L-D.S.	3.250	82.55	1.420	36.07	3.500	88.90	1.297	32.94	18.26	46.36	3.062	77.67	1.653	41.99	.523	13.28	.956	24.28
H	29	1.812-P-2L-D.S.	3.375	85.73	1.634	41.50	3.750	95.25	1.543	39.19	21.43	54.43	3.188	80.98	1.819	46.20	.643	16.33	1.081	27.46
J	33	2.000-P-2L-D.S.	3.438	87.33	1.859	47.22	3.875	98.43	1.668	42.37	23.29	59.16	3.375	85.73	2.020	51.31	.704	17.88	1.187	30.76

NOTES:

2. Cable entry is defined as the wire bundle accommodation range. It is not meant to define the clamp hardware limits.

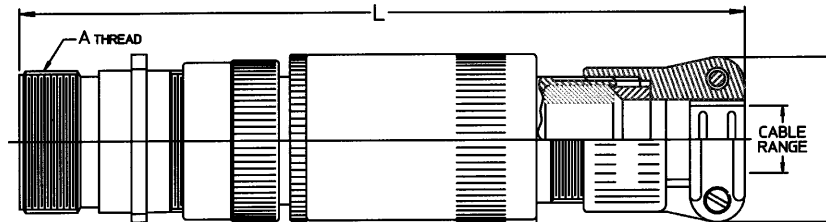
MIL-C-28840 Connectors and Accessories

Receptacle, w/Straight, Cable Sealing and Shield Termination



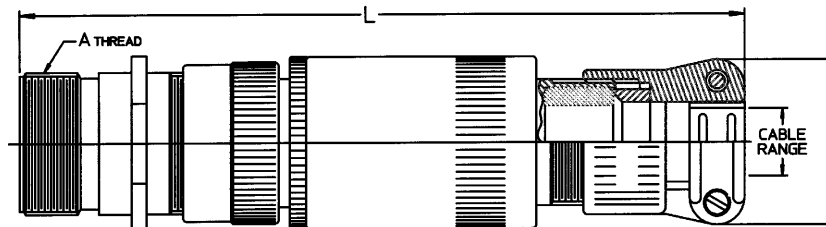
Web link to Sunbank
www.sunbankcorp.com

Connector Receptacle with Straight Accessory
Cable Sealing & Shield Termination
M28840/20 Military Designator
JSC20 Joslyn Sunbank Designator



Example Part Number
JSC M28840 / ** C G 1 A A P 1
Military Designator Specification Sheet Number Class Code Military Designator (Shell Size) Insert Arrangement Backshell Size Designator Contact Designator Key Positions (1 thru 6)

Connector Receptacle with Straight Accessory
Cable Sealing & Shield Termination
M28840/21 Military Designator
JSC21 Joslyn Sunbank Designator



MILITARY DESIGNATOR	SHELL SIZE	ASSEMBLY NUMBER	ASSEMBLY NUMBER	A THREAD CLASS - 2*	E MAX DIA	L MAX DIM	CABLE ENTRY	
							MIN	MAX
A	11	M28840/20wAaA***	M28840/21wAaA***	.750-.1P-.2L-D.S.	.938 23.83	6.625 168.3	.188 4.78	.312 7.92
A	11	M28840/20wAaB***	M28840/21wAaB***		1.125 28.58		.281 7.14	.438 11.13
A	11	M28840/20wAaC***	M28840/21wAaC***		1.312 33.32		.344 8.74	.562 14.27
B	13	M28840/20wBaA***	M28840/21wBaA***	.875-.1P-.2L-D.S.	.938 23.83	7.125 181.0	.188 4.78	.312 7.92
B	13	M28840/20wBaB***	M28840/21wBaB***		1.125 28.58		.281 7.14	.438 11.13
B	13	M28840/20wBaC***	M28840/21wBaC***		1.312 33.32		.344 8.74	.562 14.27
C	15	M28840/20wCaA***	M28840/21wCaA***	1.062-.1P-.2L-D.S.	1.125 28.58	6.625 168.3	.281 7.14	.438 11.13
C	15	M28840/20wCaB***	M28840/21wCaB***		1.312 33.32		.344 8.74	.562 14.27
C	15	M28840/20wCaC***	M28840/21wCaC***		1.593 40.46		.438 11.13	.750 19.05
D	17	M28840/20wDaA***	M28840/21wDaA***	1.125-.1P-.2L-D.S.	.938 23.83	7.125 181.0	.188 4.78	.312 7.92
D	17	M28840/20wDaB***	M28840/21wDaB***		1.312 33.32		.375 9.53	.625 15.88
D	17	M28840/20wDaC***	M28840/21wDaC***		1.593 40.46		.438 11.13	.750 19.05
E	19	M28840/20wEaA***	M28840/21wEaA***	1.312-.1P-.2L-D.S.	1.750 44.45	7.125 181.0	.625 15.88	.938 23.83
E	19	M28840/20wEaB***	M28840/21wEaB***		1.312 33.32		.375 9.53	.625 15.88
F	23	M28840/20wFaA***	M28840/21wFaA***	1.500-.1P-.2L-D.S.	1.593 40.46	7.688 195.3	.438 11.13	.750 19.05
F	23	M28840/20wFaB***	M28840/21wFaB***		1.750 44.45		.625 15.88	.938 23.83
F	23	M28840/20wFaC***	M28840/21wFaC***		2.093 53.16		.812 20.62	1.188 30.18
G	25	M28840/20wGaA***	M28840/21wGaA***	1.625-.1P-.2L-D.S.	1.750 44.45	8.438 214.3	.625 15.88	.938 23.83
G	25	M28840/20wGaB***	M28840/21wGaB***		2.093 53.16		.812 20.62	1.188 30.18
G	25	M28840/20wGaC***	M28840/21wGaC***		2.343 59.51		.875 22.23	1.250 31.75
H	29	M28840/20wHaA***	M28840/21wHaA***	1.812-.1P-.2L-D.S.	2.343 59.51	8.500 215.9	1.000 25.40	1.380 35.05
H	29	M28840/20wHaB***	M28840/21wHaB***		2.343 59.51		1.000 25.40	1.380 35.05
J	33	M28840/20wJaA***	M28840/21wJaA***	2.000-.1P-.2L-D.S.	2.750 69.85	8.750 222.3	1.250 31.75	1.625 41.28
J	33	M28840/20wJaB***	M28840/21wJaB***		2.750 69.85		1.250 31.75	1.625 41.28

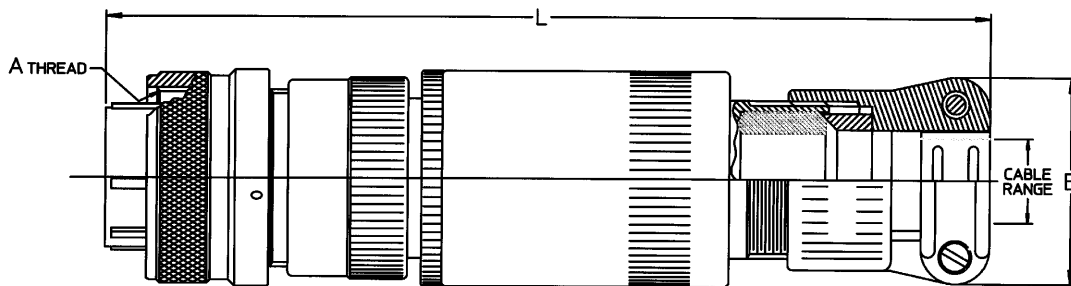
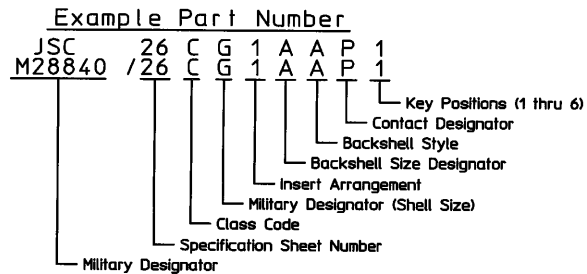
NOTES:

1. /20 is made up of a M28840/10 receptacle connector and a M28840/6 backshell and mates to plug connectors specified in MIL-C-28840/16, 17, 18, 19, 26, 28 & 29. /21 is made up of a M28840/11 receptacle connector and a M28840/6 backshell and mates to plug connectors specified in MIL-C-28840/16, 17, 18, 19, 26, 28 & 29.
2. Cable entry is defined as the wire bundle accommodation range. It is not meant to define the clamp hardware limits.



Web link to Sunbank
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Connector Plug with Straight Accessory
Cable Sealing & Shield Termination
M28840/26 Military Designator
JSC26 Joslyn Sunbank Designator

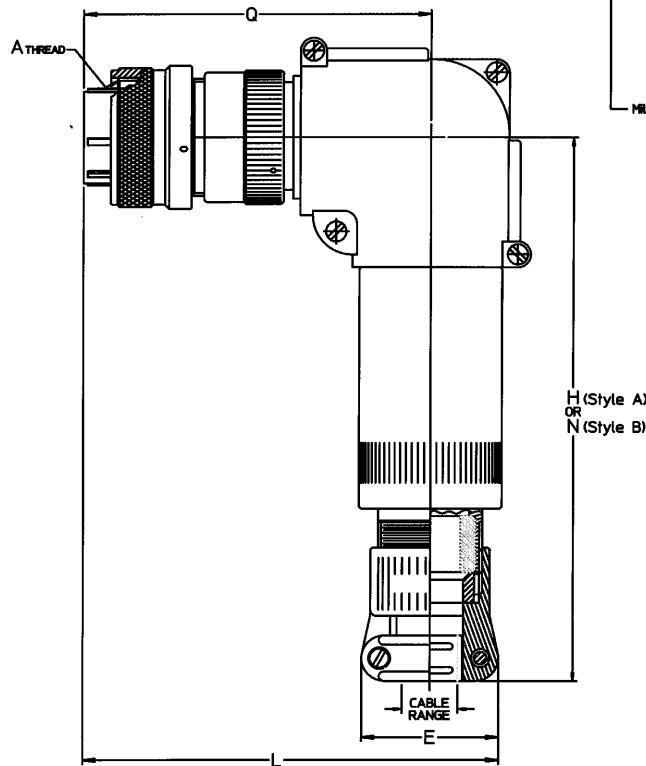


MILITARY DESIGNATOR	SHELL SIZE	ASSEMBLY NUMBER	A THREAD CLASS - 2B	E MAX DIA	L MAX DIM	CABLE ENTRY			
						MIN		MAX	
A	11	M28840/26*A*A***	.750-.1P-.2L-D.S.	.938 23.83	6.500 165.1	.188 4.78	.312	7.92	
A	11	M28840/26*A*B***		1.125 28.58		.281 7.14	.438	11.13	
A	11	M28840/26*A*C***		1.312 33.32		.344 8.74	.562	14.27	
B	13	M28840/26*B*B***	.875-.1P-.2L-D.S.	1.125 28.58	7.000 177.8	.281 7.14	.438	11.13	
B	13	M28840/26*B*C***		1.312 33.32		.344 8.74	.562	14.27	
B	13	M28840/26*B*D***		1.312 33.32		.375 9.53	.625	15.88	
C	15	M28840/26*C*A***	1.062-.1P-.2L-D.S.	1.125 28.58	6.500 165.1	.281 7.14	.438	11.13	
C	15	M28840/26*C*B***		1.312 33.32		.344 8.74	.562	14.27	
C	15	M28840/26*C*C***		1.312 33.32		.375 9.53	.625	15.88	
C	15	M28840/26*C*D***	1.062-.1P-.2L-D.S.	1.593 40.46	7.000 177.8	.438 11.13	.750	19.05	
D	17	M28840/26*D*A***		1.312 33.32		.375 9.53	.625	15.88	
D	17	M28840/26*D*B***		1.593 40.46		.438 11.13	.750	19.05	
E	19	M28840/26*E*A***	1.312-.1P-.2L-D.S.	1.312 33.32	7.500 190.5	.375 9.53	.625	15.88	
E	19	M28840/26*E*B***		1.750 44.45		.625 15.88	.938	23.83	
F	23	M28840/26*F*A***	1.500-.1P-.2L-D.S.	1.593 40.46	7.625 193.7	.438 11.13	.750	19.05	
F	23	M28840/26*F*B***		1.750 44.45		.625 15.88	.938	23.83	
F	23	M28840/26*F*C***		2.093 53.16		.812 20.62	1.188	30.18	
G	25	M28840/26*G*A***	1.625-.1P-.2L-D.S.	1.750 44.45	7.625 193.7	.625 15.88	.938	23.83	
G	25	M28840/26*G*B***		2.093 53.16		.812 20.62	1.188	30.18	
G	25	M28840/26*G*C***		2.093 53.16		.875 22.23	1.250	31.75	
G	25	M28840/26*G*D***	1.625-.1P-.2L-D.S.	2.343 59.51	8.312 211.1	1.000 25.40	1.380	35.05	
H	29	M28840/26*H*A***		2.093 53.16		.812 20.62	1.188	30.18	
H	29	M28840/26*H*B***		2.343 59.51		1.000 25.40	1.380	35.05	
J	33	M28840/26*J*A***	2.000-.1P-.2L-D.S.	2.343 59.51	8.625 219.1	1.000 25.40	1.380	35.05	
J	33	M28840/26*J*B***		2.750 69.85		1.250 31.75	1.625	41.28	

