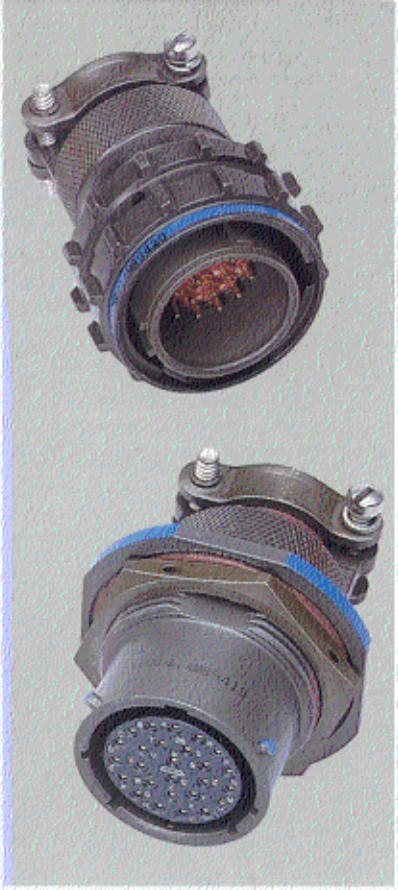
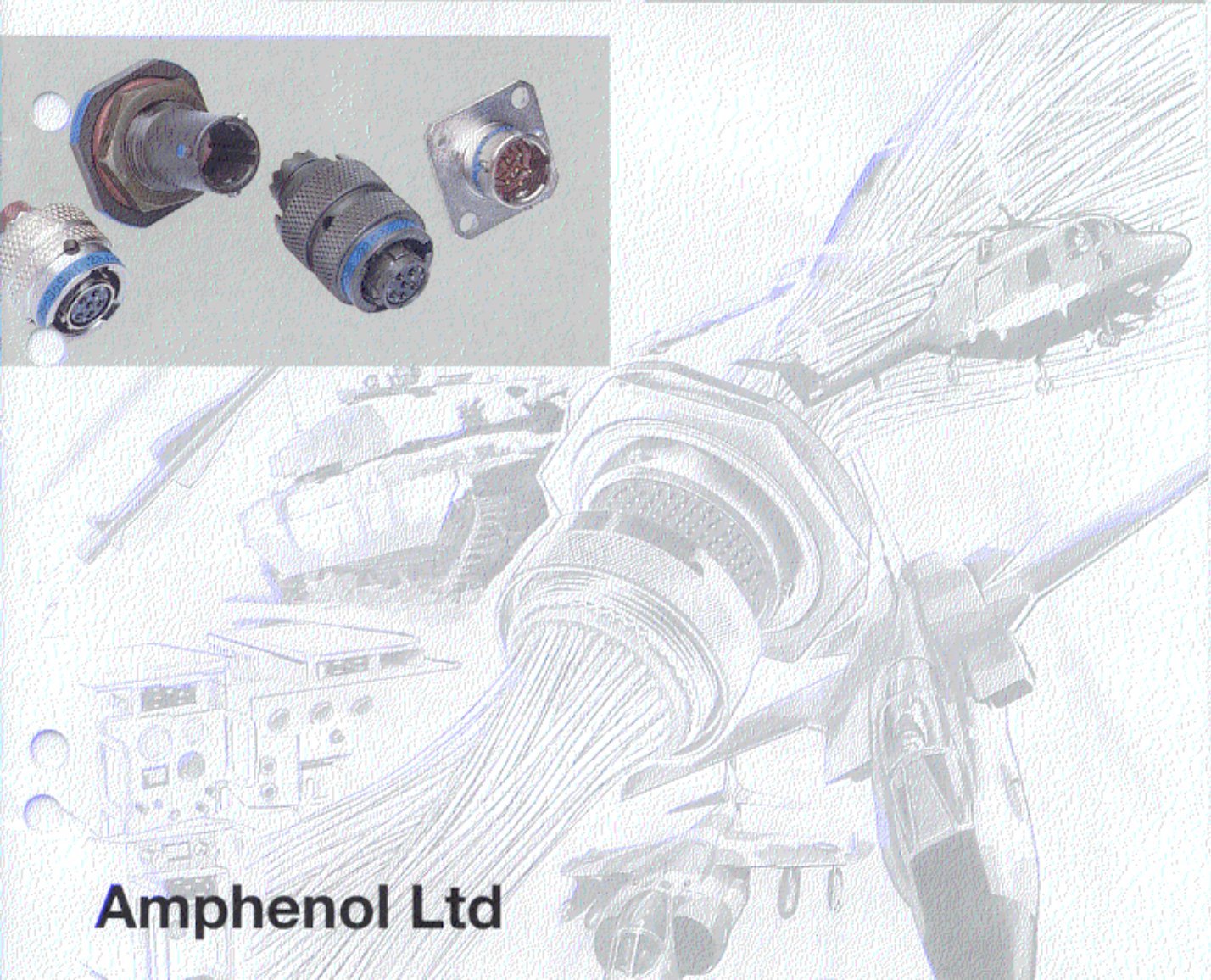


Amphenol

MIL-C-38999

Full range catalogue



Amphenol Ltd

MIL-C-38999 range

MIL-C-38999 connectors are designed & approved to meet the most stringent requirements of the military and aerospace industry. Within the connector range Amphenol produce 4 series of connectors. These cover low profile light weight to ruggedised scoop proof connectors. All connectors are rated at 175°C for olive drab finish and 200°C for electroless Nickel. A Cadmium free olive drab version is available. Contact counts in the connectors range from 1 to 128 with five sizes of contact and over 100 insert planforms are available. With this broad range, a MIL-C-38999 connector is suitable for the majority of harsh environment applications

JT Light weight low profile bayonet connector. Ideal for use in avionics box and other limited space conditions.

Approved to: MIL-C-38999 series 2
BS9520 G0002
PAN 6433-1
HE309

SJT A light weight scoop proof bayonet connector intermountable with MIL-C-26482 type connectors. Commonly used on European military aircraft

Approved to: LN29729
VG96912
PAN 6433-2
JN1003

LJT A range of rugged scoop proof bayonet connector suitable for general duty applications ie. ground suport systems.

Approved to: MIL-C-38999 series 1
BS9522 F0029, BS9520 G0001
HE308

TV Highest performance connector with quick threaded coupling mechanism. Used in high vibration & EMI/RFI environments and on portable communication systems. A stainless steel connector firewall version is available for use on engine harnesses.

CTV Composite light weight connector ideal for use in aircraft or extreme salt spray environments.

TVRB Marine Nickel Aluminium Bronze version chosen for use on standard naval applications.

Approved to: MIL-C-38999 series 3
BS9522 F0039 / BS9520 G0003
JN1034

TVP00R CTVP00R BS-C6170 D38999/20 JN1034A Wall mounting receptacle 10
TVP02R CTV02R JN1034F Box mounting receptacle 11
TV06R BS-C6176 D38999/26 Straight plug JN1034C 12
TV07R CTV07R BS-C6177 D38999/24 JN1034B Jam nut receptacle 13
TV JN1034D Dummy receptacle 14
TVPS02Y D38999/21 Hermetic box mounting receptacle 15
TVS07Y D38999/23 Hermetic jam nut receptacle 16
TVS1Y D388999/25 Hermetic solder mounting receptacle 17
TV - Cable Clamp 18
TV - Receptacle protection cap 19
TV - Plug protection cap 20

LJT00R BS-C6160 MS27466 HE308-00T Wall mounting receptacle 21
LJTPQ00R BS-C6163 MS27656 Wall mounting receptacle (back panel mounting) 22
LJT02R BS-C6162 MS27496 Box mounting receptacle 23
LJTP02R BS-C6164 MS27505 Box mounting receptacle (back panel mounting) 23
LJT06R BS-C6166 MS27467 HE308-06T Straight plug 24
LJT06R (WXX) BS-C6165 Straight Plug (with heavy duty coupling ring) 25
LJT07R BS-C6167 MS27468 HE308-07T jam nut receptacle 26
LJT00 MS27469 Hermetic wall mounting receptacle 27
LJT07 MS27470 Hermetic jam nut receptacle 28
LJT1Y MS27471 Hermetic solder mounting receptacle 29
LJT Receptacle protection cap 30
LJT Plug protection cap 31

JT00R BS-C2022 MS27472 Wall mounting receptacle 32
JTPQ00R BS-C2023 MS27497 HE309 03T PAN 6432-1B Wall mounting receptacle (back panel mounting) 33
JT02R BS-C2251 MS27499 Box mounting receptacle 34
JTP02R BS-C2253 MS27508E PAN 6433-1E Box mounting receptacle (back panel mounting) 35
JT06R BS-C2020 MS27473 HE309 06T PAN 6433-IF - Ungrounded 36
JTG06R BS-C2021 MS27484 HE309 G06T PAN 6433-IFG - Grounded straight plug 36
JT07R BS-C2024 MS27474 HE309-07T PAN 6433-1A Jam nut receptacle 37
JT00 MS27475 Hermetic wall mounting receptacle 38
JT02 MS27476 Hermetic box mounting receptacle 39
JT07 MS27477 Hermetic jam nut receptacle 40
JT1 MS27478 Hermetic solder mounting receptacle 41
JT PAN 6433-IM Receptacle protection cap 42
JT PAN 6433-IM Plug protection cap 43
JT/LJT Cable Clamp 44

SJT00RT JN1003-B PAN 6433-2B VG96912-A Wall mounting receptacle 45
SJTP02RE Box mounting receptacle (back panel mounting) 46
SJT02RE JN1003-H Box Mounting Receptacle 47
SJT06RT/SJTG06RT JN1003-FG PAN 6433-2F, PAN 6433-2FG VG96912-D, VG96912-E Straight plugs 48
SJT07RT JN1003-A PAN 6433-2A VG96912-B Jam nut receptacle 49
SJT JN1003-R Dummy receptacle 50
SJTB JN1003-J Through Bulkhead 51
SJT1Y JN1003-E Hermetic solder mounting receptacle 52
SJT07Y - Hermetic Jam nut receptacle 53
SJT - Accessories Cable Clamp 54
SJT - Accessories Receptacle protection cap 55
SJT - Accessories Plug protection cap 56

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Specifications

Contact Rating

Contact Size	22D	22M	22	20	16	12	8
Wire Size	Test Current						
28	1.5	1.5	-	-	-	-	-
26	2.0	2.0	2.0	-	-	-	-
24	3.0	3.0	3.0	3.0	-	-	-
22	5.0	-	5.0	5.0	-	-	-
20	-	-	-	7.5	7.5	-	-
18	-	-	-	-	10.0	-	-
16	-	-	-	-	13.0	-	-
14	-	-	-	-	-	17.0	-
12	-	-	-	-	-	23.0	-
10	-	-	-	-	-	-	-
8	-	-	-	-	-	-	46.0
6	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
Hermetic Contacts	3	2	3	5	10	17	N/A
Crimp Well Data							
Diameter ± 0.01	0.0345	0.0280	0.0365	0.047	0.067	0.100	0.181
Depth	0.141	0.141	0.141	0.209	0.209	0.209	0.394
Maximum Milivolt Drop							
Crimp Contacts	73	45	73	55	49	42	26
Hermetic Contacts	85	60	85	60	85	85	N/A
Hermetic Contacts according to M39029 Standard	803	803	803	605	539	462	N/A

Tested using silver plated wire

Service Rating**

Service Rating	Suggested Operating Voltage (Sea Level)		Test Voltage (Sea Level)	Test Voltage 50,000ft	Test Voltage 70,000ft	Test Voltage 110,000ft
	AC(RMS)	DC				
M	400	500	1300 VRMS	550 VRMS	350 VRMS	200 VRMS
N	300	450	1000 VRMS	400 VRMS	260 VRMS	200 VRMS
I	600	850	1800 VRMS	600 VRMS	400 VRMS	200 VRMS
II	900	1250	2300 VRMS	800 VRMS	500 VRMS	200 VRMS

* Please note that the establishment of electrical safety factors is left entirely in the designers hands, since he is in the best position to know what peak voltages, switching surges, transients, etc., can be expected in a particular circuit.

EMI shielding effectiveness

Frequency MHz	Leakage attentuation (dB) Minimum				
	Series II	Series III			Series I & SJT
	Finish B and F	Class K and Y	Class F, N, M and S	Class W and J	Finish B and F
100	65	80	90	90	90
200	60	75	88	88	88
300	55	73	88	88	88
400	55	71	87	87	87
800	45	66	85	85	85
1,000	45	65	85	85	85
1,500	-	59	76	69	69
2,000	-	55	70	65	65
3,000	-	52	69	61	61
4,000	-	50	68	58	58
6,000	-	48	66	55	55
10,000	-	45	65	50	50

Fluid Immersion

(a) MIL-H-5606
(b) M2-V chevroni
(c) MIL-T-5624 (grade JP-5)
(d) MIL-L-7803
(e) MIL-L-23699
(f) MIL-A-8243
(g) MIL-L-25769 (Diluted for cleaning)
(h) MIL-G-3056 Type 1
(i) Isopropyl alcohol per TT-1-735, grade A or B mixed one part by volume with three parts by volume of mineral spir its per TT-T-291, type 1 or P-D-680, type 1
(j) 1-1-1 trichloroethane
(k) Azeotrope or trichlorotri flouroethane (Freon TMC or equal) and methylene chloride
(l) Coolant-dielectric fluid synthetic silicate ester base

Insert availability and identification

JT	LJT	TV	SJT	Status	Crimp	Hermetics		Service Rating	Total Contacts	Contact Size									
						Class H	Class Y*			22D	22M	22	20	16	12	8 (Coax)	8 == (Twinax)	10 (Power)	12 Coax
8-2				B	#P			M	2				2						
8-3	9-3			B B	#P #			M	3				3						
8-6	9-6			C C	X X			M	6		6								
	9-7			B	X #			M	7		7								
	9-22			B				I	2				2						
8-35	9-35	9-35	8-35	A A	X X	P	P	M	6	6									
8-44	9-44			B B	X X			M	4			4							
8-97				B	#			M	4		2		2						
8-98	9-98	9-98	8.98	A A	X X	P	P	I	3				3						
		11-01	10-01		2 2			M	I								1		
	11-2	11-2	10.02		2			I	2					2					
10-4	11-4				2 2			I	4				4						
10-5	11-5	11-5	10-5		X 2			I	5				5						
	11-6			B	# #			I	6				6						
10-13	11-13			C C	X X			M	13		13								
10-35	11-35	11-35	10-35 10.35	A A	X X	P	P	M	13	13									
10-98	11-98	11-98		A A	X X			I	6				6						
10-99	11-99				X P			I	7				7						
12-3	13-3				X P			II	3					3					
12-4	13-4	13-4	12-4		X X	P	P	I	4					4					
12-8	13-8	13-8	12-8		X X			I	8				8						
12-22	13-22			C C	X X			M	22		22								
12-35	13-35	13-35	12-35	A A	X X	P	P	M	22	22									
12-98	13-98	13-98	12-98	A A	X X			I	10				10						
14-4	15-4			B B	2 3			I	4						4				
14-5	15-5	15-5	14-5	A A	X X			II	5					5					
14-15	15-15	15-15	14-15		X X			I	15				14	1					
14-18	15-18	15-18	14-18	A A	X X			I	18				18						
14-19	15-19	15-19	14-19	A A	X X	P	P	I	19				19						
14-35	15-35	15-35	14-35	A A	X X	P	P	M	37	37									
14-37	15-37			C C	X X			M	37		37								
14-68	15-68			B B	2 3			I	8					8					
14-97	15-97	15-97	14-97	A A	2 2			I	12				8	4					
	17-2	17-2		B	2			M	39	38						1			
16-6	17-6	17-6	16-6		X X	P	P	I	6						6				
16-8	17-8	17-8	16-8		X X			II	8					8					
16-13	17-13			B	2 2			i	13					13					
16-26	17-26	17-26	16-26	A A	x X			I	26				26						
16-35	17-35	17-35	16-35	A A	X X	P	P	M	55	55									
16-42	17-42			B B	X P			M	42			42							
16-55	17-55			C C	X X			M	55		55								
16-99	17-99	17-99	16-99		X X			I	23				21	2					
18-11	19-11	19-11	18-11		X X			II	11					11					
		19-17	18-17		2 2			M	17	10			1	4			2		
18-28	19-28				X P			i	28				26	2					
18-30	19-30				X P			I	30				29	1					
18-32	19-32	19-32	18-32		X X	P	P	I	32				32						

(A) Preferred
(B) Non preferred
(C) Inactive
(X) Fully Tooled

(2) Not tooled for RP or 02RE
(3) Pin insert only, not tooled for RP or 02RE
Solder contact version only

(P) Pin insert only
* Sames as H with interfacial seal
✞ For RG180/Uand RG195/U Cables only

(S) Socket inserts only
** Two size 16 contacts dedicated to fiber optics
✞✞ Size 8 Coax, Twinax and Power contacts are interchangeable

NOTE: MS Connector 21-75 is supplied with size 8 twinax. Proprietary connector 21-75 is supplied with size 8 coax

