MILITARY SPECIFICATION COMPARISON

MILITARY SPECIFICATION	CLASS	CHARACTERISTICS				SHELL			CONTACTS					REMARKS
		TYPE	FLUID RESISTANCE	SEALING MATERIAL	MAX TEMP	MATERIAL	FINISH	COUPLING	SOLDER	CRIMP FRONT	CRIMP REAR	SIZE	MAX QTY	
MIL-C-5015 Solder	A	Non-Environmental Solid Shell	Limited	–	125°C	Aluminum	96 hr. Cad O.D.	Threaded	•	–	–	16 12 8 4 1/0	85 37 7 5 4	
	B	Non-Environmental Split Shell	Limited	–	125°C	Aluminum	96 hr. Cad O.D.		•	–	–			
	C	Pressurized	Limited	–	125°C	Aluminum	96 hr. Cad O.D.		•	–	–			Superseded by Class R
	E	Environmental Grommet Seal	Limited	Neoprene	125°C	Aluminum	96 hr. Cad O.D.		•	–	–			Superseded by Class R or F
	F	Environmental Grommet Seal with Clamp	Limited	Neoprene	125°C	Aluminum	96 hr. Cad O.D.		•	–	–			
	HS	Hermetic	Complete	Silicone	125°C	Stainless Steel	96 hr. Cad O.D.		•	–	–			
	HT	Hermetic	Complete	Silicone	125°C	Carbon Steel	TInned		•	–	–			
	K	Non-Environmental Firewall	Limited	–	125°C	Carbon Steel	96 hr. Cad O.D.		See Remarks					Non-Removable Crimp Contacts
Section 1B	R	Environmental Grommet Seal with 'O' Ring	Limited	Neoprene	125°C	Aluminum	96 hr. Cad O.D.		•	–	–			
MIL-C 5015 Crimp Front Release Per MIL-STD-242 MIL-STD-1353 MIL-STD-1683	D	Environmental High Shock	Partial	Silicone	175°C	Aluminum	500 hr. Cad O.D.	Threaded	–	•	–	16 12 8 4 1/0	85 37 7 5 4	
	DJ	Environmental High Shock	Partial	Silicone	175°C	Aluminum	500 hr. Cad O.D.		–	•	–			
	DJS	Environmental High Shock	Partial	Silicone	175°C	Stainless Steel	Black Cad		–	•	–			
	DS	Environmental High Shock	Partial	Silicone	175°C	Stainless Steel	Black Cad		–	•	–			
	K	Environmental Firewall	Complete	Silicone	175°C	Carbon Steel	Electroless Nickel		–	•	–			Inactive for New Design. Use Class KS or KT
	KS	Environmental Firewall	Complete	Silicone	175°C	Stainless Steel	Passivated		–	•	–			
	KT	Environmental Firewall	Complete	Silicone	175°C	Carbon Steel	96 hr. Cad O.D.		–	•	–			
	L	Environmental High Temperature	Complete	Silicone	200°C	Aluminum	Electroless Nickel		–	•	–			
	LS	Environmental High Temperature	Completel	Silicone	200°C	Stainless Steel	Passivated		–	•	–			
	U	Environmental High Temperature	Partial	Silicone	200°C	Aluminum	Electroless Nickel		–	•	–			Inactive for New Design. Use Class L
	US	Environmental High Temperature	Partial	Silicone	200°C	Stainless Steel	Passivated		–	•	–			Inactive for New Design. Use Class LS
Section 1C	W	Environmental General Purpose	Partial	Silicone	175°C	Aluminum	96 hr. Cad O.D.		–	•	–			Inactive for New Design. Use Class D
MIL-C-5015 Crimp Rear Release Per MIL-STD-242 MIL-STD-975 MIL-STD-1353 MIL-STD-1547 (8, 4 & 0 Contacts Only)	K	Environmental Firewall	Complete	Silicone	175°C	Carbon Steel	Electroless Nickel	Threaded	–	–	•	16 12 8 4 1/0	85 37 7 5 4	Inactive for New Design. Use Class KS or KT
	KS	Environmental Firewall	Complete	Silicone	175°C	Stainless	Passivated		–	–	•			
	KT	Environmental Firewall	Complete	Silicone	175°C	Carbon Steel	96 hr. Cad O.D.		–	–	•			
	L	Environmental High Temperature	Complete	Silicone	200°C	Aluminum	Electroless Nickel		–	–	•			
	LS	Environmental High Temperature	Complete	Silicone	200°C	Stainless Steel	Passivated		–	–	•			
	U	Environmental High Temperature	Partial	Silicone	200°C	Aluminum	Electroless Nickel		–	–	•			Inactive for New Design. Use Class L
	US	Environmental High Temperature	Partial	Silicone	200°C	Stainless Steel	Passivated		–	–	•			Inactive for new Design. Use Class LS
Section 1D	W	Environmental General Purpose	Partial	Silicone	175°C	Aluminum	96 hr. Cad O.D.		–	–	•			