NOTES:

- Assembly is made up of a M28840/16 connector and a M28840/6 backshell and mates to receptacle connectors specified in MIL-C-28840/7, 10, 11, 12, 14, 20 & 21
- Cable entry is defined as the wire bundle accommodation range. It is not meant to define the clamp hardware limits.

Connector Plug with 90° Accessory
Cable Sealing & Shield Termination
M28840/28 Military Designator
JSC28 Joslyn Sunbank Designator



Example Part Number
JSC 28 C G 1 A A P 1
M28840 /28 C G 1 A A P 1

Key Positions (1 thru 6)
Contact Designator
Backshell Style
Backshell Size Designator
Insert Arrangement
Military Designator (Shell Size)
Class Code
Specification Sheet Number
Military Designator

MILITARY DESIGNATOR	SHELL SIZE	ASSEMBLY NUMBER	A THREAD CLASS - 28	E (REF) DIA	H MAX (STYLE A) DIM	N MAX (STYLE B) DIM	L MAX DIM	Q MAX DIA	CABLE ENTRY								
									MIN MAX								
A	11	M28840/28-A-A-A-A-A-A	.750-.1P-.2L-D.S.	.938	23.83	5.332	135.4	2.962	75.23	4.139	105.1	3.306	83.97	.188	4.78	.312	7.92
A	11	M28840/28-A-A-B-A-A-A		1.125	28.58	5.332	135.4	2.962	75.23	4.139	105.1	3.306	83.97	.281	7.14	.438	11.13
A	11	M28840/28-A-A-C-A-A-A		1.312	33.32	5.457	138.6	3.087	78.41	4.389	111.5	3.431	87.15	.344	8.74	.562	14.27
B	13	M28840/28-B-A-A-A-A-A	.875-.1P-.2L-D.S.	.938	23.83	5.332	135.4	2.962	75.23	4.139	105.1	3.306	83.97	.188	4.78	.312	7.92
B	13	M28840/28-B-A-B-A-A-A		1.125	28.58	5.332	135.4	2.962	75.23	4.139	105.1	3.306	83.97	.281	7.14	.438	11.13
B	13	M28840/28-B-A-C-A-A-A		1.312	33.32	5.457	138.6	3.087	78.41	4.389	111.5	3.431	87.15	.344	8.74	.562	14.27
B	13	M28840/28-B-A-D-A-A-A	1.062-.1P-.2L-D.S.	1.312	33.32	5.682	144.3	3.312	84.12	4.639	117.8	3.556	90.32	.375	9.53	.625	15.88
C	15	M28840/28-C-A-A-A-A-A		1.125	28.58	5.457	138.6	3.087	78.41	4.389	111.5	3.431	87.15	.281	7.14	.438	11.13
C	15	M28840/28-C-A-B-A-A-A		1.312	33.32	5.457	138.6	3.087	78.41	4.389	111.5	3.431	87.15	.344	8.74	.562	14.27
C	15	M28840/28-C-A-C-A-A-A	1.125-.1P-.2L-D.S.	1.312	33.32	5.682	144.3	3.312	84.12	4.639	117.8	3.556	90.32	.375	9.53	.625	15.88
C	15	M28840/28-C-A-D-A-A-A		1.593	40.46	5.713	145.1	3.343	84.91	4.639	117.8	3.556	90.32	.438	11.13	.750	19.05
C	15	M28840/28-C-A-E-A-A-A		.938	23.83	5.457	138.6	3.087	78.41	4.389	111.5	3.431	87.15	.188	4.78	.312	7.92
D	17	M28840/28-D-A-A-A-A-A	1.125-.1P-.2L-D.S.	1.312	33.32	5.682	144.3	3.312	84.12	4.639	117.8	3.556	90.32	.375	9.53	.625	15.88
D	17	M28840/28-D-A-B-A-A-A		1.593	40.46	5.713	145.1	3.343	84.91	4.639	117.8	3.556	90.32	.438	11.13	.750	19.05
D	17	M28840/28-D-A-C-A-A-A		1.750	44.45	5.807	147.5	3.437	87.30	4.639	117.8	3.556	90.32	.625	15.88	.938	23.83
E	19	M28840/28-E-A-A-A-A-A	1.312-.1P-.2L-D.S.	1.312	33.32	5.682	144.3	3.312	84.12	4.639	117.8	3.556	90.32	.375	9.53	.625	15.88
E	19	M28840/28-E-A-B-A-A-A		1.750	44.45	5.832	148.1	3.462	87.93	4.639	117.8	3.556	90.32	.625	15.88	.938	23.83
F	23	M28840/28-F-A-A-A-A-A		1.593	40.46	5.738	145.8	3.368	85.55	4.639	117.8	3.556	90.32	.438	11.13	.750	19.05
F	23	M28840/28-F-A-B-A-A-A	1.500-.1P-.2L-D.S.	1.750	44.45	5.832	148.1	3.462	87.93	4.889	124.2	3.681	93.50	.625	15.88	.938	23.83
F	23	M28840/28-F-A-C-A-A-A		2.093	53.16	6.019	152.9	3.649	92.68	4.889	124.2	3.681	93.50	.812	20.62	1.188	30.18
G	25	M28840/28-G-A-A-A-A-A		1.750	44.45	5.832	148.1	3.462	87.93	4.889	124.2	3.681	93.50	.625	15.88	.938	23.83
G	25	M28840/28-G-A-B-A-A-A	1.625-.1P-.2L-D.S.	2.093	53.16	6.019	152.9	3.649	92.68	4.889	124.2	3.681	93.50	.812	20.62	1.188	30.18
G	25	M28840/28-G-A-C-A-A-A		2.093	53.16	6.144	156.1	3.774	95.86	4.889	124.2	3.681	93.50	.812	20.62	1.188	30.18
G	25	M28840/28-G-A-D-A-A-A		2.343	59.51	6.176	156.9	3.806	96.67	4.889	124.2	3.681	93.50	.812	20.62	1.188	30.18
H	29	M28840/28-H-A-A-A-A-A	1.812-.1P-.2L-D.S.	2.093	53.16	6.144	156.1	3.774	95.86	5.139	130.5	3.806	96.67	.812	20.62	1.188	30.18
H	29	M28840/28-H-A-B-A-A-A		2.343	59.51	6.176	156.9	3.806	96.67	5.139	130.5	3.806	96.67	.812	20.62	1.188	30.18
H	29	M28840/28-H-A-C-A-A-A		2.343	59.51	6.426	163.2	4.056	103.02	5.139	130.5	3.806	96.67	.812	20.62	1.188	30.18
J	33	M28840/28-J-A-A-A-A-A	2.000-.1P-.2L-D.S.	2.343	59.51	6.426	163.2	4.056	103.02	5.639	143.2	4.056	103.02	1.000	25.40	1.380	35.05
J	33	M28840/28-J-A-B-A-A-A		2.750	69.85	6.701	170.2	4.331	110.01	5.639	143.2	4.056	103.02	1.250	31.75	1.625	41.28

NOTES:

1. Assembly is made up of a M28840/16 connector and a M28840/8 backshell and mates to receptacle connectors specified in MIL-C-28840/7, 10, 11, 12, 14, 20 & 21.
2. Cable entry is defined as the wire bundle accommodation range. It is not meant to define the clamp hardware limits.



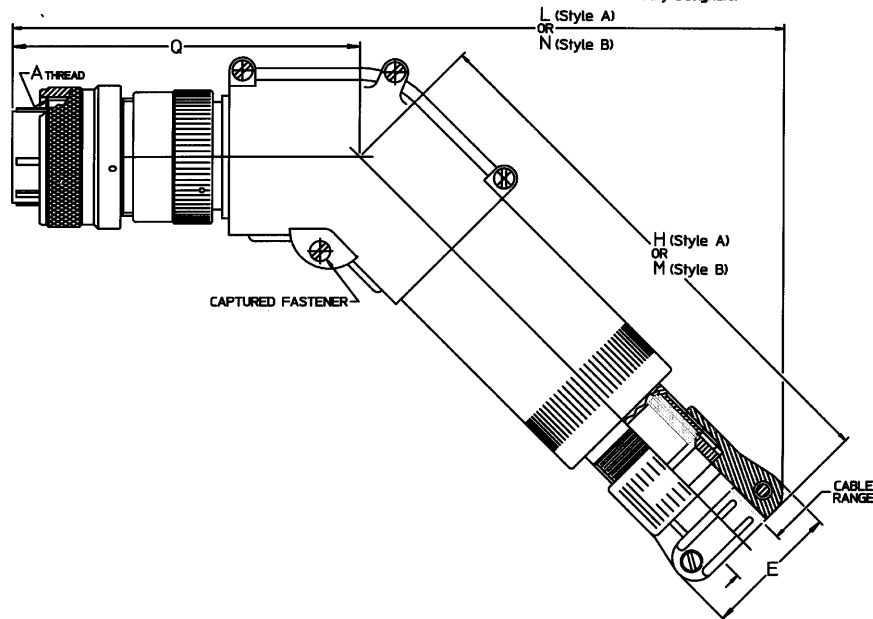
Web link to Sunbank
www.sunbankcorp.com

Connector Plug with 45° Accessory
Cable Sealing & Shield Termination
M28840/29 Military Designator
JSC29 Joslyn Sunbank Designator

Example Part Number

JSC M28840 / 29 C G 1 A A P 1

Key Positions (1 thru 6)
Contact Designator
Backshell Style
Backshell Size Designator
Insert Arrangement
Military Designator (Shell Size)
Class Code
Specification Sheet Number
Military Designator