Insert availability and identification

JT	LJT	TV	SJT	Status	Crimp	Hermetics		Service Rating	Total Contacts	Contact Size									
						Class H	Class Y*			22D	22M	22	20	16	12	8 (Coax)	8 == (Twinax)	10 (Power)	12 Coax
18-35			18-35	A	X			M	66	66									
	19-35	19-35		A	X														
18-53				B	X			M	53			53							
	19-53			B	P														
18-66				C	X			M	66		66								
	19-66			C	X														
								M	67		67								
	19-67			B	3														
18-68				B	2			I	18					18					
	19-68			B	3														
18-96				B	2			I	9						9				
20-1				C	X			M	79		79								
	21-1			C	X														
20-2			20-2	B	X			M	65			65							
	21-2			B	2														
20-11			20-11		3			I	11						11				
	21-11	21-11			X														
20-16			20-16		X			II	16					16					
	21-16	21-16			X	P	P												
	21-24			B	#			I	24				24						
	21-25			B	#			I	25				25						
	21-27			B	#			I	27				27						
20-35			20-35	A	X			M	79	79									
	21-35	21-35		A	X														
20-39			20-39		X			I	39				37	2					
	21-39				X														
20-41			20-41	A	X			I	41				41						
	21-41	21-41		A	X														
			20-75	B	2			M	4							4✞✞	(See Note)		
	21-75	21-75		B	X														
			20-79	B	2			II	19	17							2✞✞		
	21-79			B	2														
22-1			22-1	2	X			M	100		100								
	23-1			C	X														
22-2			22-2	B	V			M	85			85							
	23-2			B	X														
22-14				B	2			I	14						14				
	23-14			B	3														
22-21			22-21		X			II	21					21					
	23-21	23-21			X														
22-32					X			I	32				32						
	23-34			B	#			I	34				34						
22-35			22-35	A	X			M	100	100									
	23-35	23-35		A	X														
	23-36			B	#			I	36				36						
22-53			22-53		P			I	53				53						
	23-53	23-53			X														
		23-54			2			M	53	40				9	4				
22-55					X			I	55				55						
	23-55	23-55			3														
	23-97			B	#			II	16					16					
	23-99			B	#			II	11					11					
24-1				C	X			M	128		128								
	25-1			C	X														
24-2			24-2	B	X			M	100			100							
	25-2			B	X														
24-4			24-4		X			I	56				48	8					
	25-4	25-4			X														
			24-7	B	2			M	99	97							2		
	25-7			B	2														
			24-11					N	11				2					9	
	25-11	25-11			2														
24-19			24-19		2			I	19						19				
	25-19	25-19			2														
			24-20	A				N	30				10	13**			3		4
	25-20	25-20		A	2														
24-24			24-24		X			I	24					12	12				
	25-24	25-24			X														
		25-26			2			I	25				16		5	4			
24-29			24-29		X			I	29					29					
	25-29	25-29			X														
24-35			24-35	A	X			M	128	128									
	25-35	25-35		A	X														
24-37			24-37	B	2			I	37					37					
	25-37	25.37		B	2														
			24.41		2			N	41	22			3	11	2		3		
		25.41			2														
24-43			24-43		3			I	43				23	20					
	25-43	25-43			2														
			24-46		2			I	46				40	4		2✞			
	25-46	25-46			2														
24-61			24-61		X	P	P	I	61				61						
	25-61	25-61			X														
	25.64				2			M	64	18			28	18					

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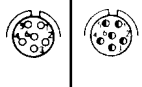
Insert arrangements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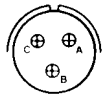
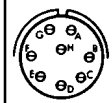
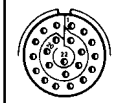
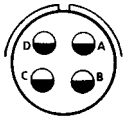
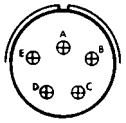
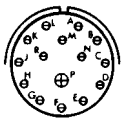
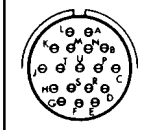
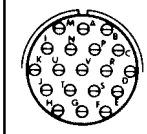
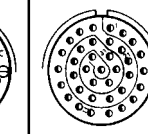
												
11-6	10-13* 11-13	10-35 11-35	10-98 11-98	10-99 11-99	12-3 13-3	12-4 13-4	12-8 13-8	12-22* 13-22	12-35 13-35			
												
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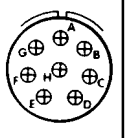	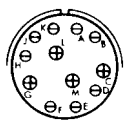	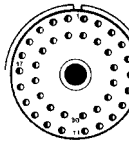	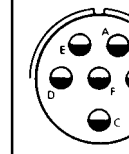	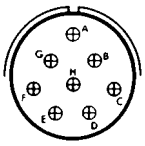	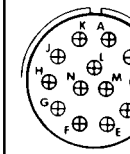	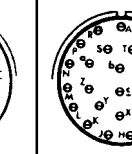						
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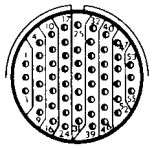	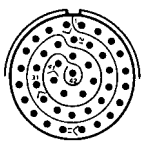	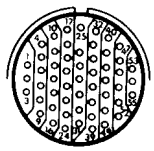		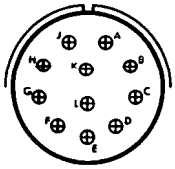	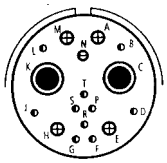							
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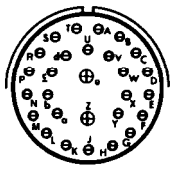	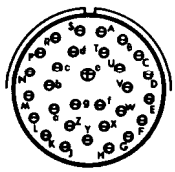	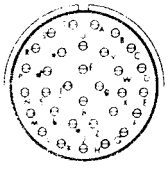	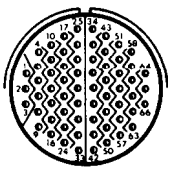	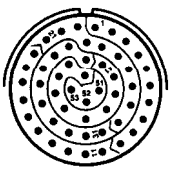								
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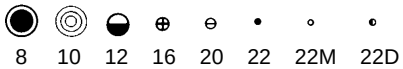
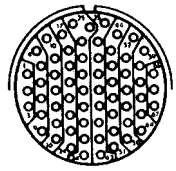
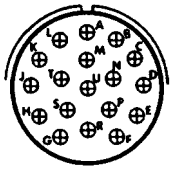
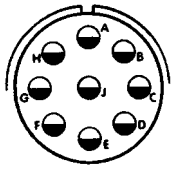
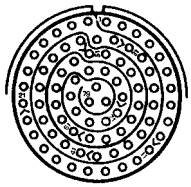
Contact Legend
Front end of pins illustrated



Insert arrangements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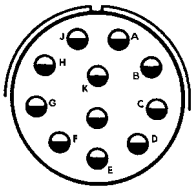	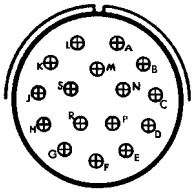	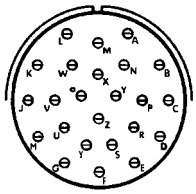	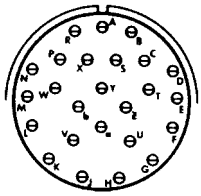	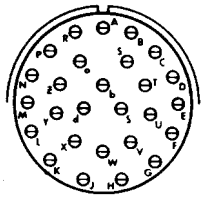
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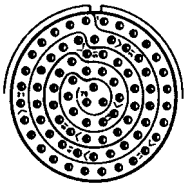	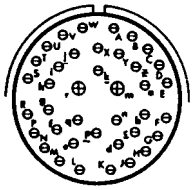	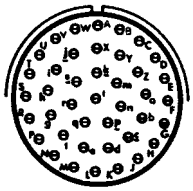	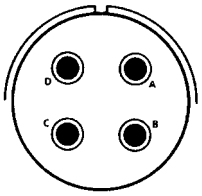	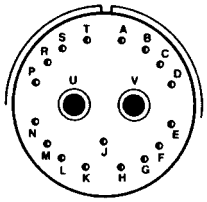
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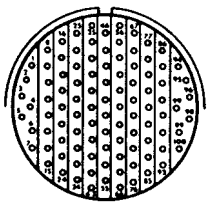	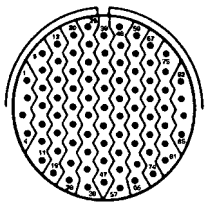	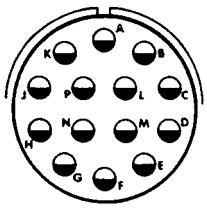	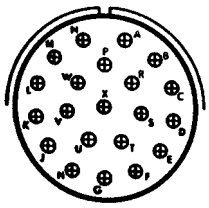	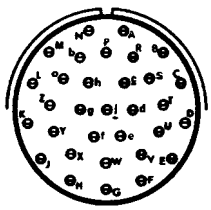
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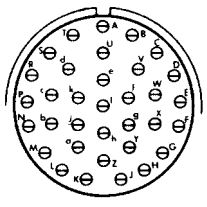	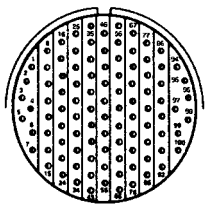	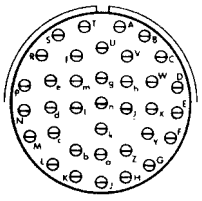	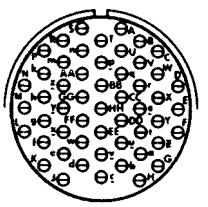	
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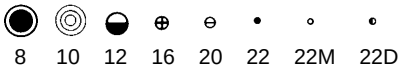
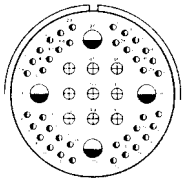
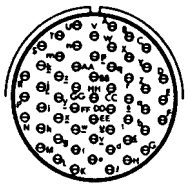
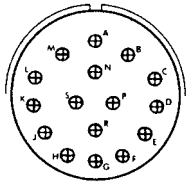
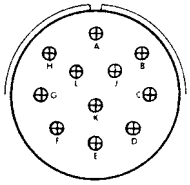
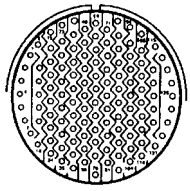
Contact Legend
Front end of pins illustrated



Insert arrangements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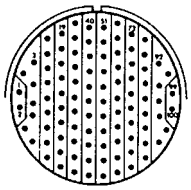	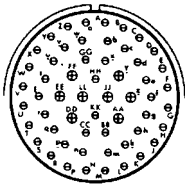	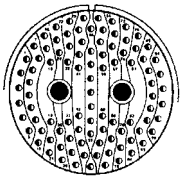	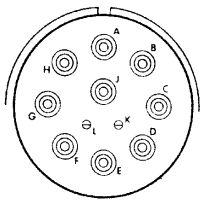	
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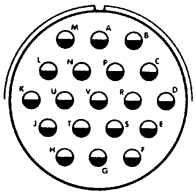	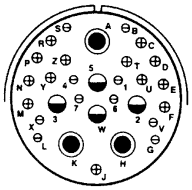	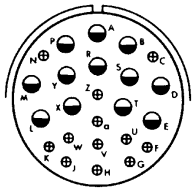	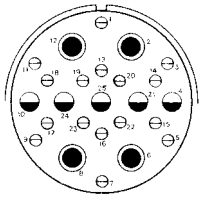	
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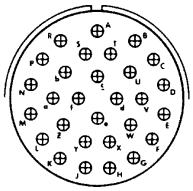
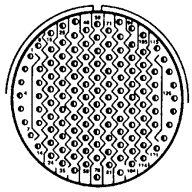
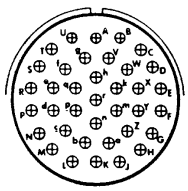
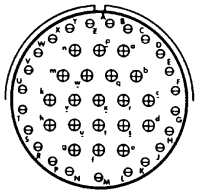
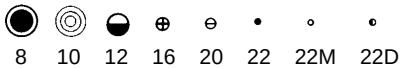
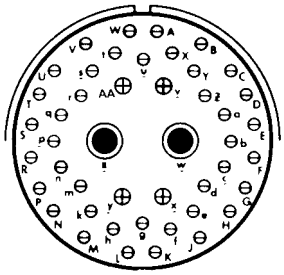
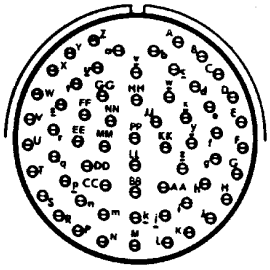
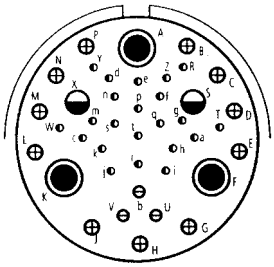
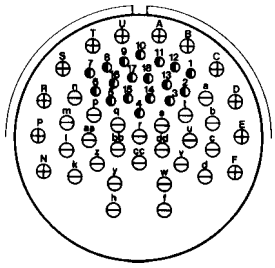
				
24-29 25-29	24-35 25-35	24-37 25-37	24-43 25-43	

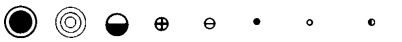
Contact Legend
Front end of pins illustrated



Insert arrangements

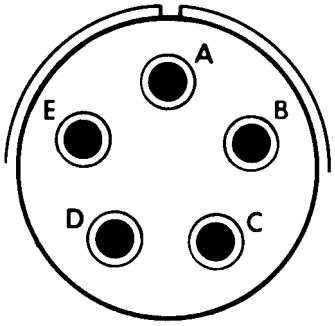
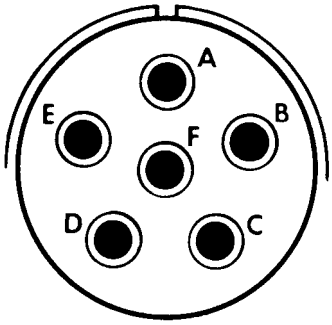
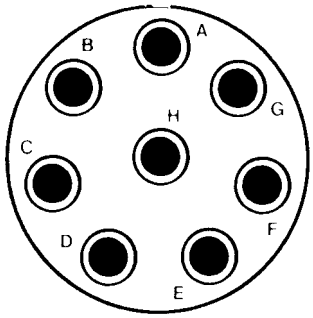
	
24-46 25-46	24-61 25-61
	
24-41 25-41	25-64

Contact Legend
Front end of pins illustrated



8 10 12 16 20 22 22M 22D

New Inserts

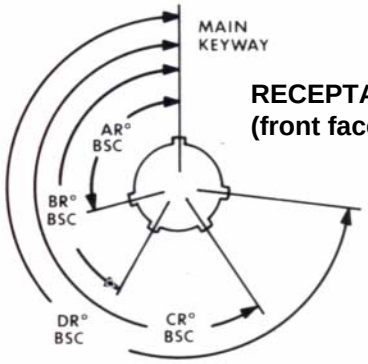
		
23-5	23-6	25-8

Insert Orientations

A plug with a given rotation letter will mate with a receptical with the same rotation letter. The angles for a given connector are the same whether it contains pins or sockets. Inserts are not rotated in conjunction with the master key/keyway.

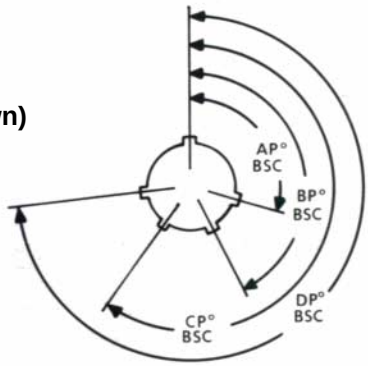
Master Key/Keyway Rotation

Shell Size	Key & Keyway Arrangement identification letter	AR° or AP° BSC	BR° or BP° BSC	CR° or CP° BSC	DR° or DP° BSC
9	N A B C D E	105 102 80 35 64 91	140 132 118 140 155 131	215 248 230 205 234 197	265 320 312 275 304 240
11 13 15	N A B C D E	95 113 90 53 119 51	141 156 145 156 146 141	208 182 195 220 176 184	236 292 252 255 298 242
17 19	N A B C D E	80 135 49 66 62 79	142 170 169 140 145 153	196 200 200 200 180 197	293 310 244 257 280 272
21 23 25	N A B C D E	80 135 49 66 62 79	142 170 169 140 145 153	196 200 200 200 180 197	293 310 244 257 280 272

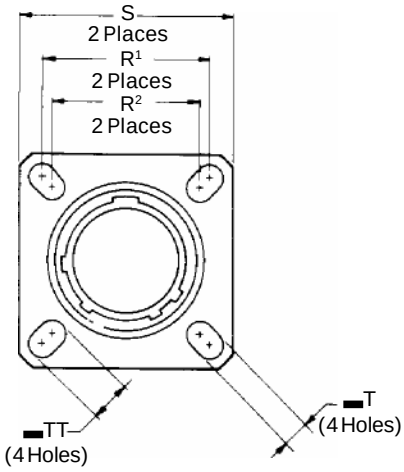


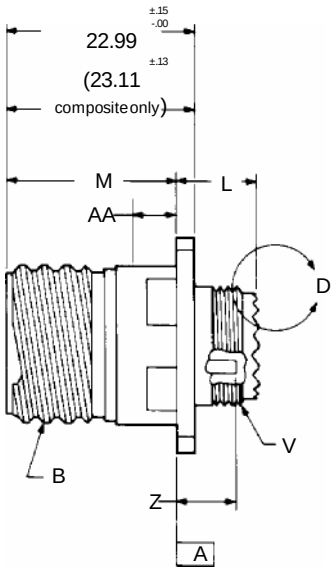
RECEPTACLE
(front face shown)

PLUG
(front face shown)



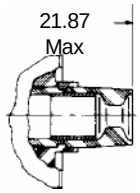
TVP00R, CTVP00R, BS-C6170 D38999/20 JN1034A
Wall mounting receptacle





***TVP00RW...**	**Olive Drab Aluminium**
***TVPS00RF...**	**Nickel Plated Aluminium**
***TVPS00RB...**	**Marine Aluminium Bronze**
***TVPS00RS...**	**Nickel Plated Stainless**
***TVPS00RK...**	**Firewall Stainless Steel**
***CTVP00RW...**	**Olive Drab Composite**
***CTVPS00RF...**	**Electroless Nickel Composite**
***BS9522G0003C6170...**	**BS Specification**
***D38999/20...**	**Mil Specification**
***JN1034A...**	**Olive Drab Aluminium**
***CECC75-201-002B**	**Marine Aluminium Bronze**

From Surface A



View D enlarged for size 8 coaxial use only

* To complete order see "how to order" pages.

