



**Allen Electric
Connector Sales, Inc.**



**M83723/82 Receptacle, Threaded, Square Flange,
Socket Contacts, Class A, G, K, N, R, S, W**

SHELL SIZE	A MAX	B ±.005	C ±.002	D ±.005	E MA
8	.928	.554	.568	.120	1.21
10	.954	.719	.585	.120	1.21
12	1.047	.872	.604	.120	1.21
14	1.125	.906	.609	.120	1.21
16	1.234	.968	1.115	.120	1.21
18	1.308	1.092	1.246	.120	1.21
20	1.437	1.150	1.365	.120	1.21
22	1.578	1.259	1.486	.120	1.21
24	1.705	1.375	1.615	.121	1.21



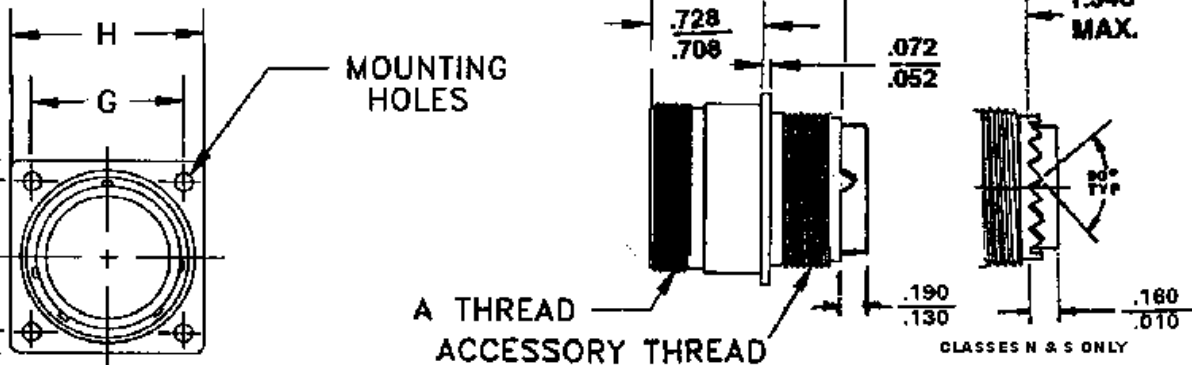
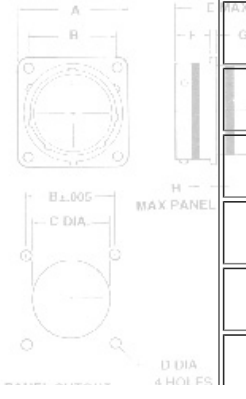
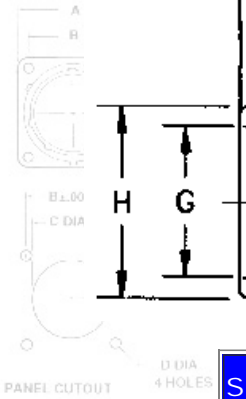
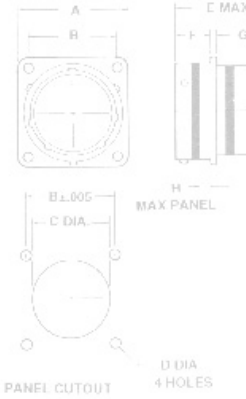
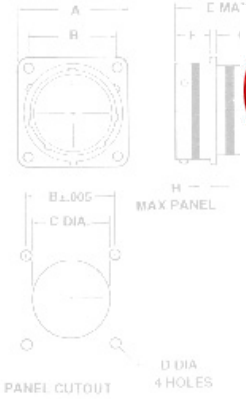
SHELL SIZE	A MAX	B ±.005	C ±.002	D ±.005	E MA
8	.928	.554	.568	.120	1.21
10	.954	.719	.585	.120	1.21
12	1.047	.872	.604	.120	1.21
14	1.125	.906	.609	.120	1.21
16	1.234	.968	1.115	.120	1.21
18	1.308	1.092	1.246	.120	1.21
20	1.437	1.150	1.365	.120	1.21
22	1.578	1.259	1.486	.120	1.21
24	1.705	1.375	1.615	.121	1.21