MILITARY DESIGNATOR	SHELL SIZE	ASSEMBLY NUMBER	A THREAD CLASS - 2B	E (REF) DIA	H MAX STYLE A DIM	M MAX STYLE B DIM	L MAX STYLE A DIM	N MAX STYLE B DIM	Q MAX DIA	CABLE ENTRY							
										MIN	MAX						
A	11	M28840/29AaAaaa	.750-.1P-.2L-D.S.	.938	23.83	5.432	138.0	3.062	77.77	7.404	188.1	5.728	145.5	.188	4.78	.312	7.92
A	11	M28840/29AaBaaa		1.125	28.58	5.432	138.0	3.062	77.77	7.457	189.4	5.781	146.8	.281	7.14	.438	11.13
A	11	M28840/29AaCaAaaa		1.312	33.32	5.557	141.2	3.187	80.95	7.727	196.3	6.051	153.7	.343	8.74	.562	14.27
B	13	M28840/29BaAaaa	.875-.1P-.2L-D.S.	.938	23.83	5.432	138.0	3.062	77.77	7.404	188.1	5.728	145.5	.188	4.78	.312	7.92
B	13	M28840/29BaBaaa		1.125	28.58	5.432	138.0	3.062	77.77	7.457	189.4	5.781	146.8	.281	7.14	.438	11.13
B	13	M28840/29BaCaAaaa		1.312	33.32	5.557	141.2	3.187	80.95	7.727	196.3	6.051	153.7	.343	8.74	.562	14.27
B	13	M28840/29BaDaAaaa	1.062-.1P-.2L-D.S.	1.312	33.32	5.682	144.3	3.312	84.12	7.938	201.6	6.262	159.1	.356	9.53	.625	15.88
C	15	M28840/29CaAaaa		1.125	28.58	5.557	141.2	3.187	80.95	7.671	194.8	5.995	152.3	.281	7.14	.438	11.13
C	15	M28840/29CaBaaa		1.312	33.32	5.557	141.2	3.187	80.95	7.727	196.3	6.051	153.7	.344	8.74	.562	14.27
C	15	M28840/29CaCaAaaa	1.062-.1P-.2L-D.S.	1.312	33.32	5.682	144.3	3.312	84.12	7.938	201.6	6.262	159.1	.356	9.53	.625	15.88
C	15	M28840/29CaDaAaaa		1.593	40.46	5.713	145.1	3.343	84.91	8.058	204.7	6.382	162.1	.438	11.13	.750	19.05
C	15	M28840/29CaEaaa		.938	23.83	5.557	141.2	3.187	80.95	7.671	194.8	5.941	150.9	.343	8.74	.562	14.27
D	17	M28840/29DaAaaa	1.125-.1P-.2L-D.S.	1.312	33.32	5.682	144.3	3.312	84.12	7.938	201.6	6.262	159.1	.375	9.53	.625	15.88
D	17	M28840/29DaBaaa		1.593	40.46	5.713	145.1	3.343	84.91	8.058	204.7	6.382	162.1	.438	11.13	.750	19.05
D	17	M28840/29DaCaAaaa		1.750	44.45	5.807	147.5	3.437	87.30	8.161	207.3	6.485	164.7	.625	15.88	.938	23.83
E	19	M28840/29EaAaaa	1.312-.1P-.2L-D.S.	1.312	33.32	5.682	144.3	3.312	84.12	7.938	201.6	6.262	159.1	.375	9.53	.625	15.88
E	19	M28840/29EaBaaa		1.750	44.45	5.932	150.7	3.562	90.47	8.371	212.6	6.695	170.1	.625	15.88	.938	23.83
F	23	M28840/29FaAaaa		1.593	40.46	5.838	148.3	3.468	88.09	8.272	210.1	6.596	167.5	.438	11.13	.750	19.05
F	23	M28840/29FaBaaa	1.500-.1P-.2L-D.S.	1.750	44.45	5.932	150.7	3.562	90.47	8.371	212.6	6.695	170.1	.625	15.88	.938	23.83
F	23	M28840/29FaCaAaaa		2.093	53.16	6.119	155.4	3.749	95.22	8.628	219.2	6.952	176.6	.812	20.62	1.188	30.18
G	25	M28840/29GaAaaa		1.750	44.45	5.932	150.7	3.562	90.47	8.371	212.6	6.695	170.1	.625	15.88	.938	23.83
G	25	M28840/29GaBaaa	1.625-.1P-.2L-D.S.	2.093	53.16	6.119	155.4	3.749	95.22	8.628	219.2	6.952	176.6	.812	20.62	1.188	30.18
G	25	M28840/29GaCaAaaa		2.093	53.16	6.244	158.6	3.874	98.40	8.841	224.6	7.165	182.0	.875	22.23	1.250	31.75
G	25	M28840/29GaDaAaaa		2.343	59.51	6.276	159.4	3.906	99.21	8.950	227.3	7.274	184.8	1.000	25.40	1.380	35.05
H	29	M28840/29HaAaaa	1.812-.1P-.2L-D.S.	2.093	53.16	6.244	158.6	3.874	98.40	8.841	224.6	7.165	182.0	.812	20.62	1.188	30.18
H	29	M28840/29HaBaaa		2.343	59.51	6.276	159.4	3.906	99.21	8.950	227.3	7.274	184.8	1.000	25.40	1.380	35.05
J	33	M28840/29JaAaaa		2.343	59.51	6.526	165.8	4.156	105.6	9.377	238.2	7.701	195.6	1.000	25.40	1.380	35.05
J	33	M28840/29JaBaaa	2.000-.1P-.2L-D.S.	2.750	69.85	6.801	172.8	4.431	112.6	9.659	245.3	7.983	202.8	1.250	31.75	1.625	41.28

NOTES:

1. Assembly is made up of a M28840/16 connector and a M28840/9 backshell and mates to receptacle connectors specified in MIL-C-28840/7, 10, 11, 12, 14, 20 & 21.
2. Cable entry is defined as the wire bundle accommodation range. It is not meant to define the clamp hardware limits.

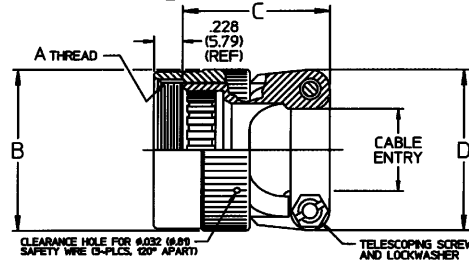
MIL-C-28840 Connectors and Accessories

90 Deg. Open Framed Clamp
45 Deg. Open Framed Clamp



Web link to Sunbank
www.sunbankcorp.com

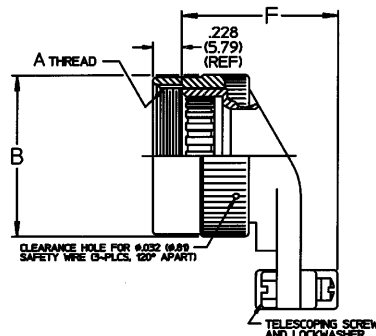
Connector Accessory, Straight
Open Framed Strain Relief Clamp
M28840/1 Military Designator
S1941 Joslyn Sunbank Designator



Example Part Number

M28840 / 1 J W
Material & Finish
Military Designator (Shell Size)
Specification Sheet Number
Military Designator

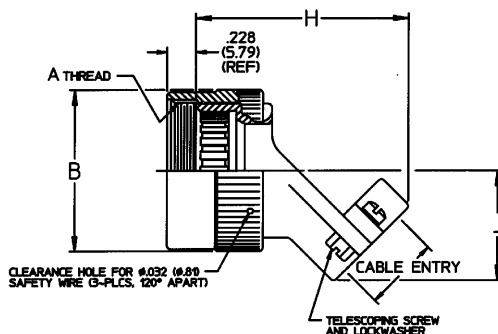
Connector Accessory, 90°
Open Framed Strain Relief Clamp
M28840/2 Military Designator
S1942 Joslyn Sunbank Designator



Example Part Number

M28840 / 2 J W
Material & Finish
Military Designator (Shell Size)
Specification Sheet Number
Military Designator

Connector Accessory, 45°
Open Framed Strain Relief Clamp
M28840/3 Military Designator
S1939 Joslyn Sunbank Designator



Example Part Number

M28840 / 3 J W
Material & Finish
Military Designator (Shell Size)
Specification Sheet Number
Military Designator

MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2B	B MAX DIA	C MAX DIM		D MAX DIM		E MAX DIM		F MAX DIM (CLOSED)		G MAX DIM		H MAX DIM (CLOSED)		J MAX DIM		CABLE ENTRY*				
																		MIN		MAX		
A	11	.750-20 UNEF	1.028	26.11	1.091	27.71	.903	22.94	.903	22.94	1.071	27.20	.929	23.60	1.650	23.60	.929	23.60	.177	4.50	.286	7.26
B	13	.875-20 UNEF	1.141	28.98	1.091	27.71	.977	24.82	.977	24.82	1.071	27.20	.929	23.60	1.650	23.60	.929	23.60	.177	4.50	.286	7.26
C	15	1.000-20 UNEF	1.263	32.08	1.091	27.71	1.151	29.24	1.151	29.24	1.280	32.51	1.056	26.82	1.765	44.60	1.056	26.82	.250	6.35	.416	10.57
D	17	1.125-18 UNEF	1.387	35.23	1.206	30.63	1.281	32.54	1.281	32.54	1.392	35.36	1.233	31.32	1.874	47.60	1.233	31.32	.291	7.39	.476	12.09
E	19	1.250-18 UNEF	1.513	38.43	1.320	33.53	1.406	35.71	1.406	35.71	1.517	38.53	1.296	32.92	1.918	48.72	1.296	32.92	.348	8.84	.626	15.90
F	23	1.438-18 UNEF	1.703	43.26	1.445	36.70	1.576	40.03	1.576	40.03	1.642	41.71	1.358	34.49	1.962	49.83	1.358	34.49	.429	10.90	.831	21.11
G	25	1.562-18 UNEF	1.825	46.36	1.570	39.88	1.666	42.32	1.666	42.32	1.767	44.88	1.420	36.07	2.006	50.95	1.420	36.07	.523	13.28	.956	24.28
H	29	1.875-16 UN	2.143	54.43	1.721	43.71	2.046	51.97	2.046	51.97	1.905	48.39	1.634	41.50	2.301	58.45	1.634	41.50	.643	16.33	1.081	27.46
J	33	2.062-16 UNS	2.329	59.16	1.908	48.46	2.209	56.11	2.209	56.11	1.968	49.99	1.859	47.22	2.389	60.68	1.859	47.22	.704	17.88	1.187	30.15

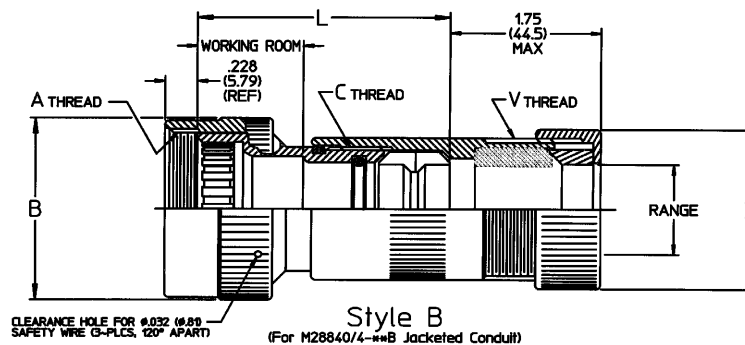
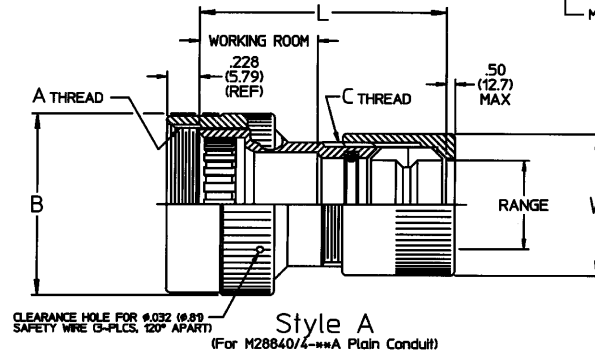
*Cable entry is defined as the wire bundle accommodation range. It is not meant to define the clamp hardware limits.