▬ ⌖ 0.01 Dia Ⓜ

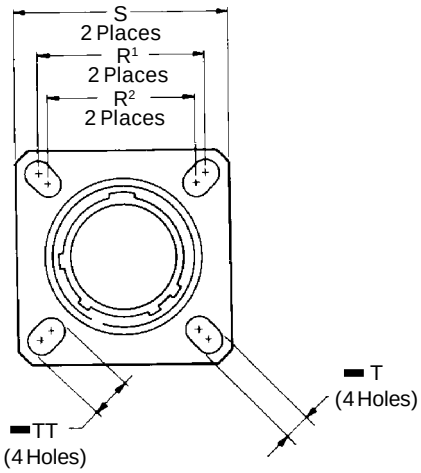
Shell Size	MS Shell Size Code	B Thread Class 2A 0.1P-0.3L-TS (Plated)	L Max	M +.00 -.13	M Composite +.00 -.13	R1	R2	S ±.25	T -.20 -.13	Z Max	TT +.20 -.13	V Thread Metric	AA Max Panel Thickness
9	A	.6250	11.91	20.83	19.69	18.26	15.09	24.1	3.25	3.89	5.49	M12X1-6g	5.94
11	B	.7500	11.91	20.83	19.69	20.62	18.26	26.5	3.25	3.89	4.93	M15X1-6g	5.94
13	C	.8750	11.91	20.83	19.69	23.01	20.62	28.9	3.25	3.89	4.93	M18X1-6g	5.94
15	D	1.0000	11.91	20.83	19.69	24.61	23.01	31.3	3.25	3.89	4.93	M22X1-6g	5.94
17	E	1.1875	11.91	20.83	19.69	26.97	24.61	33.7	3.25	3.89	4.93	M25X1-6g	5.94
19	F	1.2500	11.91	20.83	19.69	29.36	26.97	36.9	3.25	3.89	4.93	M28X1-6g	5.94
21	G	1.3750	12.70	20.07	18.92	31.75	29.36	40.1	3.25	4.65	4.93	M31X1-6g	5.18
23	H	1.5000	12.70	20.07	18.92	34.93	31.75	43.3	3.91	4.65	6.15	M34X1-6g	5.18
25	J	1.6250	12.70	20.07	18.92	38.10	34.93	46.4	3.91	4.65	6.15	M37x1-6g	5.18

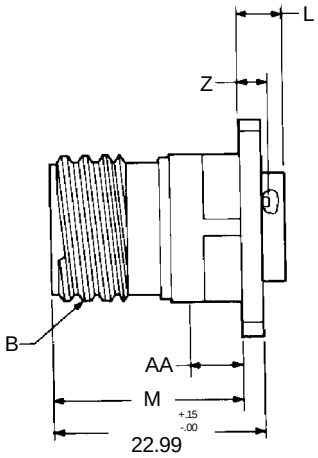
All dimensions for reference only

▢ Designates true position dimensioning

TVP02R CTVP02R JN1034F

Box mounting receptacle





***TVP02RW... Olive Drab Aluminium**
***TVPS02RF... Electroless Nickel Aluminium**
***TVPS02RB... Marine Aluminium Bronze**
***TVPS02RS... Nickel Plated Stainless Steel**
***TVPS02RK... Firewall stainless Steel**
***CTVP02RW.. Olive Drab Composite**
***CTVP02RF.. Electroless Nickel Composite**
***JN1034F... Olive Drab Aluminium**

* To complete order number, see "How to order" pages.

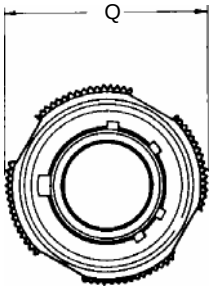
⌖ 0.13 Dia Ⓜ

Shell Size	MS Shell Size Code	B Thread Class 2a 0.1P-0.3L-TS `(Plated)	L Max	M +.00 -.13	R1	R2	S ±.25	T +.20 -.13	Z Max	AA Max Panel Thickness	TT +.20 -.13
9	A	.6250	5.21	20.83	18.26	15.09	23.82	3.25	3.89	5.94	5.49
11	B	.7500	5.21	20.83	20.62	18.26	26.19	3.25	3.89	5.94	4.93
13	C	.8750	5.21	20.83	23.01	20.62	28.58	3.25	3.89	5.94	4.93
15	D	1.0000	5.21	20.83	24.61	23.01	30.96	3.25	3.89	5.94	4.93
17	E	1.1875	5.21	20.83	26.97	24.61	33.32	3.25	3.89	5.94	4.93
19	F	1.2500	5.21	20.83	29.36	26.97	36.52	3.25	3.89	5.94	4.93
21	G	1.3750	5.97	20.07	31.75	29.36	39.67	3.25	4.65	5.18	4.93
23	H	1.5000	5.97	20.07	34.92	31.75	42.88	3.91	4.65	5.18	6.15
25	J	1.6250	5.97	20.07	38.10	34.92	46.02	3.91	4.65	5.18	6.15

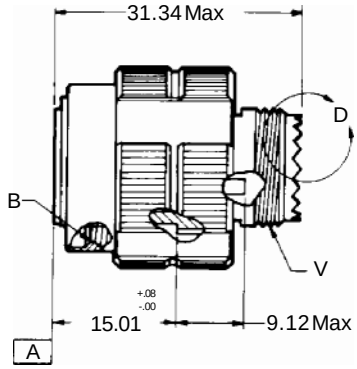
All dimensions for reference only

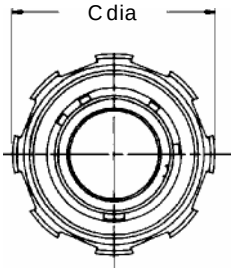
☐ Designates true position dimensioning

TV06R, CTV06, BS-C6176 D38999/26 JN1034C
Straight plug

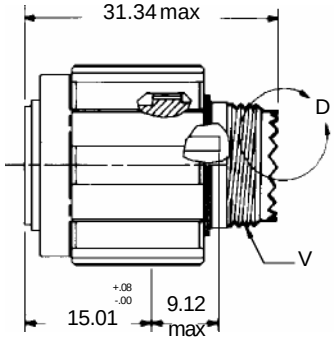


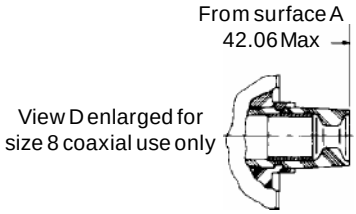
*	TV06RW- ...	Olive Drab Aluminium
*	TVS06RF- ...	Electroless Nickel Aluminium
*	TVS06RB- ...	Marine Aluminium Bronze
*	TVS06RS- ...	Electroless Nickel Stainless Steel
*	TVS06RK- ...	Firewall Stainless Steel
*	CTV06RW-...	Olive Drab Composite
*	CTVS06RF	Electroless Nickel Composite
*	BS9520 G0003 C6176 ...	BS Specification
*	D38999/26-...	Mil Specificatation
*	JN1034C...	Olive drab Aluminium





*	TVS06RB-... (W88)	Marine Aluminium Bronze
*	CECC75-201-002A-...	Marine Aluminium Bronze



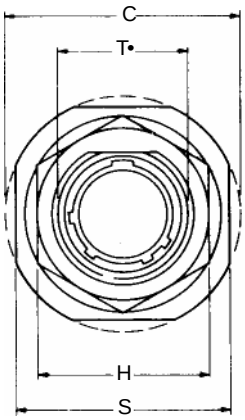


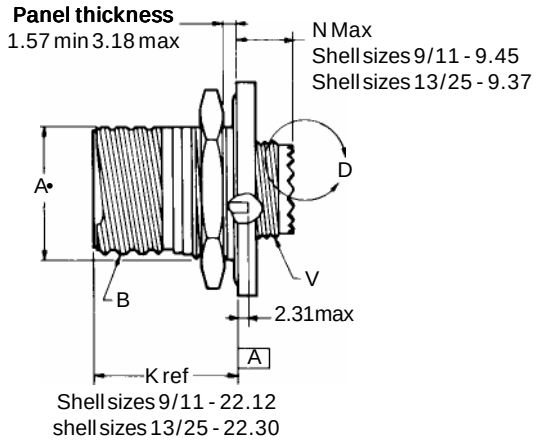
* To complete order number, see "how to order" pages

Shell Size	MS Shell Size Code	C Dia Max	B Thread 0.1P.0.3L.TS.2B Code	Q Max	V Thread Metric
9	A	21.1	.6250	21.82	M12X1.6g
11	B	23.8	.7500	24.62	M15X1.6g
13	C	28.2	.8750	28.98	M18X1.6g
15	D	31.4	1.0000	32.16	M22X1.6g
17	E	36.5	1.1875	35.33	M25X1.6g
19	F	39.3	1.2500	38.10	M28X1.6g
21	G	42.5	1.3750	41.28	M31X1.6g
23	H	45.3	1.5000	44.45	M34X1.6g
25	J	48.4	1.6250	47.63	M37X1.6g

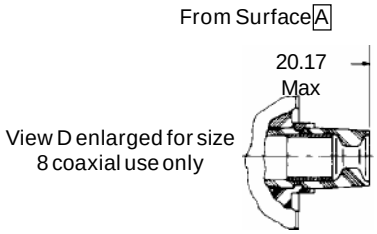
All dimensions for reference only

TV07R, CTV07R BS-C6177 D38999/24 JN1034B
Jam nut receptacle





*	TV07RW-...	Olive drab Aluminium
*	TVS07RF-...	Electroless Nickel Aluminium
*	TVS07RB-...	Marine Aluminium Bronze
*	TVS07RS-...	Electroless Nickel Stainless Steel
*	TVS07RK-...	Firewall stainless Steel
*	CTV07RW-...	Olive drab composite
*	CTVS07RF-...	Electroless Nickel composite
*	BS9520G0003C6177-...	BS approved
*	D38999/24-...	Mil Spec Approved
*	JN1034B...	Olive drab Aluminium
*	CECC75-201-002-C-...	Marine Aluminium Bronze



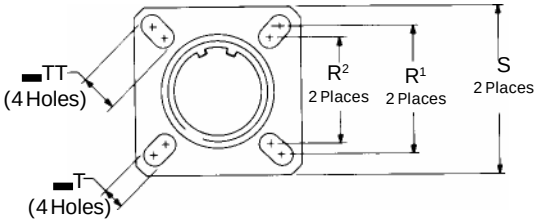
* To complete order number see "how to order" pages
• D shaped panel cut-out dimensions

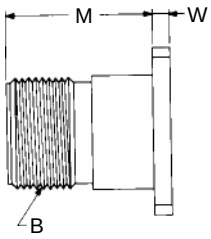
Shell size	MS shell size code	A• +.00 -.25	C max	H hex +.43 -.41	S ±.25	T• +.25 -.00	V thread metric	B Thread Class 2A 0.1P-0.3L-TS (Plated)
9	A	16.99	30.45	22.23	26.97	17.70	M12X1-6g	.6250
11	B	19.53	35.20	25.40	31.75	20.88	M15X1-6g	.7500
13	C	24.26	38.38	30.18	34.93	25.58	M18X1-6g	.8750
15	D	27.53	41.55	33.32	38.10	28.80	M22X1-6g	1.000
17	E	30.68	44.73	36.53	41.28	31.98	M25X1-6g	1.1875
19	F	33.86	49.50	39.67	46.02	35.15	M28X1-6g	1.2500
21	G	37.06	52.65	42.88	49.23	38.28	M31X1-6g	1.3750
23	H	40.01	55.85	46,02	52.37	41.50	M34X1-6g	1.500
25	J	43.41	59.00	50.80	55.58	44.68	M37X1-6g	1.6250

All dimensions for reference only

TV BS-A6178 JN1034D

Dummy receptacle





Aluminium

* 10-553974-XXX
* BS9522-G0003A6178
* JN1034D

Nickel Aluminium Bronze

* 418-1392-XX

Finish	10-No. Suffix
Olive Drab, Cadmium, nickel base	-XX9
Electroless nickel	-XXG

* To complete order number, add shell size and suffix number. For example, shell size 11 with olive drab cadmium nickel base, 10-553974-119
For Nickel Aluminium Bronze dummy receptacle shell size only "XX" =

⌖ 0.13 Dia Ⓜ

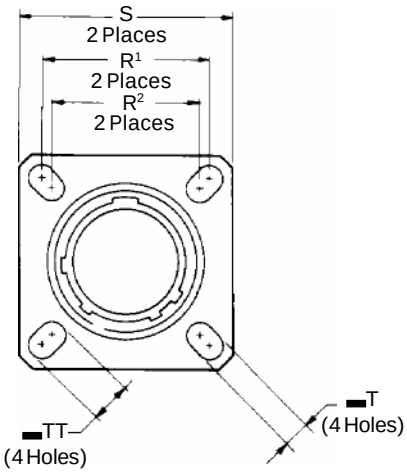
Shell Size	MS Shell Size Code	B Thread Class 2A 0.1P-0.3L-TS (Plated)	M +.51 -.00	R1	R2	S ±.25	T +.20 -.15	W ±.25	TT +.20 -.15
9	A	.6250	20.88	18.26	15.09	23.83	3.25	2.49	5.49
11	B	.7500	20.88	20.62	18.26	26.19	3.25	2.49	4.93
13	C	.8750	20.88	23.01	20.62	28.58	3.25	2.49	4.93
15	D	1.0000	20.88	24.61	23.01	30.96	3.25	2.49	4.93
17	E	1.1875	20.88	26.97	24.61	33.32	3.25	2.49	4.93
19	F	1.2500	20.88	29.36	26.97	36.53	3.25	2.49	4.93
21	G	1.3750	20.09	31.75	29.36	39.67	3.25	3.18	4.93
23	H	1.5000	20.09	34.93	31.75	42.88	3.91	3.18	6.15
25	J	1.6250	20.09	38.10	34.93	46.02	3.91	3.18	6.15

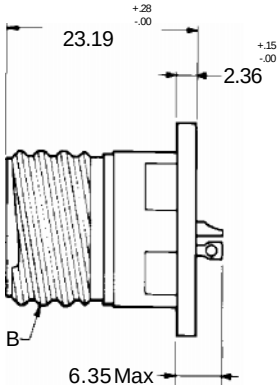
All dimensions for reference only

☐ Designates true position dimensioning

TVPS02Y D38999/21

Box mounting receptacle - Hermetic





***TVPS02Y...** **Stainless Steel**
***TVPS02YN...** **Nickel Plated Stainless Steel**
***D38999/21...** **Mil Specification**

* To complete order number, see "how to order" pages.