MIL-C-10544 Section 2	ALL	Environmental Signal Corps Audio U Series	Limited	Neoprene	125°C	Stainless Steel	Passivated	Reverse Bayonet	See Remarks			16	10	Solder and Taper Pin Terminations
MIL-C-12520	ALL	Environmental Signal Corps Power UW Series	Limited	Neoprene	125°C	Aluminum	Cad O.D.	Center Lock Screw	•	–	–	20 16 12 8	30 19 4 4	
Section 3														
MIL-C-22249 Section 4	ALL	Environmental High Pressure Bulkhead	Complete	Silicone	73°C	Stainless Steel	Passivated	Threaded	•	–	–	20 16	189 138	Undersea Connectors
MIL-C-22539 Section 5	ALL	Environmental High Pressure Bulkhead	Complete	Dially Phthalate	73°C	Stainless Steel	Passivated	Threaded	•	–	–	16 12	68 5	Superseded by MIL-C-24217
MIL-C-22992 Class C, J & R	C*C*	Environmental Pressurized	Limited	Neoprene	125°C	Aluminum	500 hr Cad O.D	Threaded Double Start	•	–	–	16 12 8 4 1/0	85 37 7 5 4	
	C*N*	Environmental Pressurized	Limited	Neoprene	125°C	Aluminum	Black Anodize		•	–	–			
	J*C*	Environmental Pressurized, with Grommet	Limited	Neoprene	125°C	Aluminum	500 hr Cad O.D.		•	–	–			
	J*N*	Environmental Pressurized, with Grommet	Limited	Neoprene	125°C	Aluminum	Black Anodize		•	–	–			
	R*C*	Environmental	Limited	Neoprene	125°C	Aluminum	500 hr Cad O.D.		•	–	–			
Section 6B	R*N*	Environmental	Limited	Neoprene	125°C	Aluminum	Black Anodize		•	–	–			
MIL-C-22992 Class L	L (C)	Environmental, Gland Seal Backshell	Limited	Neoprene	125°C	Aluminum	500 hr Cad O.D.		–	•		6 4 2 1/0 4/0	4 4 4 4 4	60Hz to 400Hz
	L (N)	Environmental, Gland Seal Backshell	Limited	Neoprene	125°C	Aluminum	Black Anodize		–	•				
Section 6D														

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MILITARY SPECIFICATION COMPARISON

MILITARY SPECIFICATION	CLASS	CHARACTERISTICS				SHELL			CONTACTS					REMARKS
		TYPE	FLUID RESISTANCE	SEALING MATERIAL	MAX TEMP	MATERIAL	FINISH	COUPLING	SOLDER	CRIMP		SIZE	MAX QTY	
										FRONT	REAR			
	ALL	High Pressure Bulkhead	Complete	Silicone	75°C	Stainless Steel	Passivated	Coupling	•	–	–	16	48	Undersea Connector
												12	9	
MIL-C-24217												8	3	
												4	3	
Section 7												1/0	2	
MIL-C-25955	–	Environmental	Limited	Neoprene	125°C	Aluminum	Cadmium	Threaded Double Start	–	•	–	20	50	Inactive for new design
Section 8	–	Hermetic	Limited	Neoprene	125°C	Carbon Steel	Tinned		•	–	–			Inactive for new design
	A	Non-Environmental Solid Shell	Limited	Neoprene	125°C	Aluminum	96 hr Cad O.D.		•	–	–			
	B	Non-Environmental with Strain Relief	Limited	Neoprene	125°C	Aluminum	96 hr Cad O.D.		•	–	–			
	E	Environmental with Grommet Nut	Limited	Neoprene	125°C	Aluminum	96 hr Cad O.D.		•	–	–			
	F	Environmental with Strain Relief	Limited	Neoprene	125°C	Aluminum	96 hr Cad O.D.		•	–	–			
MIL-C-26482 Series 1 Solder	H*A*	Hermetic	Limited		125°C	Stainless Steel	Passivate	Bayonet	•	–	–	20	61	Solder Cup
	H*B*	Hermetic	Limited		125°C	Stainless Steel	Passivate		•			16	31	Eyelet
	H*C*	Hermetic	Limited		125°C	Carbon Steel	Tinned		•			12	19	Solder Cup
	H*Y*	Hermetic	Limited		125°C	Carbon Steel	Tinned		•					Eyelet
	J	Environmental Gland Seal	Limited	Neoprene	125°C	Aluminum	96 hr Cad O.D.		•					
Section 9B	P	Environmental Potting Seal	Limited	Neoprene	125°C	Aluminum	96 hr Cad O.D.		•					
MIL-C-26482 Series 1 Crimp	E	Environmental with Grommet Nut	Limited	Neoprene	125°C	Aluminum	96 hr Cad O.D.	Bayonet	–	•	–	20	61	
	F	Environmental with Strain Relief	Limited	Neoprene	125°C	Aluminum	96 hr Cad O.D.		–	•	–	16	31	