Web link to Sunbank
www.sunbankcorp.com

Connector Accessory, Straight
Cable Sealing & Shield Termination
Accommodates M28840/22 Bushing
M28840/5 Military Designator
S1863 Joslyn Sunbank Designator

Example Part Number
M28840 / 5 16 W A
Military Designator
Style Designator
Material & Finish
Military Designator (Shell Size)
Specification Sheet Number



MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2B	B MAX DIA	C THREAD CLASS - 2*	L (REF) DIM	WORKING ROOM (REF)	V THREAD CLASS - 2*	W MAX DIA	X MAX DIA	SEALING RANGE**							
										MIN	MAX						
01	11(A)	.750-20 UNEF	1.028	26.11	.875-20 UNEF	1.75	1000-20 UNEF	1.12	28.5	1.19	30.2	.50	12.7	.63	16.0		
02	13(B)	.875-20 UNEF	1.141	28.98	.875-20 UNEF		1000-20 UNEF	1.12	28.5	1.19	30.2	.50	12.7	.63	16.0		
03					1.000-20 UNEF		1188-18 UNEF	1.25	31.8	1.38	35.1	.63	16.0	.75	19.1		
04					.875-20 UNEF		1000-20 UNEF	1.12	28.5	1.19	30.2	.50	12.7	.63	16.0		
05	15(C)	1.000-20 UNEF	1.263	32.08	1.000-20 UNEF	1.00	1188-18 UNEF	1.25	31.8	1.38	35.1	.63	16.0	.75	19.1		
06					1.125-18 UNEF		1438-18 UNEF	1.43	36.3	1.63	41.4	.75	19.1	.88	22.4		
07					1.250-18 UNEF		1750-18 UNS	1.62	41.2	1.94	49.3	.88	22.4	1.00	25.4		
08					1.125-18 UNEF		1438-18 UNEF	1.43	36.3	1.63	41.4	.75	19.1	.88	22.4		
09	17(D)	1.125-18 UNEF	1.387	35.23	1.250-18 UNEF	1.50	1750-18 UNS	1.62	41.2	1.94	49.3	.88	22.4	1.00	25.4		
10					1.625-18 UNEF		2.00	50.8	2000-18 UNS	1.81	46.0	2.19	55.6	1.19	30.2	1.38	35.1
11					1.125-18 UNEF				1438-18 UNEF	1.43	36.3	1.63	41.4	.75	19.1	.88	22.4
12	19(E)	1.250-18 UNEF	1.513	38.43	1.250-18 UNEF	1.50	1750-18 UNS	1.62	41.2	1.94	49.3	.88	22.4	1.00	25.4		
13					1.625-18 UNEF		2000-18 UNS	1.81	46.0	2.19	55.6	1.19	30.2	1.38	35.1		
14					1.250-18 UNEF		1750-18 UNS	1.62	41.2	1.94	49.3	.88	22.4	1.00	25.4		
15	23(F)	1.438-18 UNEF	1.703	43.26	1.625-18 UNEF	2.00	2000-18 UNS	1.81	46.0	2.19	55.6	1.19	30.2	1.38	35.1		
16					1.875-18 UNS		2250-16 UN	2.18	55.4	2.44	62.0	1.44	36.6	1.63	41.4		
17					1.250-18 UNEF		1750-18 UNS	1.62	41.2	1.94	49.3	.88	22.4	1.00	25.4		
18					1.625-18 UNEF		2000-18 UNS	1.81	46.0	2.19	55.6	1.19	30.2	1.38	35.1		
19	25(G)	1.562-18 UNEF	1.825	46.36	1.875-18 UNS	2.75	2250-16 UN	2.18	55.4	2.44	62.0	1.44	36.6	1.63	41.4		
20					2.125-16 UN		2.56	65.0	2.69	68.3	1.63	41.4	1.88	47.8			
21					1.875-18 UNS		3.25	82.6	2250-16 UN	2.18	55.4	2.44	62.0	1.44	36.6	1.63	41.4
22	2.125-16 UN	2500-16 UN	2.56	65.0	2.69	68.3			1.63	41.4	1.88	47.8					
23	2.125-16 UN	2500-16 UN	2.56	65.0	2.69	68.3			1.63	41.4	1.88	47.8					
24	2.750-16 UN	3000-16 UN	3.06	77.7	3.19	81.0			2.19	54.1	2.38	60.5					
25	11(A)	.750-20 UNEF	1.028	26.11	.875-20 UNEF	1.75	1188-18 UNEF	1.25	31.8	1.38	35.1	.63	16.0	.75	19.1		

*Sealing range is defined as the conduit accommodation range. It is not meant to define the clamping hardware limits.

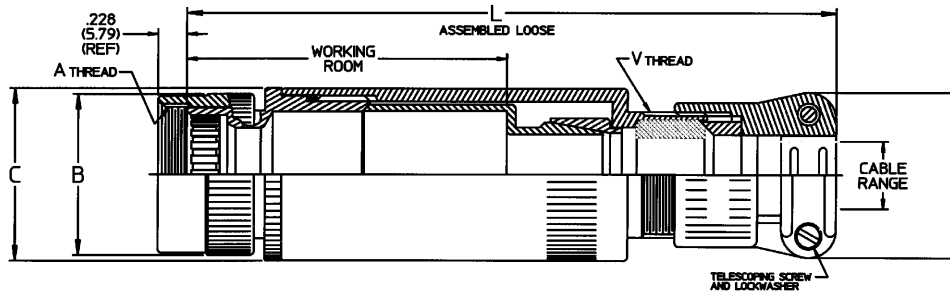
Connector Accessory, Straight
Cable Sealing & Shield Termination
M28840/6 Military Designator
S1946 Joslyn Sunbank Designator

Example Part Number

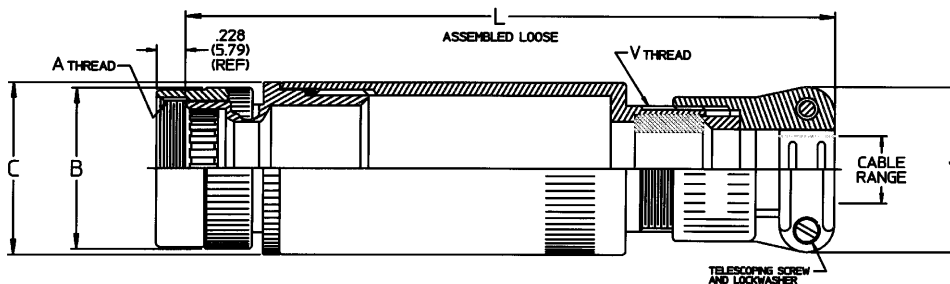
M28840 / 6 16 W A

Style Designator: A = EM/Environmental
B = Environmental
Material & Finish
Military Designator (Shell Size)
Specification Sheet Number
Military Designator

Style A



Style B



MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2B	B MAX DIA	C MAX DIA	L (REF) DIA	WORKING ROOM (REF)	V THREAD CLASS - 2*	Y (REF) DIA	CABLE ENTRY*						
									MIN		MAX				
01	11(A)	.750-20 UNEF	1.028	26.11	1.156	29.36	.625-24 UNEF	.938	23.82	.188	4.77	.312	7.92		
02	13(B)	.875-20 UNEF	1.141	28.98			.625-24 UNEF	.938	23.82	.188	4.77	.312	7.92		
03							.655	118.2	.750-20 UNEF	1.125	28.57	.281	7.14	.438	11.12
04					.653	118.2	.625-24 UNEF	.938	23.82	.188	4.77	.312	7.92		
05	15(C)	1.000-20 UNEF	1.263	32.08	1.281	32.54	.750-20 UNEF	1.125	28.57	.281	7.14	.438	11.12		
06							.650	118.1	.875-20 UNEF	1.312	33.32	.344	8.74	.562	14.27
07							5.166	131.2	1.188-18 UNEF	1.593	40.62	.438	11.12	.750	19.05
08					1.406	35.71	5.150	130.8	1.000-20 UNEF	1.312	33.32	.375	9.52	.625	15.87
09	17(D)	1.125-18 UNEF	1.387	35.23			5.166	131.2	1.188-18 UNEF	1.593	40.62	.438	11.12	.750	19.05
10							5.260	133.6	1.438-18 UNEF	1.750	44.45	.625	15.87	.938	23.82
11	19(E)	1.250-18 UNEF	1.513	38.43	1.531	38.89	5.150	130.8	1.000-20 UNEF	1.312	33.32	.375	9.52	.625	15.87
12							5.260	133.6	1.438-18 UNEF	1.750	44.45	.625	15.87	.938	23.82
13							5.666	143.9	1.188-18 UNEF	1.593	40.62	.438	11.12	.750	19.05
14	23(F)	1.438-18 UNEF	1.703	43.51	1.656	42.06	5.760	146.3	1.438-18 UNEF	1.750	44.45	.625	15.87	.938	23.82
15							5.993	152.2	1.750-18 UNS	2.093	53.16	.812	20.62	1.188	30.17
16							5.760	146.3	1.438-18 UNEF	1.750	44.45	.625	15.87	.938	23.82
17	25(G)	1.562-18 UNEF	1.825	46.36	1.781	45.24	6.493	164.9	1.750-18 UNS	2.093	53.16	.812	20.62	1.188	30.17
18							6.493	164.9	1.750-18 UNS	2.093	53.16	.875	22.23	1.250	31.75
19							6.511	165.4	2.000-18 UNS	2.343	59.51	1.000	25.40	1.380	35.05
20	29(H)	1.875-16 UN	2.143	54.43	2.156	54.76	6.493	164.9	1.750-18 UNS	2.093	53.16	.812	20.62	1.188	30.17
21							6.511	165.4	2.000-18 UNS	2.343	59.51	1.000	25.40	1.380	35.05
22							6.511	165.4	2.000-18 UNS	2.343	59.51	1.000	25.40	1.380	35.05
23	33(J)	2.062-16 UNS	2.329	59.16	2.281	57.94	6.792	172.5	2.250-16 UN	2.750	69.85	1.250	31.75	1.625	41.28
24															
25	11(A)	.750-20 UNEF	1.028	26.11	1.156	29.36	4.655	118.2	.750-20 UNEF	1.125	28.57	.281	7.14	.438	11.12
26									4.650	118.1	.875-20 UNEF			.344	8.74
27	13(B)	.875-20 UNEF	1.141	28.98	1.281	32.54	4.650	118.1	.875-20 UNEF			.344	8.74	.562	14.27
28									5.150	130.8	1.000-20 UNEF			.375	9.52
29	15(C)	1.000-20 UNEF	1.263	32.08	1.406	35.71	5.150	130.8	1.000-20 UNEF			.375	9.52	.625	15.87
30															

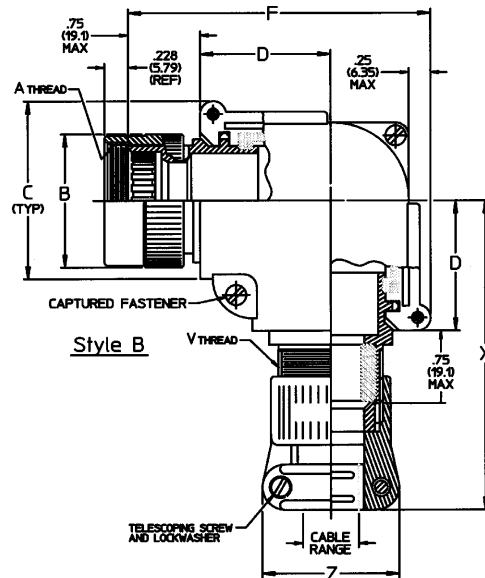
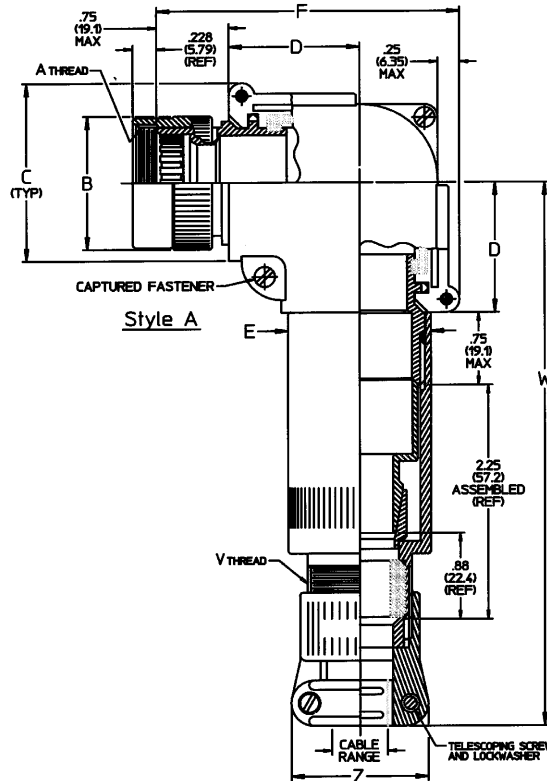
*Cable entry is defined as the wire bundle accommodation range. It is not meant to define the clamp hardware limits.