0.13 Dia Ⓜ

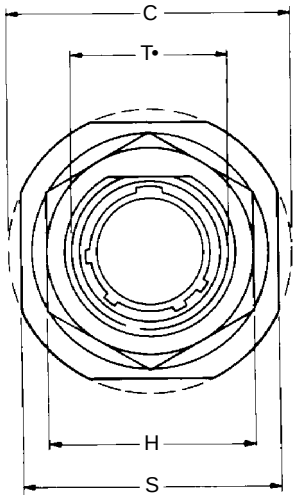
Shell Size	MS Shell Size Code	B Thread Class 2a 0.1P-0.3L-TS (Plated)	R1	R2	S ±.25	T +.20 -.13	TT +.20 -.13
9	A	.6250	18.26	15.09	23.83	3.25	5.49
11	B	.7500	20.62	18.26	26.19	3.25	4.93
13	C	.8750	23.01	20.62	28.58	3.25	4.93
15	D	1.0000	24.61	23.01	30.96	3.25	4.93
17	E	1.1875	26.97	24.61	33.32	3.25	4.93
19	F	1.2500	29.36	26.97	36.53	3.25	4.93
21	G	1.3750	31.75	29.36	39.67	3.25	4.93
23	H	1.5000	34.93	31.75	42.88	3.91	6.15
25	J	1.6250	38.10	34.93	46.02	3.91	6.15

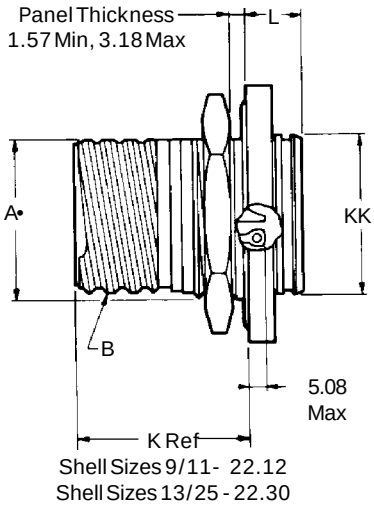
All dimesions for reference only

☐ designates true position dimensioning

TVS07Y D38999/23

Jam nut receptacle - Hermetic





* **TVS07Y- ... Stainless Steel**
* **TVS07YN- ... Nickel Plated Stainless Steel**
* **D38999/23 ... Mil Specification**

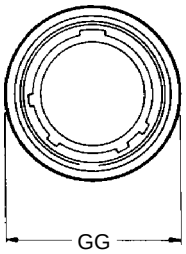
* To complete order number, see "how to order" pages

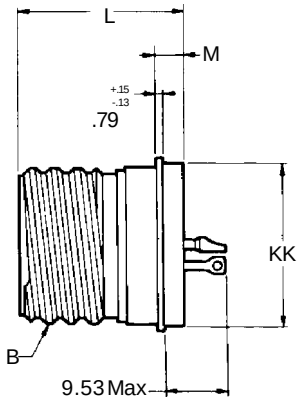
Shell Size	MS Shell Size Code	A• +.00 -.25	B Thread Class 2a 0.1P-0.3L-TS (Plated)	C Max	H Hex +.43 -.41	L Max	S ±.25	T• -.25 -.00	KK +.28 -.00
9	A	16.99	.6250	30.45	22.23	9.07	26.97	17.70	16.31
11	B	19.53	.7500	35.20	25.40	9.07	31.75	20.88	19.46
13	C	24.26	.8750	38.38	30.18	9.07	34.93	25.58	22.66
15	D	27.53	1.0000	41.55	33.32	9.07	38.10	28.80	25.86
17	E	30.68	1.1875	44.73	36.53	9.07	41.28	31.98	29.01
19	F	33.86	1.2500	49.50	39.67	9.68	46.02	35.15	32.21
21	G	37.06	1.3750	52.65	42.80	9.68	49.23	38.28	35.36
23	H	40.01	1.5000	55.85	46.02	9.68	52.37	41.50	38.56
25	J	43.41	1.6250	59.00	50.80	9.68	55.58	44.68	41.71

All dimensions for reference only. • D shaped panel cut-out dimensions

TVS1Y D38999/25

Solder mounting receptacle - Hermetic





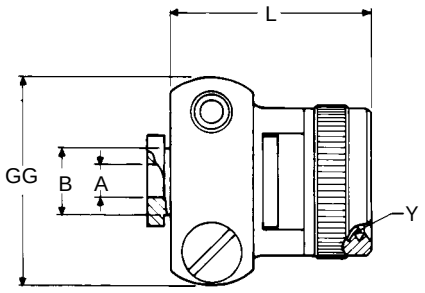
* **TVS1Y…** **Stainless Steel**
* **TVS1YN-…** **Nickel Plated Stainless Steel**
* **D38999/25…** **Mil Specification**

* To complete order number, see "how to order" pages

Shell Size	MS Shell Size Code	B Thread Class 2a 0.1P-0.3L-TS (Plated)	L +.28 -.00	M +.15 -.13	GG Dia +.28 -.25	KK Dia +.03 -.13
9	A	.6250	20.47	3.18	19.05	17.07
11	B	.7500	20.47	3.18	21.44	19.84
13	C	.8750	20.47	3.18	24.61	23.01
15	D	1.0000	20.47	3.18	27.79	26.19
17	E	1.1875	20.47	3.18	30.94	29.36
19	F	1.2500	20.47	3.18	33.32	31.75
21	G	1.3750	20.47	3.18	36.53	34.93
23	H	1.5000	21.29	3.96	39.70	38.10
25	J	1.6250	21.29	3.96	42.88	41.28

All dimensions for reference only

TV - Accessories
Cable Clamp



*** 10-595103-XXX**

* To complete order number, add shell size and suffix number.
For example, shell size 11 with cadmium plate, nickel base, 10-595103-119.

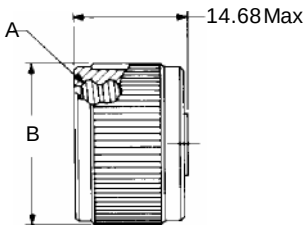
Finish	10-No. Suffix
Chromate treat	-XX0
Anodic coating	-XX5
Cadmium plate nickel base	-XX7
Olive Drab, Cadmium, nickel base	-XX9
Electroless nickel	-XXG

Shell Size	A Dia +.02 -.06	B Dia +.00 -.03	L Max	Y Thread	GG Max
9	3.17	6.35	23.42	M12X1-6H	19.68
11	4.77	7.92	23.42	M15X1-6H	20.09
13	7.92	11.12	23.42	M18X1-6H	24.46
15	9.52	14.27	29.76	M22X1-6H	27.60
17	12.70	15.89	29.76	M25X1-6H	29.31
19	15.87	19.05	29.76	M28X1-6H	35.54
21	15.87	19.05	29.76	M31X1-6H	35.54
23	19.03	23.82	32.94	M34X1-6H	40.31
25	20.32	25.54	32.94	M37X1-6H	42.69

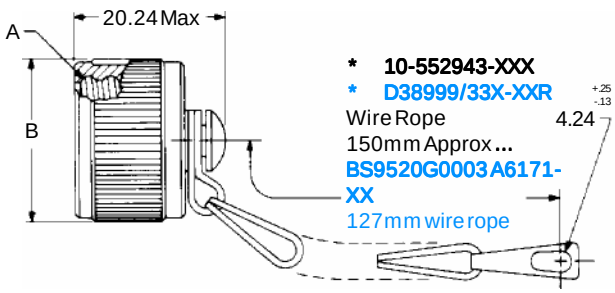
All dimensions for reference only

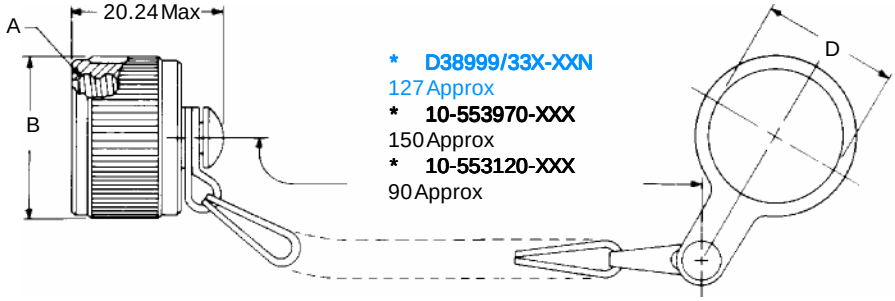
Tri-Start - Accessories BS-A6171 D38999/33

Receptacle protection cap

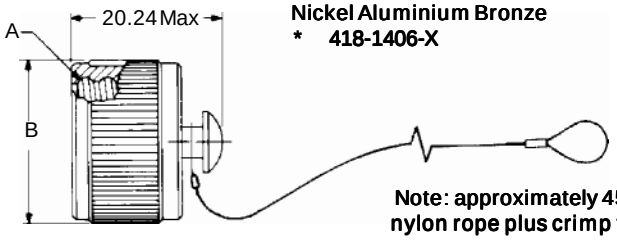


*10-553310-XXX





* BSA6172- ... 127mm wire rope



Note: approximately 450mm of nylon rope plus crimp ferrule is supplied with each 418-1406 cap

*To complete order number, add shell size and suffix number.
For example, shell size 11 with olive drab cadmium nickel base, 10-552943-119.

Plating Finish on Aluminium	10-No. Suffix	MIL Spec Suffix
Olive Drab, Cadmium, nickel base	-XX9	W
Electroless nickel	-XXG	F

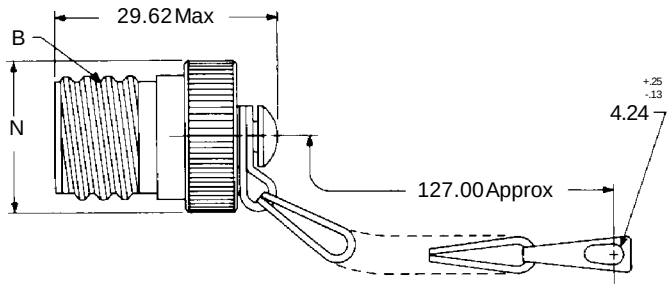
Shell Size	MS Shell Size Code	A Thread Class 2a 0.1P-0.3L-TS	B Dia -.00	D Dia +.25 -.00
9	A	.6250	22.23	17.86
11	B	.7500	25.40	21.44
13	C	.8750	28.58	25.81
15	D	1.0000	31.75	28.98
17	E	1.1875	36.53	32.16
19	F	1.2500	38.10	35.33
21	G	1.3750	41.28	38.51
23	H	1.5000	44.45	41.68
25	J	1.6250	47.63	44.86

All dimensions for reference only

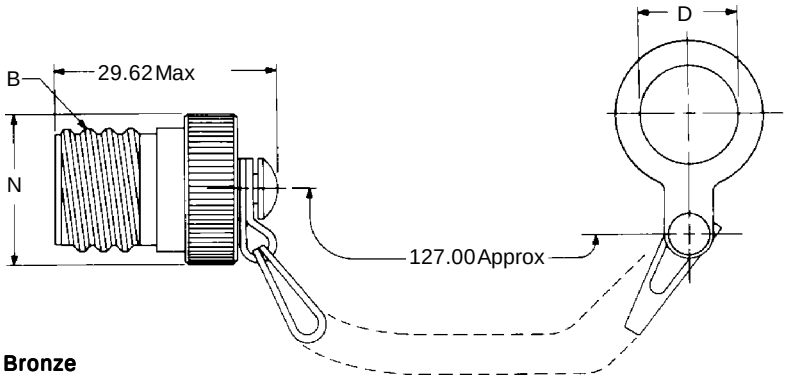
Tri-Start - Accessories BS-A6173 D38999/32

Plug protection cap

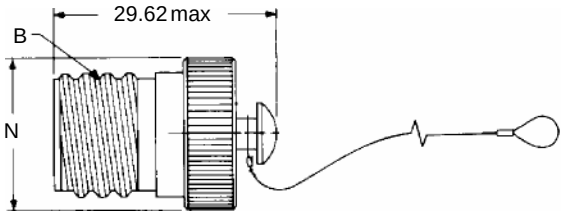
* 10-552944-XXX
* BS9520G0003A6173-...
* D38999/32X-XXR



* 10-553998-XX
* D38999/32X-XXN



Nickel Aluminium Bronze
* 418-1405-XX



Note: Approximately 450mm of Nylon rope, plus crimp ferrule is supplied with each 418-1405 cap.

* To complete order number, add shell size and suffix number. For example, shell size 11 with olive drab cadmium nickel base, 10-552944-119.

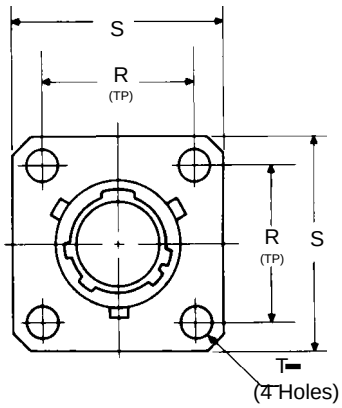
Plating Finish on Aluminium	10-No. Suffix	MIL Spec Suffix
Olive Drab, Cadmium, nickel base	-XX9	W
Electroless nickel	-XXG	F

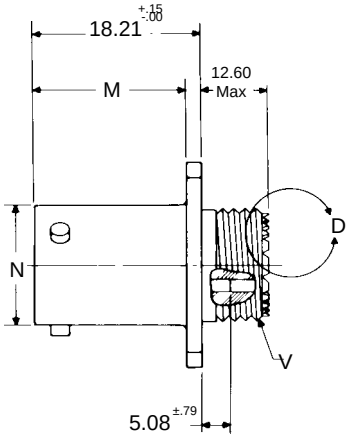
Shell Size	MS Shell Size Code	B Thread Class 2a 0.1P-0.3L-TS	D +.25 -.00	N Dia Max
9	A	.6250	13.11	22.73
11	B	.7500	16.28	25.40
13	C	.8750	19.46	29.74
15	D	1.0000	22.63	32.99
17	E	1.1875	25.81	36.47
19	F	1.2500	28.98	39.19
21	G	1.3750	32.16	42.42
23	H	1.5000	34.11	45.39
25	J	1.6250	38.51	48.62

All dimensions for reference only

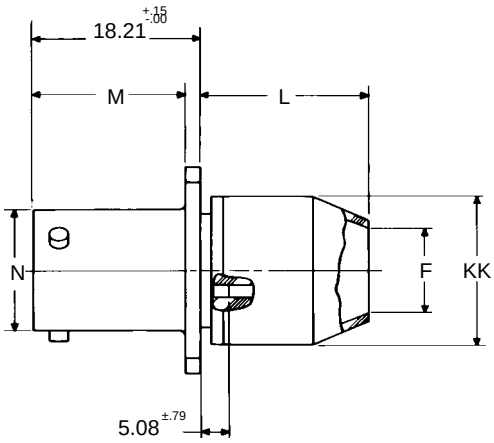
LJT00R BS-C6160 MS27466 HE308-00T

Wall mounting receptacle

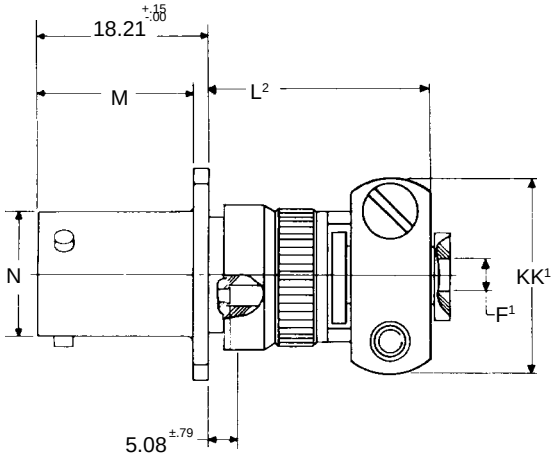




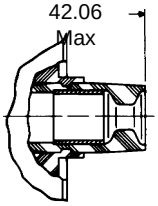
* **LJT00RT-...**
* **MS27466T...**
* **BS-9520-G0001-C6160...**



* **LJT00RP-...**
* **MS27466P...**



* **LJT00RE-... (SR)**



View D enlarged for coaxial use only

* To complete order number, see "how to order" pages

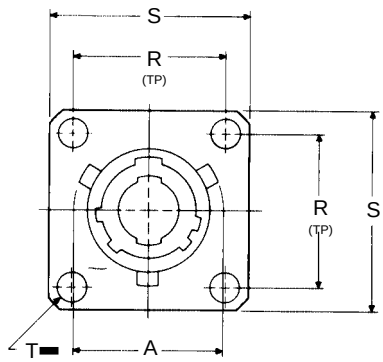
.13 Dia Ⓜ

Shell Size	M +.00 -.13	V Thread Class 2A (Plated)	N +.03 -.13	S +.41	R (TP)	T Dia +.13	F Dia	KK Dia Max	L Max	KK[1] Max	F[1] Dia +.25
9	16.05	.4375-28UNEF	14.53	23.83	18.26	3.25	8.31	15.44	20.65	20.62	3.18
11	16.05	.5625-24UNEF	17.78	26.19	20.62	3.25	11.28	18.64	20.65	22.23	4.78
13	16.05	.6875-24UNEF	21.59	28.58	23.01	3.25	14.17	21.74	20.65	25.40	7.92
15	16.05	.8125-20UNEF	24.77	30.96	24.61	3.25	17.35	24.99	20.65	28.58	9.53
17	16.05	.9375-20UNEF	27.94	33.32	26.97	3.25	20.52	28.19	20.65	30.18	12.70
19	16.05	1.0625-18UNEF	30.66	36.53	29.36	3.25	23.09	31.34	20.65	36.53	15.88
21	15.29	1.1875-18UNEF	33.83	39.67	31.75	3.25	26.26	34.54	23.01	36.53	15.88
23	15.29	1.3125-18UNEF	37.01	42.88	34.93	3.73	29.44	37.69	23.01	41.28	19.05
25	15.29	1.4375-18UNEF	40.18	46.02	38.10	3.73	40.89	40.89	23.01	43.66	20.32

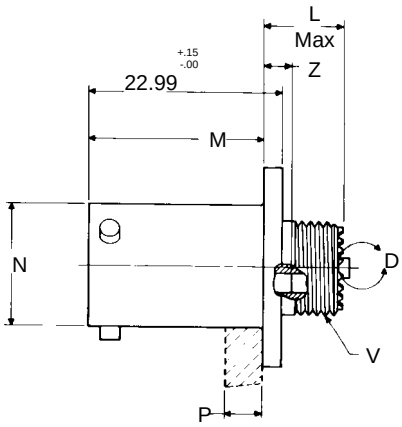
All dimensions for reference only

LJTPQ00R BS-C6163 MS27656

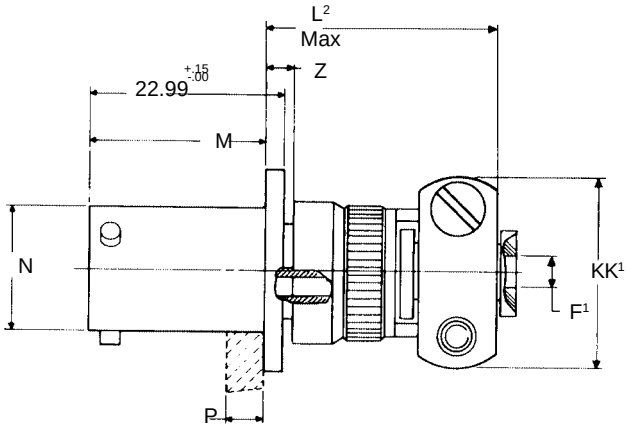
Wall mounting receptacle (back panel mounting)



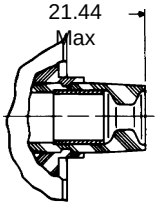
(4 Holes)



* BS-9520-G0001-C6163...
* LJTPQ00RT-...
* MS27656T...