Section 9C	P	Environmental Potting Seal	Limited	Neoprene	125°C	Aluminum	96 hr Cad O.D.		–	•	–	12	19	
	A	Environmental	Complete	Silicone	175°C	Aluminum	Black Anodize		–	–	•			
	E	Environmental	Complete	Silicone	175°C	Aluminum	Electroless Nickel							Inactive - Use Class L
	H*A*	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivate		•	–	–			Solder Cup
	H*B*	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivate		•	–	–			Eyelet
MIL-C-26482 Series 2	H*C*	Hermetic	Complete	Silicone	175°C	Carbon Steel	Tinned	Bayonet	•	–	–	20	61	Solder Cup
	H*Y*	Hermetic	Complete	Silicone	175°C	Carbon Steel	Tinned		•	–	–	16	31	Eyelet
	L	Environmental	Complete	Silicone	200°C	Aluminum	Electroless Nickel		–	–	•	12	19	
	N	Hermetic	Complete	Silicone	175°C	Carbon Steel	Tinned		–	–	•			Crimp termination
	S	Environmental	Complete	Silicone	200°C	Stainless Steel	Electroless Nickel		–	–	•			
	W	Environmental	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.		–	–	•			
	E	Environmental, High Temperature	Partial	Silicone	200°C	Stainless Steel	Passivate		–	•	–			
	F	Environmental, Fluid Resistant	Complete	Silicone	175°C	Aluminum	Anodic Coating		–	•	–			
	G	Environmental, Grounding	Partial	Silicone	200°C	Aluminum	Electroless Nickel		–	•	–			
MIL-C-26500	H*C	Hermetic	Partial	Silicone	200°C	Carbon Steel	Tinned	Bayonet or Threaded	•	–	–	20	61	Solder Cup
	H*E	Hermetic	Partial	Silicone	200°C	Carbon Steel	Tinned		•	–	–	16	31	Eyelet
	K	Environmental, FIrewall	Partial	Silicone	200°C	Stainless Steel	Passivate		–	•	–	12	19	
	R	Environmental	Partial	Silicone	175°C	Aluminum	Black Anodize		–	•	–			
	P*A	Potting Seal	–	None	150°C	Aluminum	Bright/Gold Cad over Nickel		•			22M		
	P*B	Potting Seal	–	None	150°C	Aluminum	Bright/Gold Cad over Nickel		•			22D		
MIL-C-27599 Series I	T*A	Non-Environmental	–	None	175°C	Aluminum	500 hr Cad O.D.	Bayonet	•			20		
	T*B	Non-Environmental	–	None	175°C	Aluminum	500 hr Cad O.D.		•			16		
												12		
	P*A	Potting Seal	–	None	150°C	Aluminum	Bright/Gold Cad over Nickel		•			22M		
	P*B	Potting Seal	–	None	150°C	Aluminum	Bright/Gold Cad over Nickel		•			22D		
MIL-C-27599 Series II	T*A	Non-Environmental	–	None	175°C	Aluminum	500 hr Cad O.D.	Bayonet	•			20		
	T*B	Non-Environmental	–	None	175°C	Aluminum	500 hr Cad O.D.		•			16		
												12		
	D	Environmental	Partial	Silicone	175°C	Aluminum	500 hr Cad O.D.			•				
	DJ	Environmental with Backshell	Partial	Silicone	175°C	Aluminum	500 hr Cad O.D.	Threaded Double Start		•		20	155	
MIL-C-28840	DJS	Environmental with Backshell	Partial	Silicone	175°C	Stainless Steel	Black Cadmium			•				
	DS	Environmental	Partial	Silicone	175°C	Stainless Steel	Black Cadmium			•				

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MILITARY SPECIFICATION	CLASS	CHARACTERISTICS				SHELL			CONTACTS					REMARKS
		TYPE	FLUID RESISTANCE	SEALING MATERIAL	MAX TEMP	MATERIAL	FINISH	COUPLING	SOLDER	CRIMP FRONT	CRIMP REAR	SIZE	MAX QTY	
MIL-C-28876 Section 13	ALL	Environmental	Complete	Fluorosilicone	65°C	Aluminum	500 hr Cad O.D.	Threaded	Fiber Optic			–	31	
MIL-C-29600 Series A MIL-C-38999 Insert	E	Environmental	Complete	Silicone	175°C	Composite	None	Threaded Triple Start			•	22D	128	
	G	Environmental, Space Grade	Complete	Silicone	175°C	Composite	Tin				•	22	100	
	R	Environmental	Complete	Silicone	175°C	Composite	Tin				•	20	61	
Section 14B												16	37	
												12	19	
MIL-C-29600 Series B MIL-C-81511 Insert Section 14B	E	Environmental	Complete	Silicone	175°C	Composite	None	Threaded Triple Start			•	23	155	