Web link to Sunbank
www.sunbankcorp.com

Connector Accessory, 90°
Cable Sealing & Shield Termination
M28840/8 Military Designator
S1944 Joslyn Sunbank Designator

Example Part Number

M28840 / 8 16 W A
 Military Designator: A = EM/Environmental
 Material & Finish: B = Environmental
 Military Designator (Shell Size)
 Specification Sheet Number
 Military Designator



MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2B	B MAX DIA	C MAX DIA	D MAX DIM	E MAX DIA	F MAX DIM	V THREAD CLASS - 2*	W MAX STYLE A	X MAX STYLE B	Z (REF) DIA	CABLE ENTRY* MIN	CABLE ENTRY* MAX
01	11(A)	.750-20 UNEF	1.028 26.11	1.281 32.54	1.031 26.19	1.156 29.36	2.614 66.40	.625-24 UNEF	5.332 134.43	2.962 75.23	.938 23.82	.188 4.77	.312 7.92
02	13(B)	.875-20 UNEF	1.141 28.98	1.281 32.54	1.031 26.19	1.156 29.36	2.614 66.40	.625-24 UNEF	5.332 134.43	2.962 75.23	.938 23.82	.188 4.77	.312 7.92
03	15(C)	1.000-20 UNEF	1.263 32.08	1.531 38.89	1.156 29.36	1.281 32.54	2.864 72.75	.750-20 UNEF	5.457 138.61	3.087 78.41	1.125 28.57	.281 7.14	.438 11.12
04	17(D)	1.125-18 UNEF	1.387 35.23	1.781 45.24	1.281 32.54	1.406 35.71	3.114 79.10	.625-24 UNEF	5.457 138.61	3.087 78.41	.938 23.82	.188 4.77	.312 7.92
05	19(E)	1.250-18 UNEF	1.513 38.43	2.031 51.59	1.406 35.71	1.531 38.89	3.364 85.45	.750-20 UNEF	5.457 138.61	3.087 78.41	1.125 28.57	.281 7.14	.438 11.12
06	23(F)	1.438-18 UNEF	1.703 43.51	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	.875-20 UNEF	5.682 144.32	3.312 84.12	1.312 33.32	.344 8.74	.562 14.27
07	25(G)	1.562-18 UNEF	1.825 46.36	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.000-20 UNEF	5.682 144.32	3.312 84.12	1.312 33.32	.375 9.52	.625 15.87
08	29(H)	1.875-16 UN	2.143 54.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.188-18 UNEF	5.682 144.32	3.312 84.12	1.312 33.32	.375 9.52	.625 15.87
09	33(J)	2.062-16 UN	2.329 59.16	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.398-18 UNEF	5.682 144.32	3.312 84.12	1.312 33.32	.375 9.52	.625 15.87
10	11(A)	.750-20 UNEF	1.028 26.11	1.281 32.54	1.031 26.19	1.156 29.36	2.614 66.40	1.438-18 UNEF	5.807 147.50	3.437 87.30	1.750 44.45	.625 15.87	.938 23.82
11	13(B)	.875-20 UNEF	1.141 28.98	1.531 38.89	1.156 29.36	1.281 32.54	2.864 72.75	1.000-20 UNEF	5.682 144.32	3.312 84.12	1.312 33.32	.375 9.52	.625 15.87
12	15(C)	1.000-20 UNEF	1.263 32.08	1.781 45.24	1.281 32.54	1.406 35.71	3.114 79.10	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
13	17(D)	1.125-18 UNEF	1.387 35.23	2.031 51.59	1.406 35.71	1.531 38.89	3.364 85.45	1.188-18 UNEF	5.738 145.75	3.368 85.55	1.593 40.62	.438 11.12	.750 19.05
14	19(E)	1.250-18 UNEF	1.513 38.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
15	23(F)	1.438-18 UNEF	1.703 43.51	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.188-18 UNEF	5.738 145.75	3.368 85.55	1.593 40.62	.438 11.12	.750 19.05
16	25(G)	1.562-18 UNEF	1.825 46.36	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
17	29(H)	1.875-16 UN	2.143 54.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.188-18 UNEF	5.738 145.75	3.368 85.55	1.593 40.62	.438 11.12	.750 19.05
18	33(J)	2.062-16 UN	2.329 59.16	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
19	11(A)	.750-20 UNEF	1.028 26.11	1.281 32.54	1.031 26.19	1.156 29.36	2.614 66.40	1.750-18 UNS	6.019 152.88	3.649 92.68	2.093 53.16	.812 20.62	1.188 30.17
20	13(B)	.875-20 UNEF	1.141 28.98	1.531 38.89	1.156 29.36	1.281 32.54	2.864 72.75	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
21	15(C)	1.000-20 UNEF	1.263 32.08	1.781 45.24	1.281 32.54	1.406 35.71	3.114 79.10	1.750-18 UNS	6.019 152.88	3.649 92.68	2.093 53.16	.812 20.62	1.188 30.17
22	17(D)	1.125-18 UNEF	1.387 35.23	2.031 51.59	1.406 35.71	1.531 38.89	3.364 85.45	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
23	19(E)	1.250-18 UNEF	1.513 38.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.188-18 UNEF	5.738 145.75	3.368 85.55	1.593 40.62	.438 11.12	.750 19.05
24	23(F)	1.438-18 UNEF	1.703 43.51	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
25	25(G)	1.562-18 UNEF	1.825 46.36	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.188-18 UNEF	5.738 145.75	3.368 85.55	1.593 40.62	.438 11.12	.750 19.05
26	29(H)	1.875-16 UN	2.143 54.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
27	33(J)	2.062-16 UN	2.329 59.16	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.750-18 UNS	6.019 152.88	3.649 92.68	2.093 53.16	.812 20.62	1.188 30.17
28	11(A)	.750-20 UNEF	1.028 26.11	1.281 32.54	1.031 26.19	1.156 29.36	2.614 66.40	1.750-18 UNS	6.019 152.88	3.649 92.68	2.093 53.16	.812 20.62	1.188 30.17
29	13(B)	.875-20 UNEF	1.141 28.98	1.531 38.89	1.156 29.36	1.281 32.54	2.864 72.75	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
30	15(C)	1.000-20 UNEF	1.263 32.08	1.781 45.24	1.281 32.54	1.406 35.71	3.114 79.10	1.750-18 UNS	6.019 152.88	3.649 92.68	2.093 53.16	.812 20.62	1.188 30.17
31	17(D)	1.125-18 UNEF	1.387 35.23	2.031 51.59	1.406 35.71	1.531 38.89	3.364 85.45	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
32	19(E)	1.250-18 UNEF	1.513 38.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.188-18 UNEF	5.738 145.75	3.368 85.55	1.593 40.62	.438 11.12	.750 19.05
33	23(F)	1.438-18 UNEF	1.703 43.51	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
34	25(G)	1.562-18 UNEF	1.825 46.36	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.188-18 UNEF	5.738 145.75	3.368 85.55	1.593 40.62	.438 11.12	.750 19.05
35	29(H)	1.875-16 UN	2.143 54.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82
36	33(J)	2.062-16 UN	2.329 59.16	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.750-18 UNS	6.019 152.88	3.649 92.68	2.093 53.16	.812 20.62	1.188 30.17
37	11(A)	.750-20 UNEF	1.028 26.11	1.281 32.54	1.031 26.19	1.156 29.36	2.614 66.40	2.000-18 UNS	6.176 156.87	3.806 96.62	2.343 59.51	1.000 25.40	1.380 35.05
38	13(B)	.875-20 UNEF	1.141 28.98	1.531 38.89	1.156 29.36	1.281 32.54	2.864 72.75	1.750-18 UNS	6.144 156.06	3.774 95.86	2.093 53.16	.875 22.23	1.250 31.75
39	15(C)	1.000-20 UNEF	1.263 32.08	1.781 45.24	1.281 32.54	1.406 35.71	3.114 79.10	2.000-18 UNS	6.176 156.87	3.806 96.62	2.343 59.51	1.000 25.40	1.380 35.05
40	17(D)	1.125-18 UNEF	1.387 35.23	2.031 51.59	1.406 35.71	1.531 38.89	3.364 85.45	1.750-18 UNS	6.144 156.06	3.774 95.86	2.093 53.16	.875 22.23	1.250 31.75
41	19(E)	1.250-18 UNEF	1.513 38.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	2.000-18 UNS	6.176 156.87	3.806 96.62	2.343 59.51	1.000 25.40	1.380 35.05
42	23(F)	1.438-18 UNEF	1.703 43.51	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.750-18 UNS	6.144 156.06	3.774 95.86	2.093 53.16	.875 22.23	1.250 31.75
43	25(G)	1.562-18 UNEF	1.825 46.36	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	2.000-18 UNS	6.176 156.87	3.806 96.62	2.343 59.51	1.000 25.40	1.380 35.05
44	29(H)	1.875-16 UN	2.143 54.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.750-18 UNS	6.144 156.06	3.774 95.86	2.093 53.16	.875 22.23	1.250 31.75
45	33(J)	2.062-16 UN	2.329 59.16	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	2.000-18 UNS	6.176 156.87	3.806 96.62	2.343 59.51	1.000 25.40	1.380 35.05
46	11(A)	.750-20 UNEF	1.028 26.11	1.281 32.54	1.031 26.19	1.156 29.36	2.614 66.40	2.250-16 UN	6.701 170.21	4.391 110.01	2.750 69.85	1.250 31.75	1.625 41.28
47	13(B)	.875-20 UNEF	1.141 28.98	1.531 38.89	1.156 29.36	1.281 32.54	2.864 72.75	.750-20 UNEF	5.332 134.43	2.962 75.23	1.125 28.57	.281 7.14	.438 11.12
48	15(C)	1.000-20 UNEF	1.263 32.08	1.781 45.24	1.281 32.54	1.406 35.71	3.114 79.10	.875-20 UNEF	5.457 138.61	3.087 78.41	1.125 28.57	.281 7.14	.438 11.12
49	17(D)	1.125-18 UNEF	1.387 35.23	2.031 51.59	1.406 35.71	1.531 38.89	3.364 85.45	.750-20 UNEF	5.457 138.61	3.087 78.41	1.125 28.57	.281 7.14	.438 11.12
50	19(E)	1.250-18 UNEF	1.513 38.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	.875-20 UNEF	5.457 138.61	3.087 78.41	1.125 28.57	.281 7.14	.438 11.12
51	23(F)	1.438-18 UNEF	1.703 43.51	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.000-20 UNEF	5.682 144.32	3.312 84.12	1.312 33.32	.375 9.52	.625 15.87
52	25(G)	1.562-18 UNEF	1.825 46.36	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.188-18 UNEF	5.682 144.32	3.312 84.12	1.312 33.32	.375 9.52	.625 15.87
53	29(H)	1.875-16 UN	2.143 54.43	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.398-18 UNEF	5.682 144.32	3.312 84.12	1.312 33.32	.375 9.52	.625 15.87
54	33(J)	2.062-16 UN	2.329 59.16	2.281 57.93	1.531 38.89	1.781 45.24	3.614 91.80	1.438-18 UNEF	5.832 148.13	3.462 87.93	1.750 44.45	.625 15.87	.938 23.82

*Cable entry is defined as the wire bundle accommodation range. It is not meant to define the clamp hardware limits.