* LJTPQ00RE-XX-XXX (SR)



View D enlarged for coaxial use only

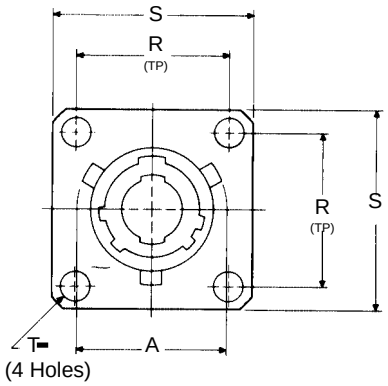
* To complete order number, see "how to order" pages

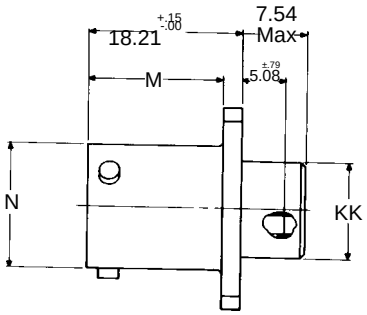
.13 Dia M

Shell Size	F Dia +.25	L Max	L¹ Max	M +.00 -.13	N Dia	P Max Panel Thickness	R (TP)	S +.28 -.25	T Dia +.13	V Thread UNEF Class 2A (Plated)	Z Max	KK Dia Max	A Dia +.00 -.41	KK¹ Max	F¹ Dia +.25 -.64
9	11.28	11.51	16.28	20.83	14.53	5.94	18.26	23.83	3.25	.4375-28	3.51	15.88	16.81	20.62	3.18
11	14.17	11.51	16.28	20.83	17.78	5.94	20.62	26.18	3.25	.5625-24	3.51	19.05	20.57	22.23	4.78
13	17.35	11.51	16.28	20.83	21.59	5.94	23.01	28.58	3.25	.6875-24	3.51	22.23	24.38	25.40	7.92
15	20.52	11.51	16.28	20.83	24.77	5.94	24.61	30.96	3.25	.8125-20	3.51	25.40	27.56	28.58	9.53
17	23.09	11.51	16.28	20.83	27.94	5.94	26.97	33.32	3.25	.9375-20	3.51	28.58	30.73	30.18	12.70
19	26.26	11.51	16.28	20.83	30.66	5.94	29.36	36.53	3.25	1.0625-18	3.51	31.05	33.45	36.53	15.88
21	29.44	12.29	17.07	20.07	33.83	5.18	31.75	39.67	3.25	1.1875-18	4.27	34.93	36.53	36.53	15.88
23	32.61	12.29	17.07	20.07	37.01	5.18	34.93	42.88	3.73	1.3125-18	4.27	38.10	39.30	41.28	19.05
25	35.79	12.29	17.07	20.07	40.18	5.18	38.10	46.02	3.73	1.4375-18	4.27	41.28	42.98	43.66	20.32

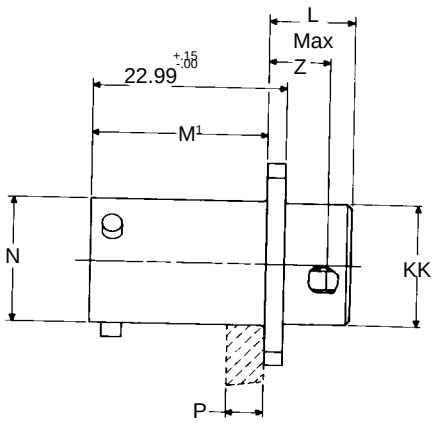
All dimensions for reference only

LJT02R BS-C6162 MS27496
Box mounting receptacle
LJTP02R BS-C6164 MS27505
Box mounting receptacle (back panel mounting)

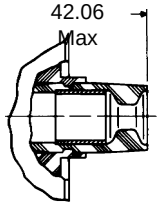




* **LJT02RE-...**
* **BS-9520-G0001-C6162...**
* **MS27496E...**



* **LJTP02RE-...**
* **BS-9520-G0001-C6164...**
* **MS27505E...**



View D enlarged for coaxial use only

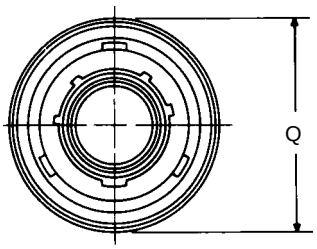
* To complete order number, see "how to order" pages

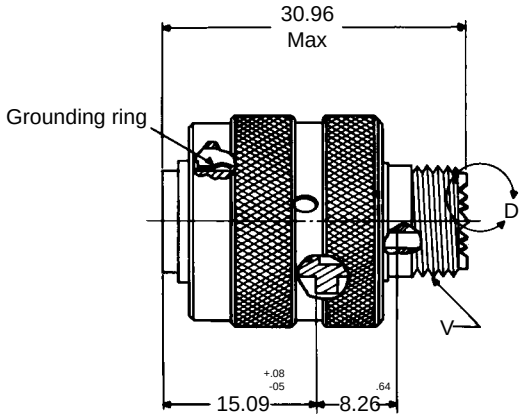
.13 Dia M

Shell Size	L Max	M +.00 -.13	M1 +.00 -.13	N Dia +.03 -.13	P Max Panel Thickness	R (TP)	S +.28 -.25	T Dia ±.13	Z ±.79	KK Dia +.15 -.13	A Dia +.00 -.41
9	5.16	16.05	20.83	14.53	5.94	18.26	23.33	3.25	2.72	11.00	16.81
11	5.16	16.05	20.83	17.78	5.94	20.62	26.19	3.25	2.72	14.15	20.57
13	5.16	16.05	20.83	21.59	5.94	23.01	28.58	3.25	2.72	17.17	24.38
15	5.16	16.05	20.83	24.77	5.94	24.61	30.96	3.25	2.72	20.35	27.56
17	5.16	16.05	20.83	27.94	5.94	26.87	33.32	3.25	2.72	23.52	30.73
19	5.16	16.05	20.83	30.66	5.94	29.36	36.53	3.25	2.72	26.21	33.45
21	5.94	15.29	20.07	33.93	5.18	31.75	39.67	3.25	3.48	29.39	36.63
23	5.94	15.29	20.07	37.01	5.18	34.93	42.88	3.73	3.48	32.56	39.80
25	5.94	15.29	20.07	40.18	4.90	38.10	46.02	3.73	3.48	35.74	42.98

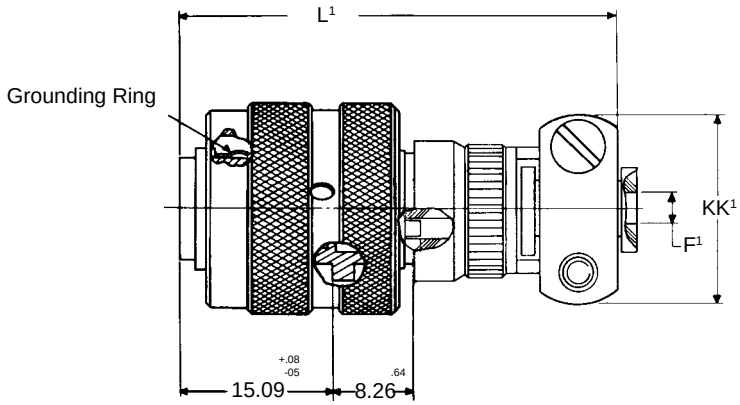
All Dimensions for reference only

LJT06R BS-C6166 MS27467 HE308-06T
Straight plug

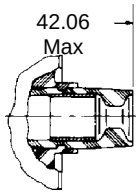




* **LJT06RE-XX-XXX**
* **MS27467E**
* **LJT06RT-XX-XXX**
* **MS27467T**
* **HE308-06T-XX-XXXT**
BS9520-G0001-C6165-XX-XXXX



* **LJT06RE-XX-XXX (SR)**



View D enlarged for coaxial use only

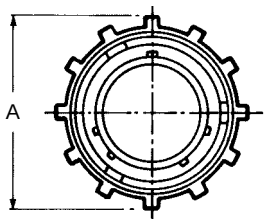
* To complete order number, see "how to order" page

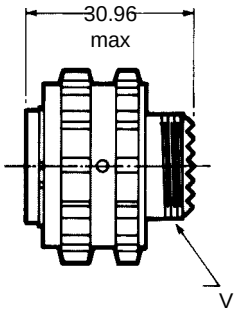
Shell SIze	L Max	L^1 Max	V Thread Class 2a (Plated)	Q Max	F Dia	KK Dia Max	KK^1 max	F^1 Dia +.010 -.025
9	38.89	48.00	.4375-28UNEF	21.44	8.31	15.44	20.62	3.18
11	38.89	48.00	.5625-24UNEF	24.61	11.28	18.64	22.23	4.78
13	38.89	48.00	.6875-24UNEF	28.98	14.17	21.79	25.40	7.92
15	38.89	54.35	.8125-20UNEF	32.16	17.35	24.99	28.58	9.53
17	38.89	54.35	.9375-20UNEF	35.33	20.52	28.19	30.18	12.70
19	38.89	54.35	1.0625-18UNEF	38.10	23.09	31.34	36.53	15.88
21	41.28	54.35	1.1875-18UNEF	41.28	26.26	34.54	36.53	15.88
23	41.28	57.54	1.3125-18UNEF	44.45	29.44	37.68	41.28	19.05
25	41.28	57.54	1.4375-18UNEF	47.63	32.61	40.89	43.66	20.32

All dimensions for reference only

LJT06R...(WXX) BS-C6165

Straight Plug (with heavy duty coupling ring)





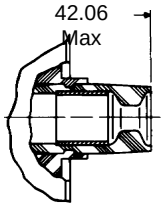
* **LJT06RT-XX-XX (WXX)**
* **BS-9520-G0001-C6165-XXXXX**

* To complete order number, see "how to order" page

All other dimension are as per standard plug

Finish	Mililtary Finish Data	Normal Finish Deviation	Heavy Duty Coupling Ring + Finish Deviation
Cadmium plated nickel base	A		W03
Olive drab cadmium plate nickel base	B	(014)	W09
Electroless nickel	F	(023)	W12

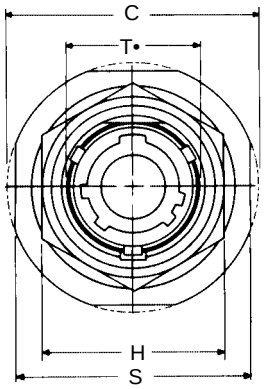
View D enlarged for #8 coaxial use only

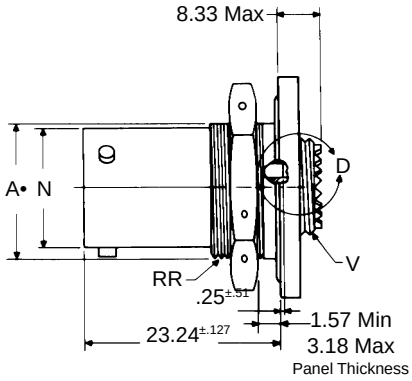


Shell Size	V Thread Class 2A (Plated)	A Max
9	.4375-28UNEF	24.87
11	.5625-24UNEF	29.01
13	.6875-24UNEF	32.18
15	.8125-20UNEF	35.58
17	.9375-20UNEF	38.23
19	1.0625-18UNEF	41.94
21	1.1875-18UNEF	45.11
23	1.3125-18UNEF	48.18
25	1.4375-18UNEF	49.73

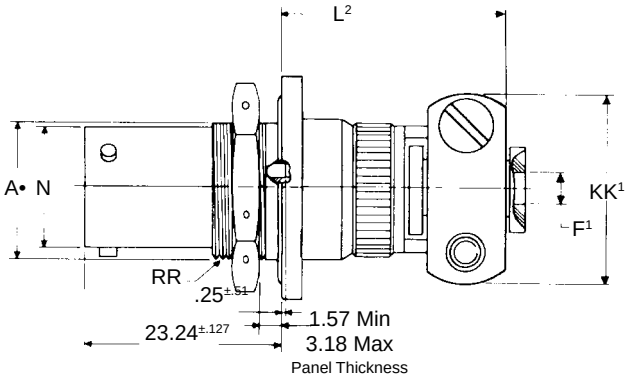
LJT07R BS-C6167 MS27468 HE308-07T

Jam nut receptacle

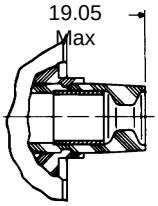




* **LJT07RT-...**
* **BS-9520-G0001-C6167...**
* **HE308-07T...**
* **MS 27468T...**



* **LJT07RE-XX-XXX (SR)**

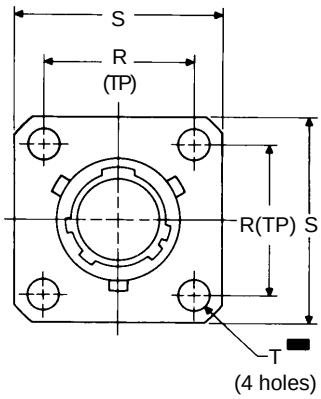


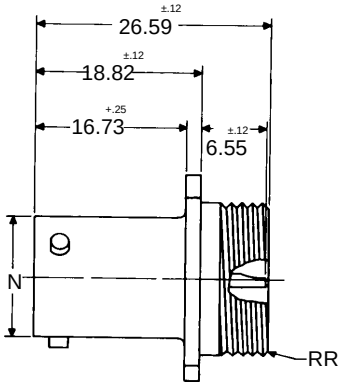
View D enlarged for coaxial use only

• "D" shaped mounting hole dimensions
* To complete order number, see "how to order" page

Shell Size	RR Thread Class 2A (Plated)	N +.03 -.13	A• +.00 -.25	T• +.25 -.00	C Max	H Hex +.43 -.41	S ±.41	V Thread Class 2A (Plated)	KK Dia Max	F Dia	L Max	KK¹ Max	F¹ Dia +.25 -.64
9	.6875-24UNEF	14.53	16.99	17.70	30.45	22.23	26.97	.4375-28UNEF	15.44	8.31	15.88	20.62	3.18
11	.8125-20UNEF	17.78	19.53	20.88	35.20	25.40	31.75	.5625-24UNEF	18.64	11.28	15.88	22.23	4.78
13	1.0000-20UNEF	21.59	24.26	25.38	33.38	30.18	34.93	.6875-24UNEF	21.79	14.17	15.88	25.40	7.92
15	1.1250-18UNEF	24.77	27.53	28.80	41.55	33.32	38.10	.8125-20UNEF	24.99	17.35	15.88	28.38	9.53
17	1.2500-18UNEF	27.94	30.68	31.93	44.73	36.53	41.28	.9375-20UNEF	28.19	20.52	15.88	30.18	12.70
19	1.3750-18UNEF	30.66	33.86	35.15	49.50	39.67	46.02	1.0625-18UNEF	31.34	23.09	15.88	36.53	15.88
21	1.5000-18UNEF	33.83	37.06	38.28	52.65	42.88	49.23	1.1875-18UNEF	34.54	26.26	19.05	36.53	15.88
23	1.6250-18UNEF	37.01	40.13	41.50	55.35	46.02	52.37	1.3125-18UNEF	37.69	29.44	19.05	41.28	19.05
25	1.7500-18UNS	40.18	43.41	44.68	59.00	50.30	55.58	1.4375-18UNEF	40.39	32.61	19.05	43.66	20.32

LJT00 MS27469 - hermetic
Wall mounting receptacle





* **LJT00H-XX-XXX**
** **LJT00Y-XX-XXX**
** **MS27469YXXDXXXX**
*** **LJTS00Y-XX-XXX**
*** **MS27469YXXEXXXX**

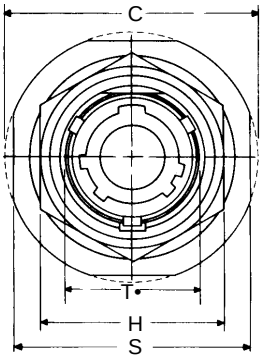
* To complete order number, see "how to order" page
** Interfacial seal wafer, to complete order number, see "how to order" page
*** High temperature version, interfacial seal wafer with stainless steel shell, to complete order number see "how to order" page

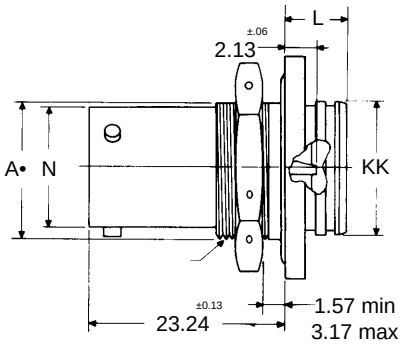
▬ ⌖ .13 Dia Ⓜ

Shell Size	N Dia +.02 -.12	R (TP)	S ±0.40	RR Thread Class 2A	T Dia ±0.12
9	14.52	18.26	23.82	.6875-24UNEF	3.25
11	17.78	20.62	26.18	.8125-20UNEF	3.25
13	21.59	23.01	28.57	.9375-20UNEF	3.25
15	24.76	24.61	30.96	1.0625-18UNEF	3.25
17	27.94	26.97	33.82	1.1875-18UNEF	3.25
19	30.65	29.36	36.52	1.3125-18UNEF	3.25
21	33.83	31.75	39.67	1.4375-18UNEF	3.25
23	37.00	34.92	42.87	1.5625-18UNEF	3.73
25	40.18	38.10	46.02	1.6875-18UNEF	3.78