	G	Environmental, Space Grade	Complete	Silicone	175°C	Composite	Tin				•	20	74	
	R	Environmental	Complete	Silicone	175°C	Composite	Tin				•	16	41	
												12	19	
MIL-C-38999 Series 1 Scoop Proof	E*A*	Environmental (Superseded by Class T)	Complete	Silicone	150°C	Aluminum	Bright/Gold Cad over Nickel	Bayonet			•	22M	128	Finish Inactive for new design
	E*B*	Environmental (Superseded by Class T)	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•	22D	128	
	E*C*	Environmental (Superseded by Class T)	Complete	Silicone	200°C	Aluminum	Black Anodize				•	22	100	Finish Inactive for new design
	E*F*	Environmental (Superseded by Class T)	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•	20	61	
	P*A*	Environmental, Potting Seal	Complete	Silicone	150°C	Aluminum	Bright/Gold Cad over Nickel				•	16	37	Finish Inactive for new design
	P*B*	Environmental, Potting Seal	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•	12	19	
	P*C*	Environmental, Potting Seal	Complete	Silicone	200°C	Aluminum	Black Anodize				•	10	9	Finish Inactive for new design
	P*F*	Environmental, Potting Seal	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•	8	4	
	T*A*	Environmental	Complete	Silicone	150°C	Aluminum	Bright/Gold Cad over Nickel				•			Finish Inactive for new design
	T*B*	Environmental	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•			
	T*C*	Environmental	Complete	Silicone	200°C	Aluminum	Black Anodize				•			Finish Inactive for new design
	T*F*	Environmental	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•			
	Y*D*	Hermetic	Complete	Silicone	150°C	Carbon Steel	Fused Tin		Solder cup or Eyelet					
	Y*E*	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated							
Section 16B	Y*N*	Hermetic	Complete	Silicone	200°C	Stainless Steel	Electro deposited Nickel							
MIL-C-38999 Series II Low Profile	E*A*	Environmental, with Gland Nut	Complete	Silicone	150°C	Aluminum	Bright/Gold Cad over Nickel	Bayonet			•	22M	128	Finish Inactive for new design
	E*B*	Environmental, with Gland Nut	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•	22D	128	
	E*C*	Environmental, with Gland Nut	Complete	Silicone	200°C	Aluminum	Black Anodize				•	22	100	Finish Inactive for new design
	E*F*	Environmental, with Gland Nut	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•	20	61	
	P*A*	Environmental, Potting Seal	Complete	Silicone	150°C	Aluminum	Bright/Gold Cad over Nickel				•	16	37	Finish Inactive for new design
	P*B*	Environmental, Potting Seal	Complete	Silicone	175°C	Aluminum	500 hr Cad OD				•	12	19	
	P*C*	Environmental, Potting Seal	Complete	Silicone	200°C	Aluminum	Black Anodize				•			Finish Inactive for new design
	P*F*	Environmental, Potting Seal	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•			
	T*A*	Environmental	Complete	Silicone	150°C	Aluminum	Bright/Gold Cad over Nickel				•			Finish Inactive for new design
	T*B*	Environmental	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•			
	T*C*	Environmental	Complete	Silicone	200°C	Aluminum	Black Anodize				•			Finish Inactive for new design
	T*F*	Environmental	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•			
	Y*D*	Hermetic	Complete	Silicone	150°C	Carbon Steel	Fused Tin		Solder cup or Eyelet					
	Y*E*	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated							
Section 16C	Y*N*	Hermetic	Complete	Silicone	200°C	Stainless Steel	Electro deposited Nickel							