**M83723/83 Receptacle, Threaded, Square Flange,
Pin Contacts, Class A, G, K, N, R, S, W**

SHELL SIZE	A MAX	B ±.005	C ±.002	D ±.005	E MA
8	.928	.554	.568	.120	1.21
10	.954	.719	.585	.120	1.21
12	1.047	.872	.604	.120	1.21
14	1.125	.906	.609	.120	1.21
16	1.234	.968	1.115	.120	1.21
18	1.308	1.092	1.246	.120	1.21
20	1.437	1.150	1.365	.120	1.21
22	1.578	1.259	1.486	.120	1.21
24	1.705	1.375	1.615	.121	1.21



SHELL SIZE	A MAX	B ±.005	C ±.002	D ±.005	E MA
8	.928	.554	.568	.120	1.21
10	.954	.719	.585	.120	1.21
12	1.047	.872	.604	.120	1.21
14	1.125	.906	.609	.120	1.21
16	1.234	.968	1.115	.120	1.21
18	1.308	1.092	1.246	.120	1.21
20	1.437	1.150	1.365	.120	1.21
22	1.578	1.259	1.486	.120	1.21
24	1.705	1.375	1.615	.121	1.21



SHELL SIZE	H DIM		G DIM		MOUNTING HOLES		A THREAD	ACCESSORY THREAD
	INCH	MM	INCH	MM	INCH	MM		
8	0.812	20.62	0.594	15.09	0.120	3.05	.562-24 UNF-2A	.500-20 UNEF-2A
10	0.937	23.80	0.719	18.26	0.120	3.05	.688-24 UNEF-2A	.625-24 UNEF-2A
12	1.031	26.19	0.812	20.62	0.120	3.05	.875-20 UNEF-2A	.750-20 UNEF-2A
14	1.125	28.58	0.906	23.01	0.120	3.05	.938-20 UNEF-2A	.875-20 UNEF-2A
16	1.250	31.75	0.969	24.61	0.120	3.05	1.062-18 UNEF-2A	1.000-20 UNEF-2A
18	1.343	34.11	1.062	26.97	0.120	3.05	1.188-18 UNEF-2A	1.062-18 UNEF-2A
20	1.437	36.50	1.156	29.36	0.120	3.05	1.312-18 UNEF-2A	1.188-18 UNEF-2A

PANEL CUTOUT 4 HOLES

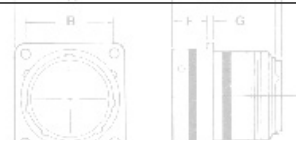
	4	1.121	96	1.20	1.15	44	0.62	75	UNEF-2A	4 HOLES	2A							
22	1.562	39.67	1.250	31.75	0.120	3.05			1.438-18 UNEF-2A	1.312-18	UNEF-2A							
24	1.703	43.26	1.375	34.93	0.149	3.78			1.562-18 UNEF-2A	1.438-18	UNEF-2A							

	4	1.121	96	1.20	1.15	44	0.62	75	UNEF-2A	4 HOLES	2A							
22	1.562	39.67	1.250	31.75	0.120	3.05			1.438-18 UNEF-2A	1.312-18	UNEF-2A							
24	1.703	43.26	1.375	34.93	0.149	3.78			1.562-18 UNEF-2A	1.438-18	UNEF-2A							

[MIL-DTL-83723 Series III Polarizing Locksmith Keyed Positions](#)

[MIL-DTL-83723 Insert Arrangements](#)

[MIL-DTL-83723 Panel Cut-Out Dimensions](#)



MILITARY PART NUMBERING SYSTEM

M83723 / 82

G 20 41 A

Insert Clocking (N for normal, alternate positions 6,7,8,9, and Y (MIL-STD 1554))

Insert Arrangement Per MIL-STD 1554

Shell Size: Even numbers 8 thru 24

Class:

A= Aluminum shell, black anodize finish, fluid resistant insert

R= Aluminum shell, electroless nickel finish, fluid resistant insert

G= Stainless steel shell, passivated, fluid resistant insert

K= Stainless steel shell, passivated, firewall, non-flammable hard dielectric fluid resistant insert