All dimensions for reference only

LJT07 MS27470 - hermetic
Jam nut receptacle





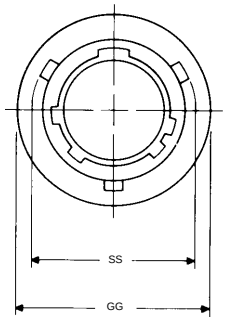
* **LJT07H-XX-XXX**
** **LJT07Y-XX-XXX**
** **MS27470YXXDXXXX**
*** **LJTS07Y-XX-XXX**
*** **MS27470YXXEXXXX**

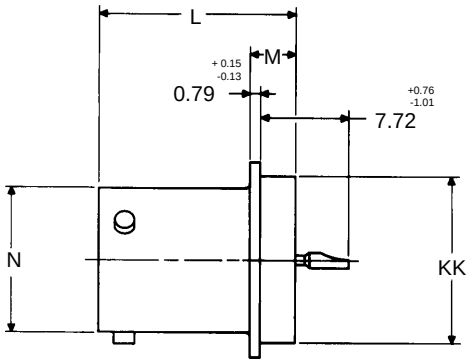
• "D" shaped mounting hole dimensions
* To complete order number, see "how to order" page
** Interfacial seal wafer, to complete order number, see "how to order" page
*** High temperature version, interfacial seal wafer with stainless steel shell, to complete order number see "how to order" page

.13 Dia M

Shell Size	L Max	KK +0.27 -.00	RR Thread Class 2A (Plated)	N +.00 -.13	A• +.00 -.02	T• +.02 -.00	C Max	H Hex +0.43 -0.41	S ±0.41
9	7.54	16.30	.6875-24UNEF	14.52	16.55	17.70	30.45	22.22	26.97
11	7.54	19.45	.8125-20UNEF	17.78	19.57	20.87	35.20	25.40	31.75
13	7.54	22.65	1.0000-20UNEF	21.59	24.25	25.57	38.79	30.17	34.92
15	7.54	25.85	1.1250-18UNEF	24.76	27.53	28.80	41.55	33.32	38.10
17	7.54	29.01	1.2500-18UNEF	27.94	30.68	31.97	44.72	36.52	41.27
19	8.33	32.20	1.3750-18UNEF	30.65	33.85	35.15	49.50	39.67	46.02
21	8.33	35.35	1.5000-18UNEF	33.83	37.05	38.27	52.65	42.87	49.22
23	8.33	38.55	1.6250-18UNEF	37.01	40.13	41.50	55.85	46.02	32.37
25	8.32	41.70	1.7500-18UNS	40.18	43.40	44.67	25.40	50.80	55.57

LJT1Y MS27471 - hermetic
Solder mounting receptacle





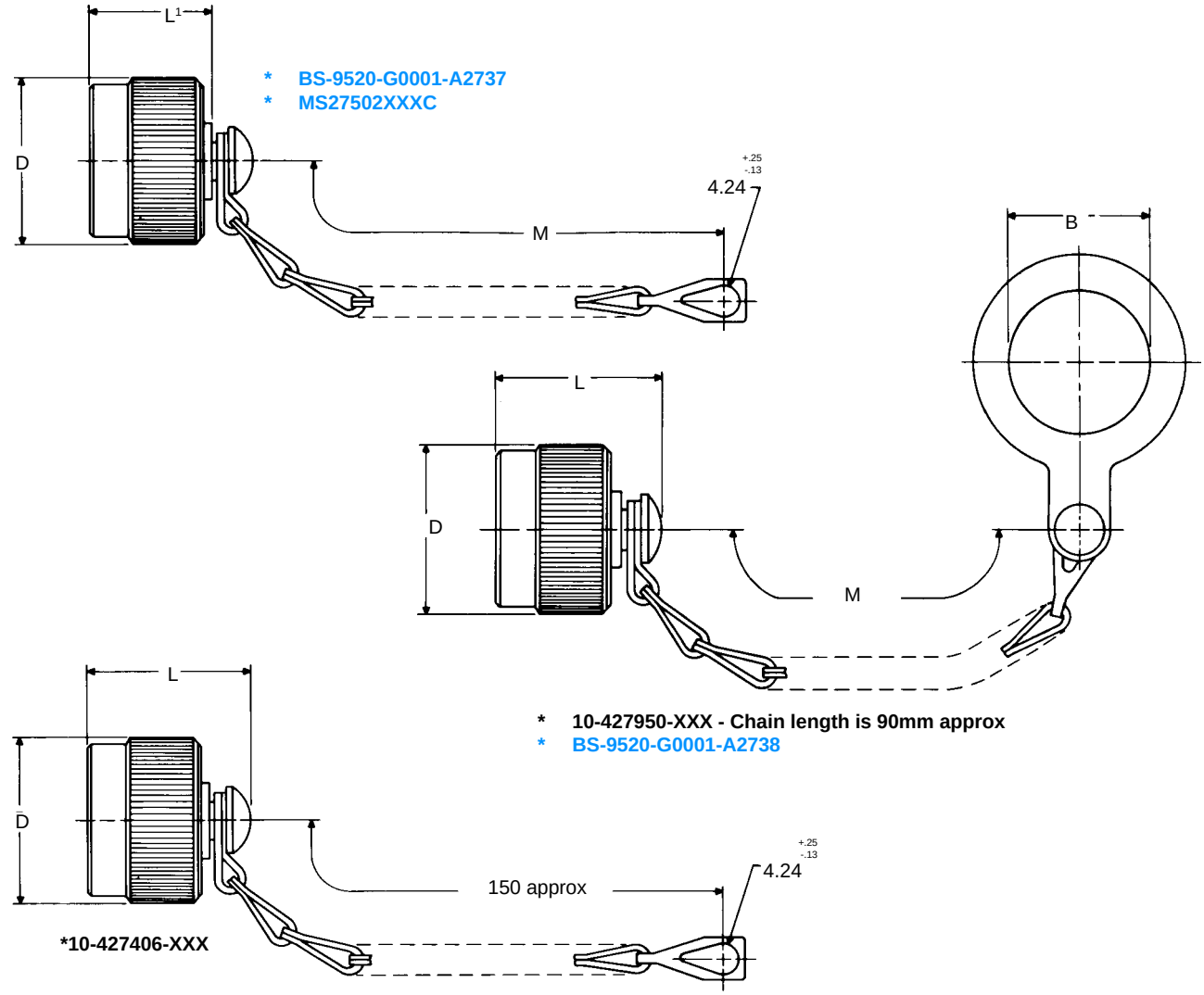
***** **LJT1H-...**
****** **LJT1Y-...**
****** **MS27470YXXD**
******* **LJTS1Y-...**
******* **MS27470YXXE**

* To complete order number, see "how to order" page
** Interfacial seal wafer, to complete order number, see "how to order" page
*** High temperature version, interfacial seal wafer with stainless steel shell, to complete order number see "how to order" page

Shell Size	N Dia +.02 -0.13	SS Dia +.00 0.40	L +0.28 -.00	M +.15 -.13	GG Dia +0.28 -0.25	KK Dia +0.02 -.13
9	14.53	16.81	20.04	3.17	19.05	17.07
11	14.78	20.57	20.04	3.17	21.36	19.84
13	21.59	24.38	20.04	3.17	24.61	25.01
15	24.76	28.16	20.04	3.17	24.79	26.19
17	27.94	30.73	20.04	3.17	30.94	29.36
19	30.66	33.45	20.04	3.17	33.32	31.75
21	33.83	36.63	20. 04	3.17	36.52	34.92
23	37.01	39.80	20.85	3.96	39.70	38.10
25	40.18	42.97	20.85	3.96	42.87	41.27

All dimensions for reference only

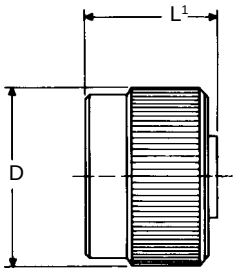
LJT BS-A2737 MS27502
Receptacle protection cap



* BS-9520-G0001-A2737
* MS27502XXXC

* **10-427950-XXX - Chain length is 90mm approx**
* BS-9520-G0001-A2738

***10-427406-XXX**



* **10-275197-XXX**
* MS27502

* To complete order number, add shell size and suffix number. For example, shell size 11 with cadmium plate, nickel base, 10-427406-117, MS27502A11C

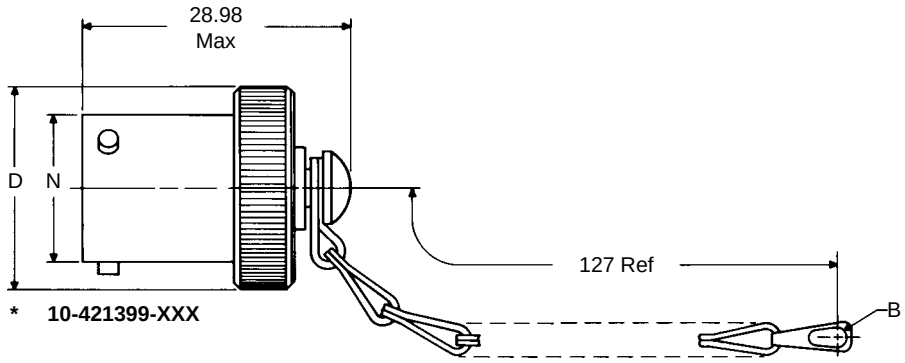
Nylon cord & insulated wire rope caps are available on request

Shell Size	B Dia +.25 -.00	D Dia Max	L Max	L^1 Max	M ±6.00
9	17.86	21.44	27.18	21.44	76
11	21.44	24.61	27.18	21.44	76
13	25.81	28.58	27.18	21.44	89
15	28.98	31.75	27.18	21.44	89
17	32.16	35.71	27.18	21.44	89
19	35.53	38.10	27.18	21.44	89
21	38.51	41.28	27.18	21.44	102
23	41.68	44.45	27.18	21.44	102
25	44.86	47.63	27.66	22.23	102

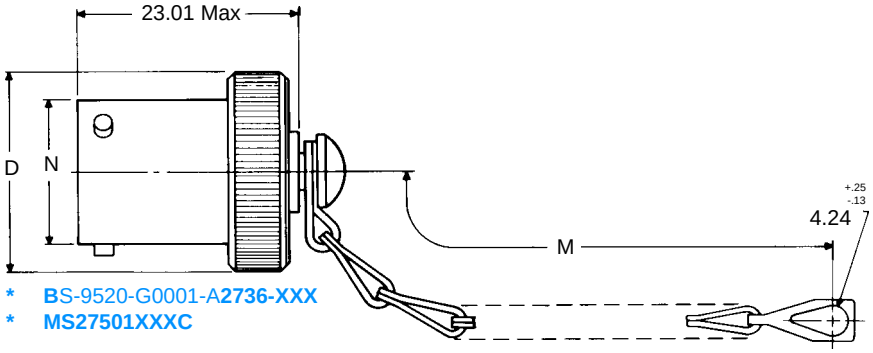
All dimensions for reference only

Finish	10-No. Suffix	MS No. Suffix With Chain	MS No. Suffix Without Chain
Chromate treat	-XX0		
Anodic coating	-XX5	CXXC	
Cadmium plate nickel base	-XX7	AXXC	AXX
Olive Drab, Cadmium, nickel base	-XX9	BXXC	BXX
Electroless nickel	-XXG	FXXC	FXX

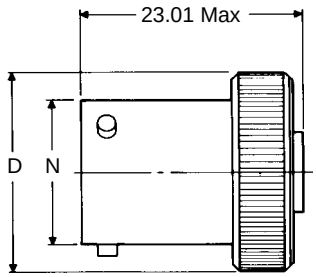
LJT BS-A2736 MS27501
Plug protection cap



* **10-421399-XXX**



* **BS-9520-G0001-A2736-XXX**
* **MS27501XXXC**



* **10-275196-XXX**
* **MS27501**

Nylon cord & wire rope caps are available on request

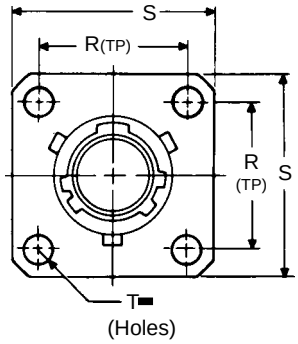
* To complete order number, add shell size and suffix number.
For example, shell size 11 with cadmium plate, nickel base, 10-421399-117, MS27501A11C or MS20048A11

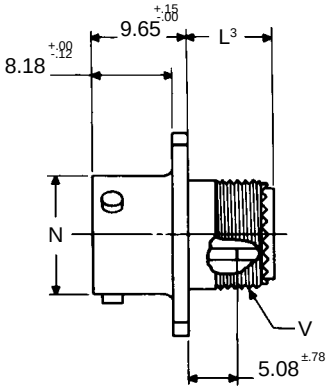
Shell Size	B Dia Ref.	D Dia Max.	M ±6.35	N Dia +.03 -.13
9	4.57	20.62	76.00	14.53
11	4.57	23.83	76.00	17.78
13	4.57	26.97	89.00	21.59
15	4.57	30.18	89.00	24.77
17	4.57	33.32	89.00	27.94
19	5.31	36.53	89.00	30.66
21	5.31	39.67	102.00	33.83
23	5.31	42.88	102.00	37.01
25	5.31	46.02	102.00	40.18

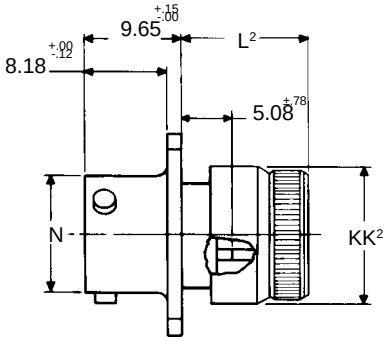
Finish	10-No. Suffix	MS No. Suffix With Chain	MS No. Suffix Without Chain
Chromate treat	-XX0		
Anodic coating	-XX5	CXXC	
Cadmium plate nickel base	-XX7	AXXC	AXX
Olive Drab, Cadmium, nickel base	-XX9	BXXC	BXX
Electroless nickel	-XXG	FXXC	FXX

JT00R BS-C2022 MS27472

Wall mounting receptacle

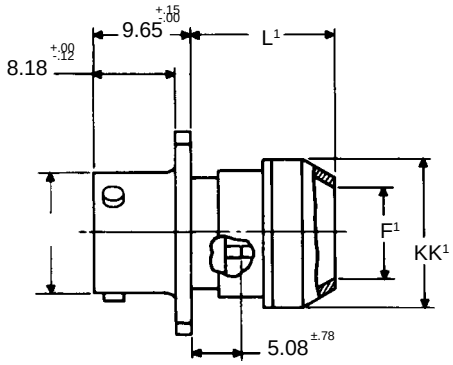


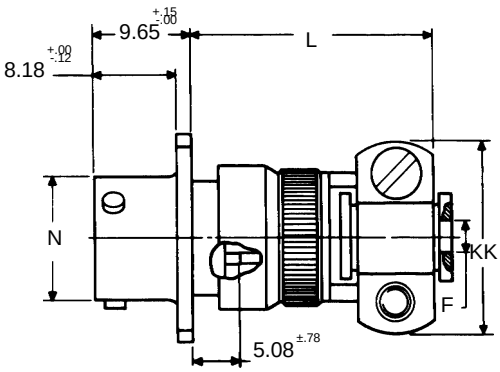




* **JT00RT-XX-XXX**
** **JTS00RT-XX-XXX**
*** **JTN00RT-XX-XXX**
* **C2022**
* **MS27472T**

* **JT00RE-XX-XXX**
* **MS27472E**
** **JTS00RE-XX-XXX**
** **MS27479E**
*** **JTN00RE-XX-XXX**





* **JT00RP-XX-XXX**
** **JTS00RP-XX-XXX**
*** **JTN00RP-XX-XXX**
* **MS27472P**
* **MS27479P**

* **JT00RE-XX-XXX (SR)**
** **JTS00RE-XX-XXX (SR)**
*** **JTN00RE-XX-XXX (SR)**

* To complete order number, see "How to order" pages
** High temperature version.
*** Clear iridite finish (gold colour), N_2O_4 resistant