MIL-C-38999 Series III Scoop Proof	C	Environmental	Complete	Silicone	200°C	Aluminum	Black Anodize	Threaded Triple Start			•	22M	128	
	F	Environmental	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•	22D	128	
	G	Environmental, Space Grade	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•	22	100	
	H	Hermetic, Space Grade	Complete	Silicone	200°C	Stainless Steel	Electroless Nickel		•			20	61	
	J	Environmental	Complete	Silicone	175°C	Composite	2000 hr Salt Spray				•	16	37	
	K	Environmental, Firewall	Complete	Silicone	200°C	Stainless Steel	Passivated				•	12	19	
	M	Environmental	Complete	Silicone	200°C	Composite	Electroless Nickel				•	10	9	
	N	Hermetic	Complete	Silicone	200°C	Stainless Steel	Electro deposited Nickel		•			8	4	
	S	Environmental	Complete	Silicone	200°C	Stainless Steel	Electro deposited Nickel				•			
	W	Environmental	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•			
Section 16D	Y	Hermetic	Complete	Silicone	200°C	Stainless Steel	Electroless Nickel		•					

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MILITARY SPECIFICATION	CLASS	CHARACTERISTICS				SHELL			CONTACTS					REMARKS
		TYPE	FLUID RESISTANCE	SEALING MATERIAL	MAX TEMP	MATERIAL	FINISH	COUPLING	SOLDER	CRIMP		SIZE	MAX QTY	
										FRONT	REAR			
MIL-C-55116 Section 17	–	Environmental, Cable Seal	Partial	Neoprene	125°C	Stainless Steel	Passivated	Reverse Bayonet	•			20	5	Spring Loaded Contacts
MIL-C-55181 Section 18	–	Environmental, Cable Seal	Partial	Neoprene	125°C	Carbon Steel	96 hr Cad O.D.	Center Lock Screw	•					
MIL-C-55243 Section 19	–	Environmental, Cable Seal	Partial	Neoprene	125°C	Aluminum	96 hr Cad O.D.	Reverse Bayonet	•					
MIL-C-81511 Series1 Gang Release* Superseded by Series 3 Section 20B	A	Environmental	Complete	Silicone	200°C	Aluminum	Electroless Nickel	Bayonet			*	23 20 16 12	155 74 41 19	
	B	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated		•					Inactive for New Design
	C	Environmental, Potting Seal	Complete	Silicone	200°C	Aluminum	Electroless Nickel				*			Inactive for New Design
	D	Hermetic	Complete	Silicone	175°C	Stainless Steel	Passivated		•					
	E	Environmental	Partial	Silicone	150°C	Aluminum	96 hr Cad O.D.				*			
	F	Environmental	Complete	Silicone	175°C	Aluminum	Electroless Nickel				*			
	G	Hermetic	Complete	Silicone	175°C	Stainless Steel	Passivated		•					Inactive for New Design
	H	Hermetic	Complete	Silicone	150°C	Carbon Steel	Tinned		•					
	P	Environmental, Potting Seal	Partial	Silicone	150°C	Aluminum	96 hr Cad O.D.				*			Inactive for New Design
	T	Environmental, Potting Seal	Complete	Silicone	175°C	Aluminum	Electroless Nickel				*			Inactive for New Design
MIL-C-81511 Series 2 Gang Release* Superseded by Series 4 Section 20C	A	Environmental	Complete	Silicone	200°C	Aluminum	Electroless Nickel	Bayonet			*	23 20 16 12	85 38 21 9	
	B	Hermetic	Complete	Silicone	200°C	Stalinless Steel	Passivated		•					Inactive for New Design
	C	Environmental, Potting Seal	Complete	Silicone	200°C	Aluminum	Electroless Nickel				*			Inactive for New Design
	D	Hermetic	Complete	Silicone	175°C	Stainless Steel	Passivated		•					
	E	Environmental	Partial	Silicone	150°C	Aluminum	96 hr Cad O.D.				*			
	F	Environmental	Complete	Silicone	175°C	Aluminum	Electroless Nickel				*			
	G	Hermetic	Complete	Silicone	175°C	Stainless Steel	Passivated		•					Inactive for New Design
	H	Hermetic	Complete	Silicone	150°C	Carbon Steel	Tinned		•					
	P	Environmental, Potting Seal	Partial	Silicone	150°C	Aluminum	96 hr Cad O.D.				*			Inactive for New Design