W= Aluminum shell, cadmium, conductive finish, 500 hours salt spray, fluid resistant insert

N= Plugs, electrodeposited nickel finish, hermetic, fluid resistant insert, firewall, RFI grounding, self locking,

Receptacles, electrodeposited nickel finish, hermetic, fluid resistant insert, firewall

S= Stainless steel shell, passivated, fluid resistant insert, firewall (plug & receptacle), RFI grounding, self locking (plug)

Shell and Contact Style:

71= Bayonet Square Flange, Socket Contacts

72= Bayonet Square Flange, Pin Contacts

73= Bayonet Single Hole Mt, Socket Contacts

74= Bayonet Single Hole Mt, Pin Contacts

75= Bayonet Straight Plug, Socket Contacts

76= Bayonet Straight Plug, Pin Contacts

77= Bayonet RFI Plug, Socket Contacts

78= Bayonet RFI Plug, Pin Contacts

82= Threaded Square Flange, Socket Contacts

83= Threaded Square Flange, Pin Contacts

84= Threaded Single Hole Mt, Socket Contacts

85= Threaded Single Hole Mt, Pin Contacts

86= Threaded Straight Plug, Socket Contacts

87= Threaded Straight Plug, Pin Contacts

91= Threaded RFI Plug, Socket Contacts

92= Threaded RFI Plug, Pin Contacts

95= Threaded Self-Locking Plug, Socket Contacts

96= Threaded Self-Locking Plug, Pin Contacts

97= Threaded Self-Locking RFI Plug, Socket Contacts

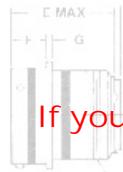
98= Threaded Self-Locking RFI Plug, Pin Contacts

MS Number

18	1.308	1.092	1.236	1.20	1.215	44	0.62	58.7	1.116-18 UNLF
20	1.448	1.190	1.365	1.20	1.275	52.9	0.94	71.2	1.316-18 UNLF
22	1.578	1.270	1.485	1.20	1.325	62.9	0.94	71.2	1.516-18 UNLF

18	1.308	1.092	1.236	1.20	1.215	44	0.62	58.7	1.116-18 UNLF
20	1.448	1.190	1.365	1.20	1.275	52.9	0.94	71.2	1.316-18 UNLF
22	1.578	1.270	1.485	1.20	1.325	62.9	0.94	71.2	1.516-18 UNLF

For pricing and availability, please fill out our RFQ form



If you need any other information, please [E-Mail aecs@aecsinc.com](mailto:aecs@aecsinc.com)



phone (703) 425-3815 fax (703) 425-3814

We look forward to hearing from you!



SHELL SIZE	A	B	C	D	E	F	G	H	J THREAD
MAX	±.005	±.002	±.002	±.002	±.002	±.002	±.002	±.002	±.002
8	.820	.554	.568	.120	1.215	44	0.62	58.7	1.230 UNF
10	.954	.719	.685	.120					
12	1.047	.812	.864	.120					
14	1.121	.906	.969	.120					
16	1.234	.988	1.115	.120					
18	1.308	1.092	1.236	.120					
20	1.448	1.190	1.365	.120	1.275	52.9	0.94	71.2	1.316-18 UNLF
22	1.578	1.270	1.485	.120	1.275	52.9	0.94	71.2	1.516-18 UNLF
24	1.703	1.375	1.615	.120					

A Woman Owned Small Business; CAGE Code 07BG6

SHELL SIZE	A	B	C	D	E	F	G	H	J THREAD
MAX	±.005	±.002	±.002	±.002	±.002	±.002	±.002	±.002	±.002
8	.820	.554	.568	.120	1.215	44	0.62	58.7	1.230 UNF
10	.954	.719	.685	.120					
12	1.047	.812	.864	.120					
14	1.121	.906	.969	.120					
16	1.234	.988	1.115	.120					
18	1.308	1.092	1.236	.120					
20	1.448	1.190	1.365	.120	1.275	52.9	0.94	71.2	1.316-18 UNLF
22	1.578	1.270	1.485	.120	1.275	52.9	0.94	71.2	1.516-18 UNLF
24	1.703	1.375	1.615	.120					