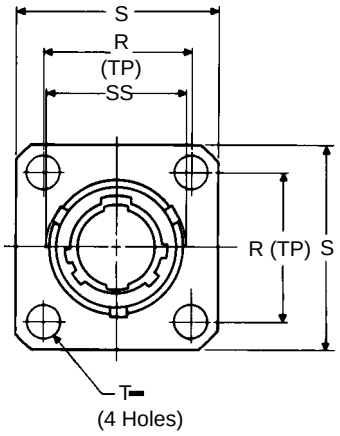
⌖ 1.27 Dia Ⓜ

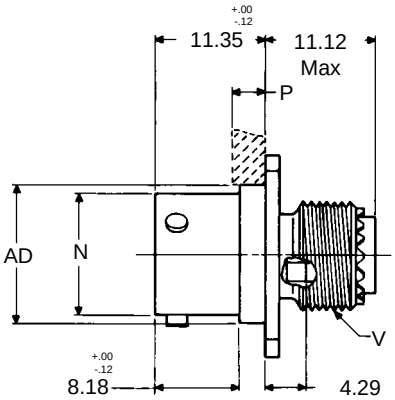
Shell Size	KK Max	KK¹ Dia Max	KK² Dia Max	F Dia +.25 -.63	F¹ Dia	L Max	L¹ Max	L² Max	L³ Max	R (TP)	S ±.41	T ±.13	N +.02 -.13	V Thread UNEF Class 2A
8	20.62	15.89	14.68	3.18	11.28	27.79	15.47	13.89	12.70	15.09	20.62	3.05	12.01	.4375-28
10	22.23	19.05	17.86	4.78	14.17	27.79	15.47	13.89	12.70	18.26	23.83	3.05	14.99	.5625-24
12	25.40	22.23	21.03	7.92	17.35	27.79	15.47	13.89	12.70	20.62	26.89	3.05	19.05	.6875-24
14	28.58	25.40	24.81	9.53	20.52	34.14	15.47	13.89	12.70	23.01	28.58	3.05	22.23	.8125-20
16	30.18	28.58	27.38	12.70	23.09	34.14	15.47	13.89	12.70	24.61	30.96	3.05	25.40	.9375-20
18	36.53	31.75	30.56	15.88	26.26	34.14	15.47	13.89	12.70	26.97	33.32	3.05	28.58	1.0625-18
20	36.53	34.93	33.73	15.88	29.44	34.14	15.47	13.89	12.70	29.36	36.53	3.05	31.75	1.1875-18
22	41.28	38.60	36.91	19.05	32.61	37.31	15.47	13.89	12.70	31.75	39.67	3.05	34.73	1.3125-18
24	43.66	41.28	40.08	20.32	35.79	37.31	17.48	13.89	12.70	34.93	42.88	3.05	38.10	1.4375-18

All dimensions for reference only

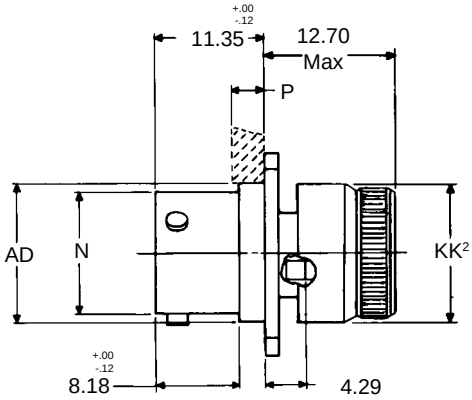
JTPQ00R BS-C2023 MS27497 HE309 03T PAN 6432-1B

Wall mounting receptacle (back panel mounting)

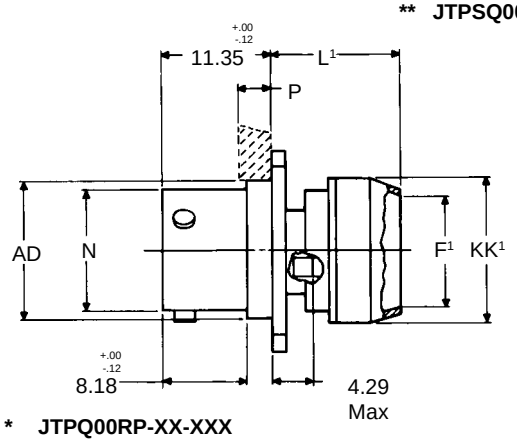




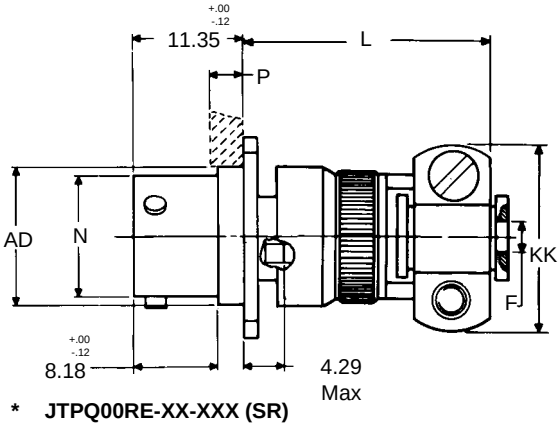
* **JTPQ00RT-XX-XXX**
* **BS-9520-G0002-C2023-XXX**
* **MS27497T-XX-XXX**
* **HE309 03T-XXXX**
* **PAN6432-1B-XX-XXX**
** **JTPSQ00RT-XX-XXX**



* **JTPQ00RE-XX-XXX**



* **JTPQ00RP-XX-XXX**
* **MS27597P**



* **JTPQ00RE-XX-XXX (SR)**

* To complete order number see "How to order" pages
** High temperature version, to complete order number see "How to order" pages

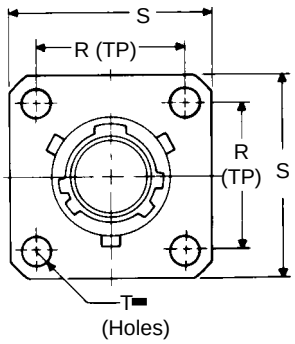
1.27 Dia M

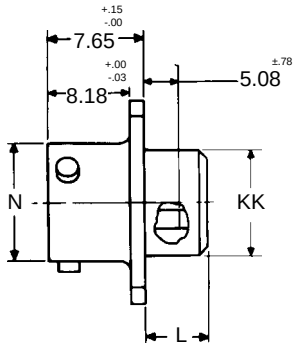
Shell Size	F Dia +.25 -.64	F¹ Dia ±.25	L Max	L¹ Max	N DIa +.03 -.13	P Max Panel Thickness	R (TP)	S ±.41	T Dia ±.13	V Thread UNEF Class 2a (Plated)	AD Dia ±..13	KK Max	KK¹ Dia Max	KK² Dia Max	SS Dia +.00 -.41
8	3.18	11.28	28.96	11.89	12.01	3.61	15.09	20.62	3.05	.4375-28	13.11	19.84	15.88	14.68	14.30
10	4.78	14.17	28.96	11.89	14.98	3.61	18.26	23.83	3.05	.5625-24	16.08	21.44	19.05	17.86	17.27
12	7.92	17.35	28.96	11.89	19.05	3.61	20.62	26.19	3.05	.6875-24	20.37	24.61	22.23	21.03	21.82
14	9.53	20.52	34.93	11.89	22.23	3.61	23.01	28.58	3.05	.8125-20	23.55	27.79	25.40	24.21	24.99
16	12.70	23.09	34.93	11.89	25.40	3.61	24.61	30.96	3.05	.9375-20	26.72	29.31	28.58	27.38	28.14
18	15.88	26.26	34.93	11.89	28.58	3.61	26.97	33.32	3.05	1.0625-18	29.90	35.71	31.75	30.56	31.32
20	15.88	29.44	34.93	11.89	31.75	3.61	29.36	36.53	3.05	1.1875-18	33.07	35.71	34.93	33.73	34.49
22	19.05	32.61	38.51	11.89	34.93	3.61	31.75	39.67	3.05	1.3125-18	36.25	40.49	38.10	36.91	37.67
24	20.32	35.79	38.10	13.72	38.10	3.61	34.93	42.88	3.73	1.4375-18	39.42	42.88	41.28	40.08	40.89

All dimensions for reference only

JT02R BS-C2251 MS27499

Box mounting receptacle





***** **JT02RE-...**
***** **BS-9520-G0002-C2251-...**
***** **MS27499E-...**
****** **JTS02RE-...**
******* **JTN02RE-...**

* To complete order number, see "How to order" pages
** High temperature version
*** Clear iridite finish (gold colour), N_2O_4 resistant

1.27 Dia Ⓜ

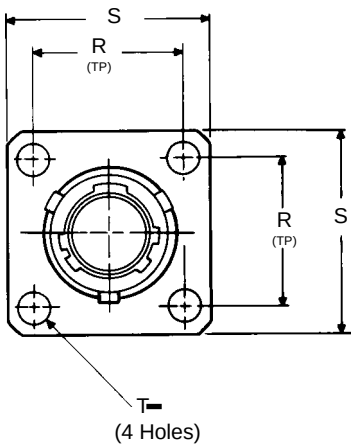
Shell Size	L Max	KK Max	S ±.41	R (TP)	T ±.13	N +.03 -.13
8	7.26	11.13	20.62	15.09	3.05	12.01
10	7.26	14.30	23.83	18.26	3.05	14.99
12	7.26	17.48	26.19	20.62	3.05	19.05
14	7.26	20.65	28.58	23.01	3.05	22.23
16	7.26	23.83	30.96	24.61	3.05	25.40
18	7.26	26.59	33.32	26.97	3.05	28.58
20	7.26	29.77	36.53	29.36	3.05	31.75
22	7.26	32.94	39.67	31.75	3.05	34.93
24	7.26	36.11	42.88	34.93	3.73	38.10

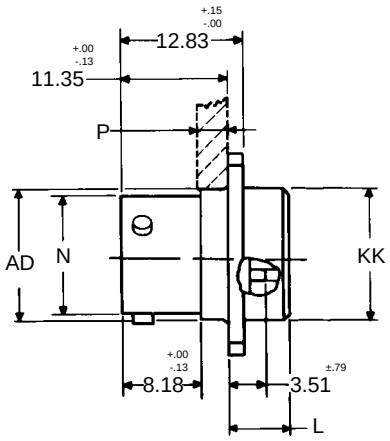
All dimensions for reference only

Note: For applications requiring an envirionmental seal, please refer to JT00R

JTP02R BS-C2253 MS27508E PAN 6433-1E

Box mounting receptacle (back panel mounting)





* **JTP02RE-XX-XXX**
* **BS-9520-G0002-C2253-...**
* **MS27508E-...**
* **PAN 6433-1E-...**
** **JTPN02RE-XX-XX**
*** **JTPS02RE-XX-XXX**

* To complete order number, see "How to order" pages
** High temperature version.
*** Clear iridite finish (gold colour), N_2O_4 resistant

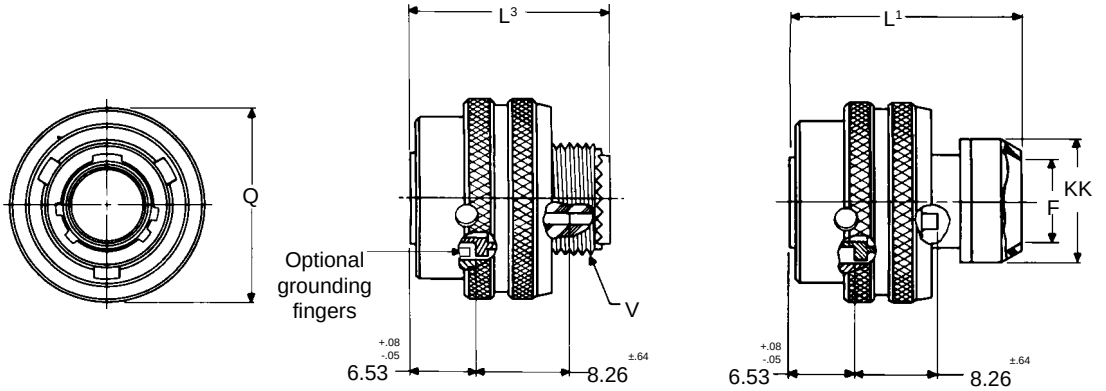
1.27 Dia M

Shell Size	N Dia +.03 -.13	R (TP)	S ±.41	L Max	AD Dia ±.13	T Dia ±.13	P Max Panel Thcikness	KK Max
8	12.01	15.09	20.62	5.72	13.11	3.05	3.73	13.49
10	15.00	18.26	23.83	5.72	16.08	3.05	3.86	16.66
12	19.05	20.62	26.19	5.72	20.37	3.05	3.86	21.03
14	22.23	23.01	28.58	5.72	23.55	3.05	3.86	24.21
16	25.40	24.61	30.96	5.72	26.72	3.05	3.86	27.89
18	28.58	26.97	33.32	5.72	29.90	3.05	3.86	30.56
20	31.75	29.36	36.53	5.72	33.07	3.05	4.55	33.73
22	34.93	31.75	39.67	5.72	36.25	3.05	4.55	36.91
24	38.10	34.93	42.88	5.72	39.42	3.73	4.29	40.08

All dimensions for reference only

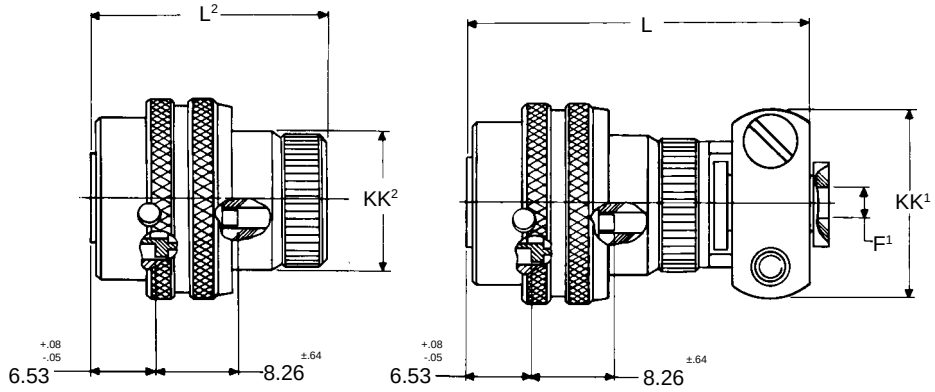
JT06R BS-C2020 MS27473 HE309 06T PAN 6433-IF
Ungrounded

JTG06R BS-C2021 MS27484 HE309 G06T PAN 6433-IFG
Grounded straight plug



* JT06RT-...
* JTG06RT-...
** JTS06RT-...
*** JTN06RT-...
* MS27473T-...
* HE309 06T-...
* BS-9520-G0002-C2020 - Ungrounded-...
* MS27484T-...
* HE309 G06T-...
* BS-9520-G0002-C2021 - Grounded-...

* JT06RP-...
** JTS06RP-...
*** JTN06RP-...
* MS27473P-...



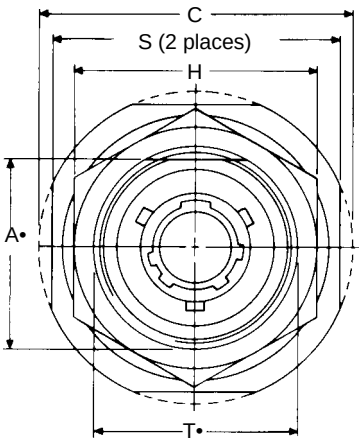
* JT06RE-...
** JTS06RE-...
*** JTN06RE-...
* MS27473E-...

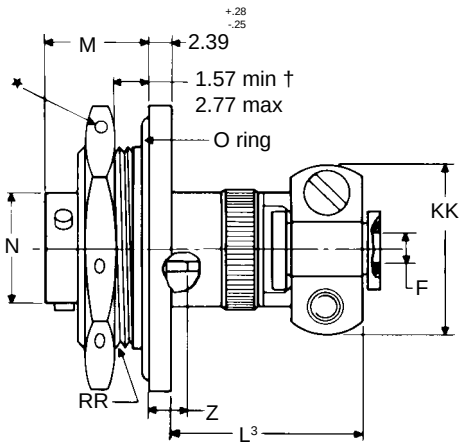
* JT06RE-...(SR)
** JTS06RE-...(SR)
*** JTN06RE-...(SR)

* To complete order number, see "How to order" pages
** High temperature version. To complete order number,see "How to order" pages
*** Clear iridite finish (gold colour), N_2O_4 resistant. To complete order number, see "How to order" pages

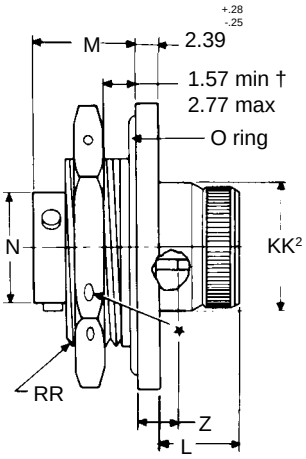
Shell Size	KK Dia Max	KK¹ Max	KK² Max	F Dia	F¹ Dia +.25 -.64	L Max	L¹ Max	L² Max	L³ Max	Q Dia Max	V Thread Modified	
											Class 2a	Modified Major Dia
8	15.88	20.62	14.68	11.28	3.18	39.67	25.40	23.83	22.63	18.64	.4375-28UNEF	.421- .417
10	19.05	22.23	17.86	14.17	4.78	39.67	25.40	23.83	22.63	21.44	.5625-24UNEF	.542- .538
12	22.23	25.40	21.03	17.35	7.92	39.67	25.40	23.83	22.63	25.81	.6875-24UNEF	.667- .663
14	25.40	28.58	24.21	20.52	9.53	46.02	25.40	23.83	22.63	28.98	.8125-20UNEF	.791- .787
16	28.58	30.18	27.38	23.09	12.70	46.02	25.40	23.83	22.63	32.13	.9375-20UNEF	.916- .912
18	31.75	36.53	30.56	26.26	15.88	46.02	25.40	23.83	22.63	35.33	1.0625-18UNEF	1.034 - 1.030
20	34.93	36.53	33.73	29.44	15.88	46.02	25.40	23.83	22.63	38.10	1.1875-18UNEF	1.158- 1.154
22	38.10	41.28	36.91	32.61	19.05	49.23	25.40	23.83	22.63	41.28	1.3125-18UNEF	1.283- 1.279
24	41.28	43.66	40.08	35.79	20.32	49.23	26.97	23.83	22.63	44.45	1.4375-18UNEF	1.408- 1.404

JT07R BS-C2024 MS27474 HE309-07T PAN 6433-1A
Jam nut receptacle

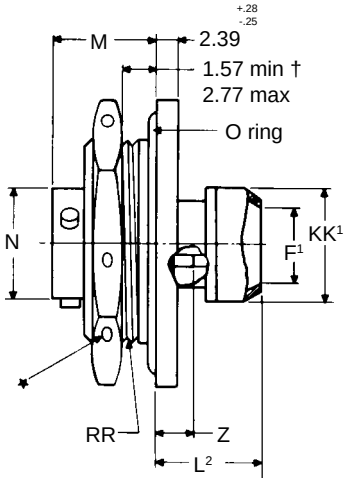




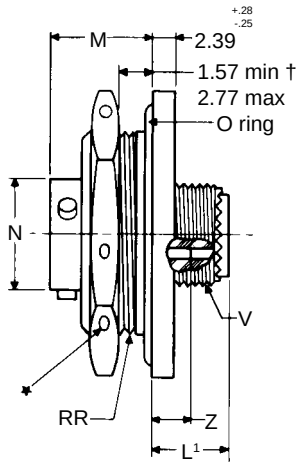
* JT07RE-...(SR)
** JTS07RE-...(SR)
*** JTN07RE-...(SR)



* JT07RE-...
* MS27474E-...
** JTS07RE-...
*** JTN07RE-...