MIL-C-28840 Connectors and Accessories

45 Deg, Cable Sealing and Shield Termination

Web link to Sunbank

www.sunbankcorp.com

Connector Accessory, 45°
Cable Sealing & Shield Termination
M28840/9 Military Designator
S1945 Joslyn Sunbank Designator

Example Part Number

M28840 / 9 16 W A

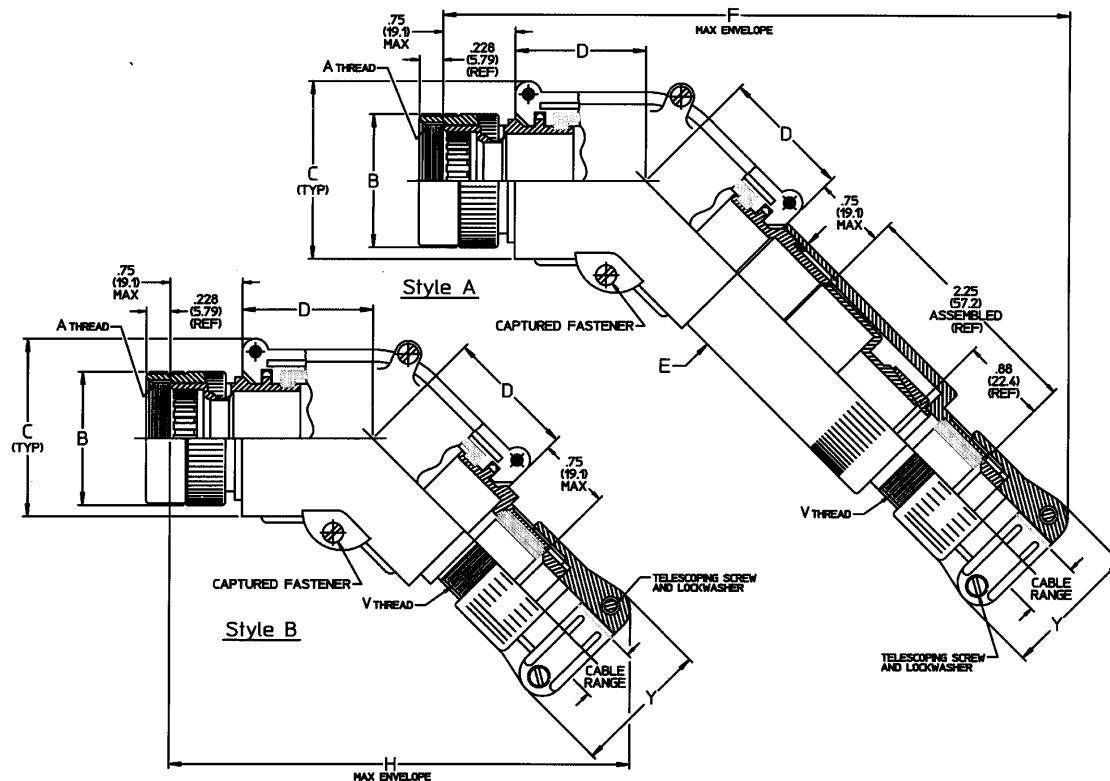
Style Designator: A = EM/Environmental

Material & Finish

Military Designator (Shell Size)

Specification Sheet Number

Military Designator

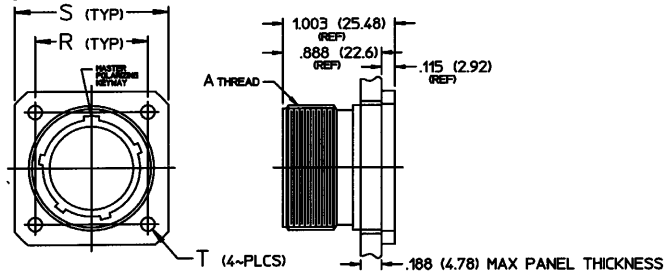


MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 28	B MAX DIA	C MAX DIA	D MAX DIA	E MAX DIA	F MAX DIA	H MAX DIA	V THREAD CLASS - 28	Y (REF) DIA	CABLE ENTRY MIN	CABLE ENTRY MAX
01	11(A)	.750-20 UNEF	1.028 26.11									
02	13(B)	.875-20 UNEF	1.141 28.98	1.281 32.54	1.031 26.19	1.156 29.36	5.879 149.33	4.199 106.65	.625-24 UNEF	.938 23.82	.188 4.77	.312 7.92
03							5.932 150.67	4.252 108.00	.750-20 UNEF	1.125 28.57	.281 7.14	.438 11.12
04							6.092 154.74	4.412 112.06	.625-24 UNEF	.938 23.82	.188 4.77	.312 7.92
05	15(C)	1.000-20 UNEF	1.263 32.08	1.531 38.89	1.156 29.36	1.281 32.54	6.146 156.11	4.466 113.44	.750-20 UNEF	1.125 28.57	.281 7.14	.438 11.12
06							6.202 157.53	4.522 114.86	.875-20 UNEF	1.312 33.32	.344 8.74	.562 14.27
07							6.533 165.94	4.853 123.27	1.188-18 UNEF	1.593 40.62	.438 11.12	.750 19.05
08						1.406 35.71	6.413 162.89	4.733 120.22	1.000-20 UNEF	1.312 33.32	.375 9.52	.625 15.87
09	17(D)	1.125-18 UNEF	1.387 35.23	1.781 45.24	1.281 32.54		6.533 165.94	4.853 123.27	1.188-18 UNEF	1.593 40.62	.438 11.12	.750 19.05
10							1.531 38.89	6.636 168.55	4.956 125.88	1.438-18 UNEF	1.750 44.45	.625 15.87
11	19(E)	1.250-18 UNEF	1.513 38.43				1.406 35.71	6.413 162.89	4.733 120.22	1.000-20 UNEF	1.312 33.32	.375 9.52
12							1.531 38.89	6.846 173.89	5.166 131.22	1.438-18 UNEF	1.750 44.45	.625 15.87
13							1.406 35.71	6.747 171.37	5.067 128.70	1.188-18 UNEF	1.593 40.62	.438 11.12
14	23(F)	1.438-18 UNEF	1.703 43.51				1.531 38.89	6.846 173.89	5.166 131.22	1.438-18 UNEF	1.750 44.45	.625 15.87
15				2.031 51.59	1.406 35.71		1.781 45.24	7.103 180.42	5.423 138.23	1.750-18 UNS	2.093 53.16	.812 20.62
16							1.531 38.89	6.846 173.89	5.156 130.96	1.438-18 UNEF	1.750 44.45	.625 15.87
17							7.103 180.42	5.423 138.23	1.750-18 UNS	2.093 53.16	.812 20.62	.188 30.17
18	25(G)	1.562-18 UNEF	1.825 46.36				2.181 45.24	7.316 185.83	5.636 143.15	1.750-18 UNS	2.093 53.16	.875 22.23
19							2.561 54.76	7.425 188.60	5.745 145.92	2.000-18 UNS	2.343 59.51	1.000 25.40
20							1.781 45.24	7.316 185.83	5.636 143.15	1.750-18 UNS	2.093 53.16	.812 20.62
21	29(H)	1.875-16 UN	2.143 54.43				2.156 54.76	7.425 188.60	5.745 145.92	2.000-18 UNS	2.343 59.51	1.000 25.40
22								7.852 199.44	6.127 156.77	2.000-18 UNS	2.343 59.51	1.000 25.40
23	33(J)	2.062-16 UNS	2.329 59.16	2.781 70.64	1.781 45.24	2.281 57.94	8.134 206.60	6.454 163.93	2.250-16 UN	2.750 69.85	1.250 31.75	1.625 41.28
24	11(A)	.750-20 UNEF	1.028 26.11	1.281 32.54	1.031 26.19	1.156 29.36	5.932 150.67	4.252 108.00	.750-20 UNEF	1.125 28.57	.281 7.14	.438 11.12
25				1.531 38.89	1.156 29.36	1.281 32.54	6.202 157.53	4.522 114.86	.875-20 UNEF		344 8.74	.562 14.27
26	13(B)	.875-20 UNEF	1.141 28.98			1.281 32.54	6.202 157.53	4.522 114.86	.875-20 UNEF		344 8.74	.562 14.27
27							1.281 32.54		1.000-20 UNEF		.375 9.52	.625 15.87
28	15(C)	1.000-20 UNEF	1.263 32.08	1.781 38.89	1.281 32.54	1.406 35.71	6.413 162.89	4.733 120.22	1.000-20 UNEF		.375 9.52	.625 15.87

*Cable entry is defined as the wire bundle accommodation range. It is not meant to define the clamp hardware limits.

Web link to Sunbank
www.sunbankcorp.com

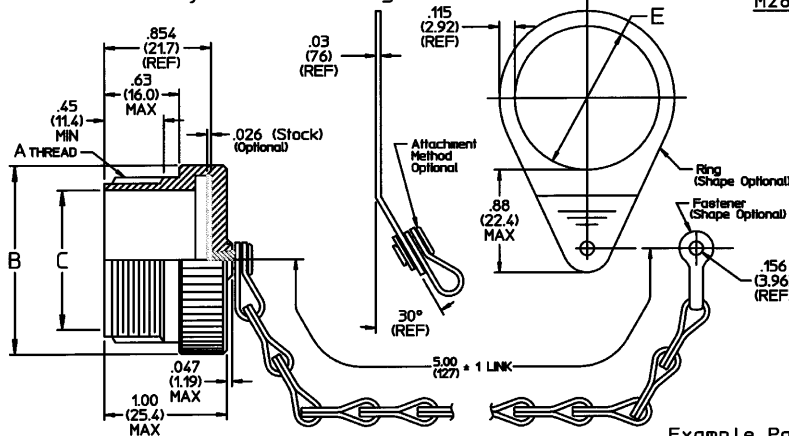
Connector Dummy Receptacle, Wall Mounting
M28840/7 Military Designator
JSC7 Joslyn Sunbank Designator



Example Part Number

JSC M28840 / 7 G 1
Key Positions (1 thru 6)
Military Designator (Shell Size)
Specification Sheet Number
Military Designator

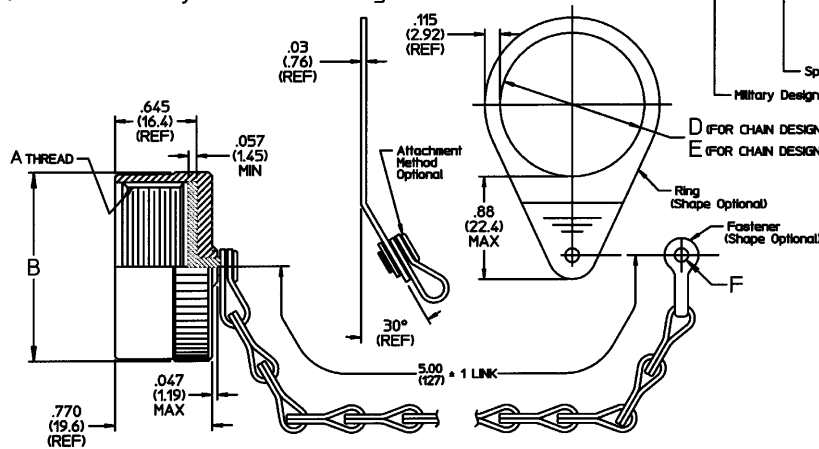
Dust Cover, Plug, Threaded
M28840/15 Military Designator
S1968 Joslyn Sunbank Designator