	T	Environmental, Potting Seal	Complete	Silicone	175°C	Aluminum	Electroless Nickel				*			Inactive for New Design
MIL-C-81511 Series 3 Section 20D	A	Environmental	Complete	Silicone	200°C	Aluminum	Electroless Nickel	Bayonet			•	23 20 16 12	155 74 41 19	
	D	Hermetic	Complete	Silicone	175°C	Stainless	Passivated		•					
	F	Environmental	Complete	Silicone	175°C	Aluminum	Electroless Nickel				•			
	L	Hermetic	Complete	Silicone	175°C	Steel	Tinned				•			Crimp Termination Inactive
	W	Environmental	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•			
MIL-C-81511 Series 4 Section 20E	A	Environmental	Complete	Silicone	200°C	Aluminum	Electroless Nickel	Bayonet			•	23 20 16 12	85 38 21 9	
	D	Hermetic	Complete	Silicone	175°C	Carbon Steel	Passivated		•					
	F	Environmental	Complete	Silicone	175°C	Aluminum	Electroless Nickel				•			
	L	Hermetic	Complete	Silicone	175°C	Carbon Steel	Tinned				•			Crimp Termination Inactive
	W	Environmental	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•			
MIL-C-81703 Series 1 Section 21B	E	Environmental	Partial	Neoprene	125°C	Aluminum	96 hr Cad O.D.	Push Pull	•			20 16 12	37 24 12	
	H	Hermetic	Partial	Neoprene	125°C	Carbon Steel	Tinned		•					
	J	Gland Seal	Partial	Neoprene	125°C	Aluminum	96 hr Cad O.D.		•					
	P	Environmental, Potting Seal	Partial	Neoprene	125°C	Aluminum	96 hr Cad O.D.		•					
MIL-C-81703 Series 2 Section 21C	E	Environmental	Partial	Neoprene	175°C	Aluminum	96 hr Cad O.D.	Push Pull		•		20 16 12	37 24 12	
	J	Gland Seal	Partial	Neoprene	175°C	Aluminum	96 hr Cad O.D.			•				
MIL-C-81703 Series 3 Section 21D	E	Environmental	Complete	Silicone	200°C	Aluminum	500 hr Cad O.D.	Push Pull			•	20 16 12	61 24 12	
	H	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated		•					
	L	Environmental	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•			
	N	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated				•			Crimp Termination

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MILITARY SPECIFICATION COMPARISON

MILITARY SPECIFICATION	CLASS	CHARACTERISTICS				SHELL			CONTACTS					REMARKS
		TYPE	FLUID RESISTANCE	SEALING MATERIAL	MAX TEMP	MATERIAL	FINISH	COUPLING	SOLDER	CRIMP		SIZE	MAX QTY	
										FRONT	REAR			
MIL-C-81703 Series 1 Section 21B	E	Environmental	Partial	Neoprene	125°C	Aluminum	96 hr Cad O.D.	Push Pull	•			20 18 12	37 24 12	
	H	Hermetic	Partial	Neoprene	125°C	Carbon Steel	Tinned		•					
	J	Gland Seal	Partial	Neoprene	125°C	Aluminum	96 hr Cad O.D.		•					
	P	Environmental, Potting Seal	Partial	Neoprene	125°C	Aluminum	96 hr Cad O.D.		•					
MIL-C-81703 Series 2 Section 21C	E	Environmental	Partial	Neoprene	175°C	Aluminum	96 hr Cad O.D.	Push Pull		•		20 18 12	37 24 12	
	J	Gland Seal	Partial	Neoprene	175°C	Aluminum	96 hr Cad O.D.			•				
MIL-C-81703 Series 3 Section 21D	E	Environmental	Complete	Silicone	200°C	Aluminum	500 hr Cad O.D.	Push Pull			•	20 18 12	61 24 12	
	H	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated		•					
	L	Environmental	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•			
	N	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated				•			Crimp Termination
MIL-C-83526 Fiber Optic Section 22	ALL	Environmental	Complete	Aluminum	65°C	Aluminum	Grey Anodize	Threaded	Fiber Optic			–	6	Hermaphroditic Connectors
MIL-C-83723 Series I Section 9E	A	Environmental	Complete	Silicone	200°C	Aluminum	Black Anodize	Bayonet			•	20 16 12	61 31 19	Superseded by MIL-C-26482 Series 2 Crimp Rear Release Contacts.