Example Part Number

M28840 / 15 J A W
Material & Finish
Chain Attachment
A = Link chain with fastener.
B = Link chain with ring.
Military Designator (Shell Size)
Specification Sheet Number
Military Designator

Dust Cover, Receptacle, Threaded
M28840/13 Military Designator
S1967 Joslyn Sunbank Designator



Example Part Number

M28840 / 13 J A W
Material & Finish
Chain Attachment
A = Link chain with fastener.
B = Link chain with ring for low nut mounting receptacle.
C = Link chain with ring for cable-connecting receptacle.
Military Designator (Shell Size)
Specification Sheet Number
Military Designator

MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2A	B MAX DIA	C (REF) DIA	D (REF) DIA	E (REF) DIA	F (REF) DIA	R (REF) E TO E	S (REF) DIM	T (REF) DIA
A	11	.750-.1P-.2L-D.S.	1.028 26.11	.575 14.60	.890 22.61	.765 19.43		.750 19.05	1.023 25.98	.123 3.12
B	13	.875-.1P-.2L-D.S.	1.141 28.98	.699 17.75	1.015 25.78	.890 22.61		.843 21.41	1.138 28.91	.123 3.12
C	15	1.062-.1P-.2L-D.S.	1.263 32.08	.871 22.12	1.203 30.56	1.015 25.78		.968 24.59	1.258 31.95	.123 3.12
D	17	1.125-.1P-.2L-D.S.	1.387 35.23	.941 23.90	1.265 32.13	1.140 28.96		1.015 25.78	1.383 35.13	.123 3.12
E	19	1.312-.1P-.2L-D.S.	1.513 38.43	1.108 28.14	1.453 36.91	1.265 32.13		1.140 28.96	1.508 38.30	.123 3.12
F	23	1.500-.1P-.2L-D.S.	1.703 43.26	1.293 32.84	1.640 41.66	1.453 36.91		1.281 32.54	1.718 43.64	.123 3.12
G	25	1.625-.1P-.2L-D.S.	1.825 46.36	1.454 36.93	1.765 44.83	1.577 40.06		1.392 35.36	1.818 46.18	.150 3.81
H	29	1.812-.1P-.2L-D.S.	2.143 54.43	1.620 41.15	1.953 49.61	1.890 48.01		1.568 39.83	2.138 54.31	.150 3.81
J	33	2.000-.1P-.2L-D.S.	2.329 59.16	1.812 46.02	2.140 54.36	2.077 52.76	.193 4.90	1.734 44.04	2.328 59.13	.176 4.47

MIL-C-28840 Connectors and Accessories

Metal Conduit Bushing
Gland Nut

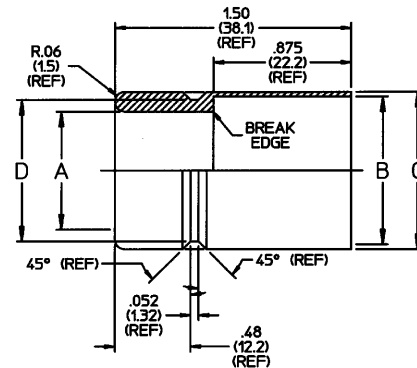
Web link to Sunbank
www.sunbankcorp.com

Metal Conduit Bushing
M28840/22 Military Designator
S2208 Joslyn Sunbank Designator

Example Part Number

M28840 / 22 S 10

Size
Material Designator
S - Material: Stainless Steel Passivated per QQ-P-35.
Specification Sheet Number
Military Designator



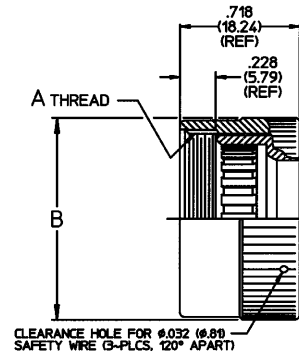
SIZE	M28840/4 SIZE (REF)	A (REF) DIA	B (REF) DIA	C (REF) DIA	D (REF) DIA
03	03	.375 9.53	.540 13.72	.625 15.87	.525 13.34
04	04	.500 12.70	.665 16.89	.750 19.05	.650 16.51
05	05	.625 15.87	.780 19.81	.875 22.23	.775 19.69
06	06	.750 19.05	.940 23.88	1.000 25.40	.900 22.86
08	08	1.000 25.40	1.225 31.12	1.375 34.93	1.275 32.39
10	10	1.250 31.75	1.470 37.34	1.625 41.28	1.525 38.74
12	12	1.500 38.10	1.740 44.20	1.875 47.63	1.775 45.09
16	16	2.000 50.80	2.215 56.26	2.375 60.33	2.275 57.79

Gland Nut
M28840/23 Military Designator
S1940 Joslyn Sunbank Designator

Example Part Number

M28840 / 23 J W

Material & Finish
Military Designator (Shell Size)
Specification Sheet Number
Military Designator



MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 2B	B MAX DIA
A	11	.750-20 UNEF	1.028 26.11
B	13	.875-20 UNEF	1.141 28.98
C	15	1.000-20 UNEF	1.263 32.08
D	17	1.125-18 UNEF	1.387 35.23
E	19	1.250-18 UNEF	1.513 38.43
F	23	1.438-18 UNEF	1.703 43.26
G	25	1.562-18 UNEF	1.825 46.36
H	29	1.875-16 UN	2.143 54.43
J	33	2.062-16 UNS	2.329 59.16

NOTES:

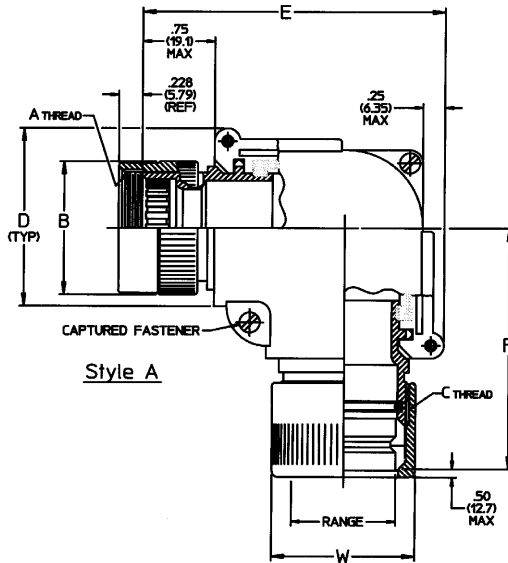
- Bushings are used with MIL-C-28840/5, /25, /27, and /30 backshells.
- Gland nuts are used with MIL-C-28840/10, /11, /14, and /16 connectors.

Web link to Sunbank
www.sunbankcorp.com

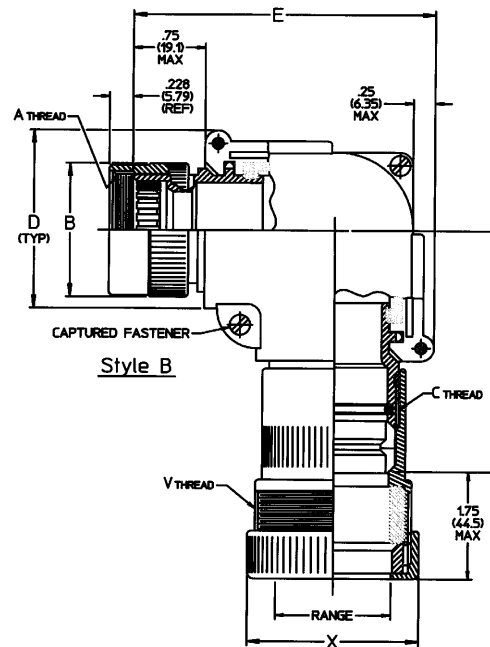
Connector Accessory, 90°
Cable Sealing & Shield Termination
Accommodates M28840/22 Bushing
M28840/25 Military Designator
S1867 Joslyn Sunbank Designator

Example Part Number

M28840 /25 16 W A
 Military Designator
 Specification Sheet Number
 Military Designator (Shell Size)
 Material & Finish
 Style Designator: A = EM/Non-Environmental
 B = EM/Environmental



Style A



Style B

MILITARY DESIGNATOR	SHELL SIZE	CONDUIT SIZE	A THREAD CLASS - 28	B MAX DIA	C THREAD CLASS - 2*	D MAX DIA	E MAX DIA	F MAX DIA	V THREAD CLASS - 2*	W MAX DIA	X MAX DIA	SEALING RANGE*
01	11(A)	03	.750-20 UNEF	1.028	.875-20 UNEF				1000-20 UNEF	1.12	28.5	1.19 30.2 .50 12.7 .63 16.0
02	13(B)	03	.875-20 UNEF	1.141	.875-20 UNEF	1.281	32.54	2.36 59.9	1000-20 UNEF	1.12	28.5	1.19 30.2 .50 12.7 .63 16.0
03		04	.875-20 UNEF		1000-20 UNEF				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
04		03	.875-20 UNEF		.875-20 UNEF	1.531	38.89	2.56 65.0	1000-20 UNEF	1.12	28.5	1.19 30.2 .50 12.7 .63 16.0
05	15(C)	04	1.000-20 UNEF	1.263	1000-20 UNEF				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
06		05	1.000-20 UNEF		1.125-18 UNEF				1000-20 UNEF	1.12	28.5	1.19 30.2 .50 12.7 .63 16.0
07		06	1.000-20 UNEF		1.250-18 UNEF				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
08		05	1.000-20 UNEF		1.125-18 UNEF				1000-20 UNEF	1.12	28.5	1.19 30.2 .50 12.7 .63 16.0
09	17(D)	06	1.125-18 UNEF	1.387	1.250-18 UNEF	1.781	45.24	2.67 67.8	1000-20 UNEF	1.12	28.5	1.19 30.2 .50 12.7 .63 16.0
10		08	1.125-18 UNEF		1.625-18 UNEF				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
11		05	1.125-18 UNEF		1.125-18 UNEF				1000-20 UNEF	1.12	28.5	1.19 30.2 .50 12.7 .63 16.0
12	19(E)	06	1.250-18 UNEF	1.513	1.250-18 UNEF				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
13		08	1.250-18 UNEF		1.625-18 UNEF				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
14		06	1.250-18 UNEF		1.250-18 UNEF				1000-20 UNEF	1.12	28.5	1.19 30.2 .50 12.7 .63 16.0
15	23(F)	08	1.438-18 UNEF	1.703	1.625-18 UNEF	2.031	51.59	3.05 77.5	1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
16		10	1.438-18 UNEF		1.875-18 UNS				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
17		06	1.438-18 UNEF		1.250-18 UNEF				1000-20 UNEF	1.12	28.5	1.19 30.2 .50 12.7 .63 16.0
18		08	1.438-18 UNEF		1.625-18 UNEF				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
19	25(G)	10	1.562-18 UNEF	1.825	1.875-18 UNS				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
20		12	1.562-18 UNEF		2.125-16 UN				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
21		10	1.562-18 UNEF		1.875-18 UNS				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
22	29(H)	12	1.875-16 UN	2.143	2.125-16 UN	2.281	57.93	3.33 84.6	1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
23		12	2.062-16 UN	2.329	2.125-16 UN				1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
24	33(J)	16	2.062-16 UN	2.329	2.750-16 UN	2.781	70.64	3.70 94.0	1000-20 UNEF	1.25	31.8	1.38 35.1 .63 16.0 .75 19.1
25	11(A)	04	.750-20 UNEF	1.028	.875-20 UNEF	1.281	32.54	2.36 59.9	1000-20 UNEF	1.12	28.5	1.19 30.2 .50 12.7 .63 16.0

*Sealing range is defined as the conduit accommodation range. It is not meant to define the clamping hardware limits.