	G	Environmental	Complete	Silicone	200°C	Stainless Steel	Passivated				•			
	H	Hermetic	Partial	Silicone	150°C	Carbon Steel	Tinned		•					
	R	Environmental	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•			
	Y	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated		•					
MIL-C-83723 Series II Section 1E	A	Environmental	Complete	Silicone	200°C	Aluminum	Black Anodized	Threaded			•	16 12 8 4 1/0	85 37 7 5 4	Superseded by MIL-C-5015 Crimp Rear Release Contacts. Rear Backshell threads are different
	F	Environmental, Superseded by Class R	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•			
	G	Environmental	Complete	Silicone	200°C	Stainless Steel	Passivated				•			
	H	Hermetic	Partial	Silicone	150°C	CarbonSteel	Tinned		•					
	K	Environmental, Firewall	Complete	Silicone	200°C	Stainless Steel	Passivated				•			
	R	Environmental	Complete	Silicone	200°C	Aluminum	Electronless Nickel				•			
	Y	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated		•					
MIL-C-83723 Series III Bayonet Section 10D	A	Environmental	Complete	Silicone	200°C	Aluminum	Black Anodized	Bayonet			•	20 16 12	61 31 19	
	G	Environmental	Complete	Silicone	200°C	Stainless Steel	Passivated				•			
	H	Hermetic	Partial	Silicone	150°C	Carbon Steel	Tinned		•					
	K	Environmental, Firewall	Complete	Silicone	200°C	Stainless Steel	Passivated				•			
	N	Environmental	Complete	Silicone	200°C	Stainless Steel	Electronless Nickel				•			
	R	Environmental	Complete	Silicone	200°C	Aluminum	Electroless Nickel				•			
	W	Environmental	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•			
	Y	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated		•					
MIL-C-83723 Series III Threaded Section 10D	A	Environmental	Complete	Silicone	200°C	Aluminum	Black Anodize	Threaded			•	20 16 12	61 31 19	
	G	Environmental	Complete	Silicone	200°C	Stainless Steel	Passivated				•			
	H	Hermetic	Partial	Silicone	150°C	Carbon Steel	Tinned		•					
	K	Environmental Firewall	Complete	Silicone	200°C	Stainless Steel	Passivated				•			
	N	Environmental	Complete	Silicone	200°C	Stainless Steel	Electroless Nickel				•			
	R	Environmental	Complete	Silicone	200°C	Aluminum	Electorless Nickel				•			
	S	Environmental, EMI Self Locking Firewall	Complete	Silicone	200°C	Stainless Steel	Passivated				•			
	W	Environmental	Complete	Silicone	175°C	Aluminum	500 hr Cad O.D.				•			
	Y	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated		•					
NAS1599 Bayonet Section 24	G	Environmental	Complete	Silicone	200°C	Aluminum	Chrome Plated	Bayonet			•	20 16	61 21	
	H	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated		•					Solder Cup
	R	Environmental	Complete	Silicone	200°C	Aluminum	Black Anodize				•			
NAS1599 Threaded Section 24	G	Environmental	Complete	Silicone	200°C	Aluminum	Chrome Plated	Threaded			•	20 16 12	55 19 12	
	H	Hermetic	Complete	Silicone	200°C	Stainless Steel	Passivated		•					Solder Cup
	R	Environmental	Complete	Silicone	200°C	Aluminum	Black Anodize				•			

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