MIL-C-28840 Connectors and Accessories

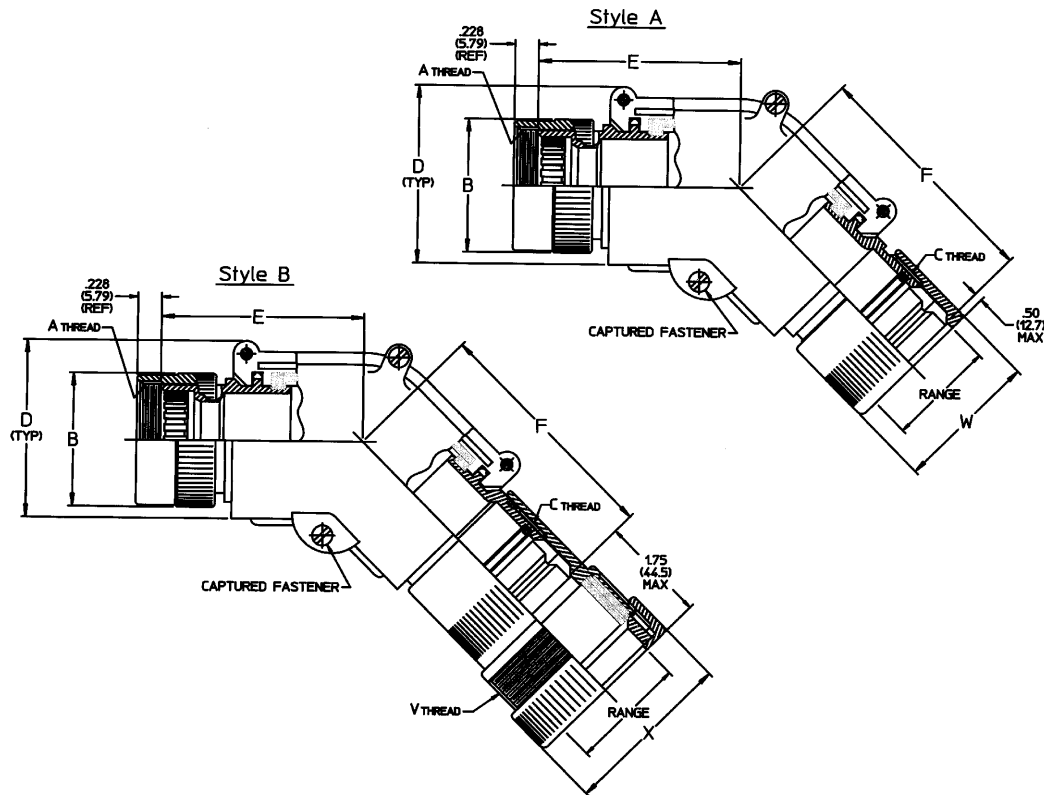
45 Deg., Cable Sealing and Shield Termination w/o Cable Clamp

Web link to Sunbank
www.sunbankcorp.com

Connector Accessory, 45°
Cable Sealing & Shield Termination
Accommodates M28840/22 Bushing
M28840/27 Military Designator
S1868 Joslyn Sunbank Designator

Example Part Number

M28840 /27 16 W A
 Military Designator Specification Sheet Number Military Designator (Shell Size) Material & Finish Style Designator: A - EMI/Environmental, B - Environmental



MILITARY DESIGNATOR	SHELL SIZE	A THREAD CLASS - 28	B MAX DIA	C THREAD CLASS - 24	D MAX DIA	E MAX DIM	F MAX DIM	V THREAD CLASS - 24	W MAX DIA	X MAX DIA	SEALING RANGE ^a									
											MIN	MAX								
01	11(A)	.750-20 UNEF	1.028	26.11	.875-20 UNEF				1.000-20 UNEF	1.12	28.5	1.19	30.2	.50	12.7	.63	16.0			
02	13(B)	.875-20 UNEF	1.141	28.98	.875-20 UNEF	1.281	32.54	2.36	59.9	3.50	92.8	1.000-20 UNEF	1.12	28.5	1.19	30.2	.50	12.7	.63	16.0
03					1.000-20 UNEF				1.188-18 UNEF	1.25	31.8	1.38	35.1	.63	16.0	.75	19.1			
04					.875-20 UNEF				1.000-20 UNEF	1.12	28.5	1.19	30.2	.50	12.7	.63	16.0			
05	15(C)	1.000-20 UNEF	1.263	32.08	1.000-20 UNEF	1.531	38.89	2.56	65.0	3.69	97.9	1.188-18 UNEF	1.25	31.8	1.38	35.1	.63	16.0	.75	19.1
06					1.125-18 UNEF				1.438-16 UNEF	1.43	36.3	1.63	41.4	.75	19.1	.88	22.4	1.00	25.4	
07					1.250-18 UNEF				1.750-16 UNS	1.62	41.2	1.94	49.3	.88	22.4	1.00	25.4			
08					1.125-18 UNEF				1.438-16 UNEF	1.43	36.3	1.63	41.4	.75	19.1	.88	22.4	1.00	25.4	
09	17(D)	1.125-18 UNEF	1.387	35.23	1.250-18 UNEF	1.781	45.24	2.67	67.8	3.81	101.0	1.750-16 UNS	1.62	41.2	1.94	49.3	.88	22.4	1.00	25.4
10					1.625-18 UNEF				2.000-16 UNS	1.81	46.0	2.19	55.6	1.19	30.2	1.38	35.1			
11					1.125-18 UNEF				1.438-16 UNEF	1.43	36.3	1.63	41.4	.75	19.1	.88	22.4	1.00	25.4	
12	19(E)	1.250-18 UNEF	1.513	38.43	1.250-18 UNEF				1.750-16 UNS	1.62	41.2	1.94	49.3	.88	22.4	1.00	25.4			
13					1.625-18 UNEF				2.000-16 UNS	1.81	46.0	2.19	55.6	1.19	30.2	1.38	35.1			
14					1.250-18 UNEF				1.750-16 UNS	1.62	41.2	1.94	49.3	.88	22.4	1.00	25.4			
15	23(F)	1.438-16 UNEF	1.703	43.26	1.625-18 UNEF				2.000-16 UNS	1.81	46.0	2.19	55.6	1.19	30.2	1.38	35.1			
16					1.875-18 UNS	2.031	51.59	3.05	77.5	4.19	111.1	2.250-16 UN	2.18	55.4	2.44	62.0	1.44	36.6	1.63	41.4
17					1.250-18 UNEF				1.750-16 UNS	1.62	41.2	1.94	49.3	.88	22.4	1.00	25.4			
18	25(G)	1.562-16 UNEF	1.825	46.36	1.625-18 UNEF				2.000-16 UNS	1.81	46.0	2.19	55.6	1.19	30.2	1.38	35.1			
19					1.875-18 UNS				2.250-16 UN	2.18	55.4	2.44	62.0	1.44	36.6	1.63	41.4			
20					2.125-16 UN				2.500-16 UN	2.56	65.0	2.69	68.3	1.63	41.4	1.88	47.8			
21	29(H)	1.875-16 UN	2.143	54.43	1.875-16 UN	2.281	57.93	3.33	84.6	4.50	119.4	2.250-16 UN	2.18	55.4	2.44	62.0	1.44	36.6	1.63	41.4
22					2.125-16 UN				2.500-16 UN	2.56	65.0	2.69	68.3	1.63	41.4	1.88	47.8			
23	33(J)	2.062-16 UNS	2.329	59.16	2.125-16 UN	2.781	70.64	3.70	94.0	4.83	128.1	2.500-16 UN	2.56	65.0	2.69	68.3	1.63	41.4	1.88	47.8
24					2.750-16 UN				3.000-16 UN	3.06	77.7	3.19	81.0	2.13	54.1	2.38	60.5			
25	11(A)	.750-20 UNEF	1.028	26.11	.875-20 UNEF	1.281	32.54	2.36	59.9	3.50	92.8	1.188-18 UNEF	1.25	31.8	1.38	35.1	.63	16.0	.75	19.1

*Sealing range is defined as the conduit accommodation range. It is not meant to define the clamping hardware limits.



Web link to Sunbank
www.sunbankcorp.com

Metal Conduit Coupling
Cable Sealing & Shield Termination
Accommodates M28840/22 Bushing
M28840/30 Military Designator
S1966 Joslyn Sunbank Designator

Example Part Number

M28840 / 30 16 W A

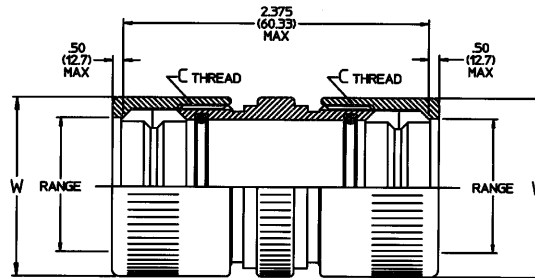
Style Designator: A = EMI/Non-Environmental
B = EMI/Environmental

Material & Finish

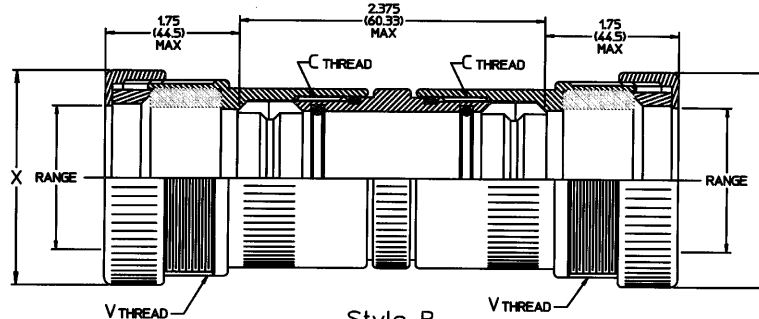
Military Designator (Shell Size)

Specification Sheet Number

Military Designator



Style A



Style B

MILITARY DESIGNATOR	CONDUIT SIZE	SEALING RANGE*				C THREAD CLASS - 2*	V THREAD CLASS - 2*	W MAX DIA		X MAX DIA	
		MIN		MAX							
03	03	.50	12.7	.63	16.0	.875-20 UNEF	1.000-20 UNEF	1.12	28.5	1.19	30.2
04	04	.63	16.0	.75	19.1	1.000-20 UNEF	1.188-18 UNEF	1.25	31.8	1.38	35.1
05	05	.75	19.1	.88	22.4	1.125-18 UNEF	1.438-18 UNEF	1.43	36.3	1.63	41.4
06	06	.88	22.4	1.00	25.4	1.250-18 UNEF	1.750-18 UNS	1.62	41.2	1.94	49.3
08	08	1.19	30.2	1.38	35.1	1.625-18 UNEF	2.000-18 UNS	1.81	46.0	2.19	55.6
10	10	1.44	36.6	1.63	41.4	1.875-18 UNS	2.250-16 UN	2.18	55.4	2.44	62.0
12	12	1.63	41.4	1.88	47.8	2.125-16 UN	2.500-16 UN	2.56	65.0	2.69	68.3
16	16	2.13	54.1	2.38	60.5	2.750-16 UN	3.000-16 UN	3.06	77.8	3.19	81.0

*Sealing range is defined as the conduit accommodation range. It is not meant to define the clamping hardware limits.