* JT07RP-...
* MS27474P-...
** JTS07RP-...
*** JTN07RP-...



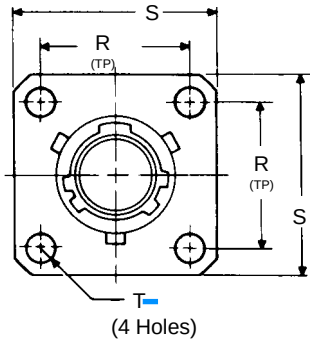
* JT07RT-...
* MS27474T-...
** JTS07RT-...
*** JTN07RT-...
*** BS-9522-G0002-C2024-...
*** HE309-07T-...
*** PAN6433-1A-...

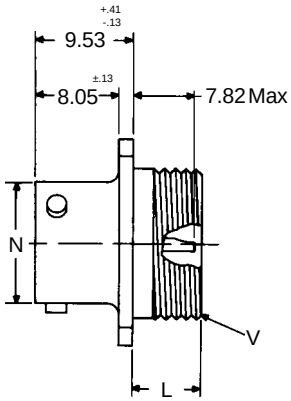
✱ 1.50 dia min. 3 locking wire holes
• "D" shaped mounting hole dimensions
* To complete order number see "How to order" pages
** High temperature version
*** Clear iridite finish (gold colour), $N_2 0_4$ resistant
† Panel thickness

Shell Size	A• +.00 -.25	KK Max	KK1 Dia Max	KK2 Dia Max	L Max	L1 Max	L2 Max	L3 Max	F Dia +.25 -.64	F1 Dia	M ±.13	H Hex +.43 -.41	S ±.41	Z ±.79	RR Thread (Plated) Class 2a	V Thread UNEF Class 2a	C Max	T• +.25 -.00	N +.03 -.13
8	21.08	20.62	15.88	14.68	12.29	11.51	14.30	26.59	3.18	11.28	11.13	26.97	31.75	3.66	.8750-20UNEF	.4375-28	35.31	22.45	12.01
10	24.26	22.23	19.05	17.86	12.29	11.51	14.30	26.59	4.78	14.17	11.13	30.18	34.93	3.66	1.0000-20UNEF	.5625-24	38.48	25.58	14.99
12	27.53	25.40	22.23	21.03	12.29	11.51	14.30	26.59	7.92	17.35	11.13	33.32	38.10	3.66	1.1250-18UNEF	.6875-24	41.66	28.80	19.05
14	30.68	28.58	25.40	24.21	12.29	11.51	14.30	32.94	9.53	20.52	11.13	36.53	41.28	3.66	1.2500-18UNEF	.8125-20	44.83	31.98	22.23
16	33.86	30.18	28.58	27.38	12.29	11.51	14.30	32.94	12.70	23.09	11.13	39.67	45.24	3.66	1.3750-18UNEF	.9375-20	49.61	35.15	25.40
18	37.06	36.53	31.75	30.56	12.29	11.51	14.30	32.94	15.88	26.26	11.13	42.88	48.01	3.66	1.5000-18UNEF	1.0625-18	51.59	38.28	28.58
20	40.03	36.53	34.93	33.73	11.51	10.72	13.49	32.16	15.88	29.44	11.79	46.02	51.21	4.78	1.6250-18UNEF	1.1875-18	54.76	41.50	31.75
22	43.21	41.28	38.10	36.91	11.51	10.72	13.49	35.33	19.05	32.61	11.79	50.80	54.36	4.78	1.7500-18UNS	1.3125-18	57.91	44.68	34.93
24	46.38	43.66	41.28	40.08	9.53	10.72	13.47	35.33	20.32	35.79	11.79	53.98	57.53	4.78	1.8750-16UN	1.4375-18	61.09	47.85	38.10

All dimensions for reference only

JT00 MS27475
Hermetic wall mounting receptacle





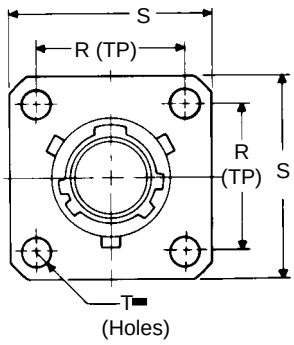
***** **JT00H-...**
****** **JT00Y-...**
****** **MS27475Y..D...**
******* **JTS00Y-XX-XXX**
****** **MS27482Y..E...**

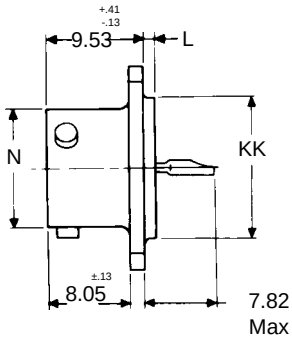
* To complete order number, see "How to order" pages
** Interfacial water seal.
*** High temperature version, interfacial water seal with stainless shell.

▬ ⌖ 1.27 Dia Ⓜ

Shell Size	N +.03 -.13	S ±.41	R (TP)	T ±.13	V Thread Size Class 2a	L Max
8	12.01	20.62	15.09	3.05	.5625-24UNEF	5.94
10	14.99	23.83	18.26	3.05	.6875-24UNEF	5.94
12	19.05	26.19	20.62	3.05	.8125-20UNEF	5.94
14	22.23	28.58	23.01	3.05	.9375-20UNEF	5.94
16	25.40	30.96	24.61	3.05	1.0625-18UNEF	5.94
18	28.58	33.32	26.97	3.05	1.1875-18UNEF	5.94
20	31.75	36.53	29.35	3.05	1.3125-18UNEF	5.94
22	34.93	39.67	31.75	3.05	1.4375-18UNEF	5.94
24	38.10	42.88	34.93	3.73	1.5625-18UNEF	7.95

JT02 MS27476
Hermetic box mounting receptacle





***** **JT02H-...**
****** **JT02Y-...**
****** **MS27476Y..D...**
******* **JTS02Y-...**
******* **MS27476Y..E...**

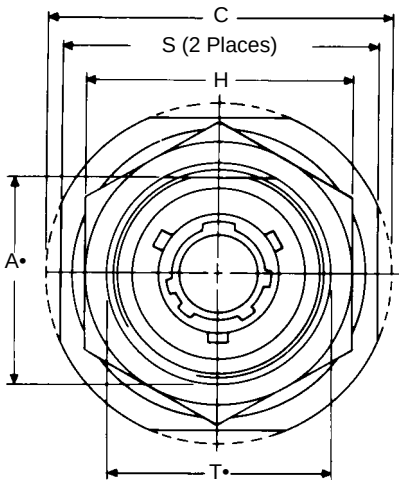
* To complete order number, see "How to order" pages
** Interfacial water seal
*** High temperature version. interfacial water seal with stainless steel shell

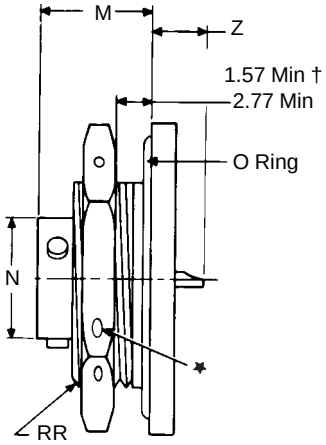
.13 Dia Ⓜ

Shell Size	L +.15 -.38	KK +.03 -.13	S ±.41	R (TP)	T ±.13	N +.03 -.13
8	1.30	14.27	20.62	15.09	3.05	12.01
10	1.30	17.07	23.83	18.26	3.05	14.99
12	1.30	19.84	26.19	20.62	3.05	19.05
14	1.30	23.01	28.58	23.01	3.05	22.23
16	1.30	26.19	30.96	24.61	3.05	25.40
18	1.30	29.36	33.32	26.97	3.05	28.58
20	1.30	31.75	36.53	29.36	3.05	31.75
22	2.03	34.93	39.67	31.75	3.05	34.93
24	2.03	38.10	42.88	34.93	3.73	38.10

All dimensions for reference only

JT07 MS27477
Hermetic jam nut receptacle





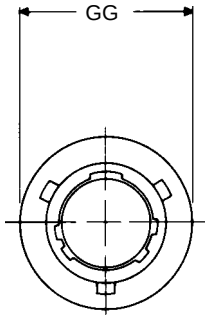
***** **JT07H-...**
******* **JT07Y-...**
MS27477Y..D...
******** **JTS07Y-...**
MS27483Y..E...

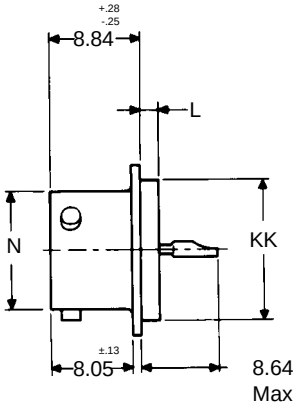
✱ .15 dia. min .3 lockwire holes
• "D" shaped mounting hole dimensions
* To complete order number, see "How to order" pages
** Interfacial seal water
*** High temperature version, interfacial seal water with stainless steel shell
† Panel thickness

Shell Size	M ±.13	Z Max	RR Thread Class 2a	N +.03 -.13	C Max	S ±.41	H +.43 -.41	T• +.25 -.00	A• +.00 -.25
8	11.13	6.20	.8750-20UNEF	12.01	35.31	31.75	26.97	22.45	21.08
10	11.13	6.20	1.0000-20UNEF	14.99	38.48	34.93	30.18	25.58	24.26
12	11.13	6.20	1.1250-18UNEF	19.05	41.66	38.10	33.32	28.80	27.53
14	11.13	6.20	1.2500-18UNEF	22.23	44.83	41.28	36.53	31.98	30.68
16	11.13	6.20	1.3750-18UNEF	25.40	49.61	45.24	39.67	35.15	33.86
18	11.13	6.20	1.5000-18UNEF	28.58	51.59	48.01	42.88	38.28	37.06
20	11.79	5.54	1.6250-18UNEF	31.75	54.76	51.21	46.02	41.50	40.03
22	11.79	5.54	1.7500-18UNS	34.93	57.91	54.36	50.80	44.68	43.21
24	11.79	5.54	1.8750-16UN	38.10	61.09	57.53	53.98	47.85	46.38

All dimensions for reference only

JTI MS27478
Hermetic solder mounting receptacle





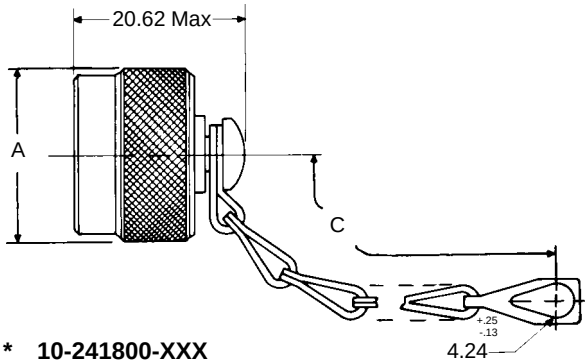
***** **JTIH-...**
****** **JTIY-...**
MS27478Y..D...
******* **JTSIY-...**
MS27503Y..E...

* To complete order number, see "How to order" pages
** Interfacial water seal
*** High temperature version. interfacial water seal with stainless steel shell

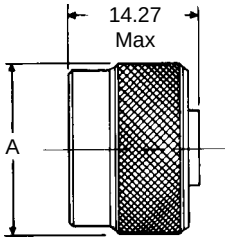
Shell Size	L +.28 -.25	KK +.03 -.13	GG +.28 -.25	N +.03 -.13
8	1.98	14.27	17.45	12.01
10	1.98	17.07	20.24	14.99
12	1.98	19.84	23.01	19.05
14	1.98	23.01	26.19	22.22
16	1.98	26.19	29.36	25.40
18	1.98	29.36	32.54	28.58
20	1.98	31.75	34.93	31.75
22	2.72	34.93	38.10	34.93
24	2.72	38.10	41.28	38.10

All dimensions for reference only

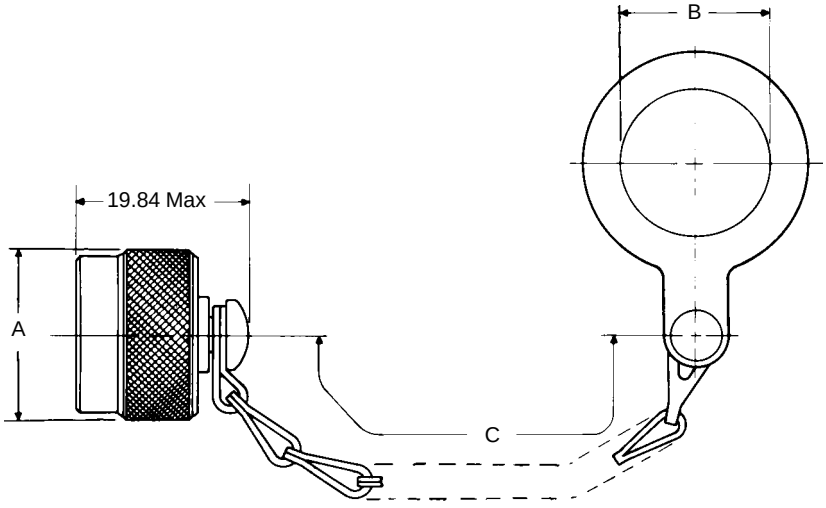
JT MS25711, MS27353 PAN 6433-IM
Receptacle protection cap



* **10-241800-XXX**
* **MS27511XXXC**
* **PAN 6433-IMB**



* **10-241856-XXX**
* **MS27353XXXC**



* **10-241802-XXX**
* **PAN 6433-IMA**

For MS stamping identification, accessories must be ordered by MS part number. If ordered by 10-part number, they will be stamped with said number.

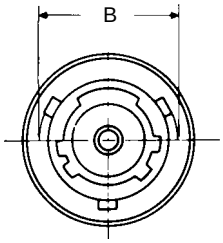
* To complete order number, add shell size and suffix number.
For example, shell size 10 with cadmium plate, nickel base, 10-241800-107, MS27511A10C or MS27353A10.

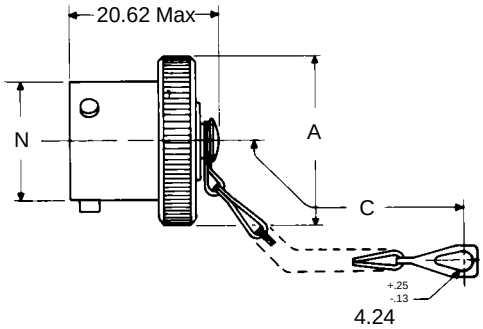
Shell Size	A Dia Max	B +.25 -.00	C Approx
8	18.26	22.63	76.00
10	21.44	25.81	76.00
12	25.40	28.98	89.00
14	28.58	32.16	89.00
16	31.75	35.33	89.00
18	34.93	38.51	89.00
20	38.10	41.68	102.00
22	41.28	44.86	102.00
24	44.45	48.03	102.00

All dimensions for reference only

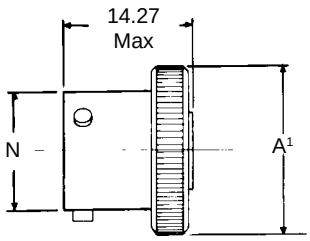
Finish	10-No. Suffix	MS No. Suffix With Chain	MS No. Suffix Without Chain
Chromate treat	-XX0		
Anodic coating	-XX5	CXXC	
Cadmium plate nickel base	-XX7	AXXC	AXX
Olive Drab, Cadmium, nickel base	-XX9	BXXC	BXX
Electroless nickel	-XXG	FXXC	FXX

JT MS27501 PAN 6433-IM
Plug protection cap





* **10-241801-XXX**
* **MS27501XXXC**
* **PAN 6433-IMF**



For MS stamping identification, accessories must be ordered by MS part number. If ordered by 10-part number, they will be stamped with said number.

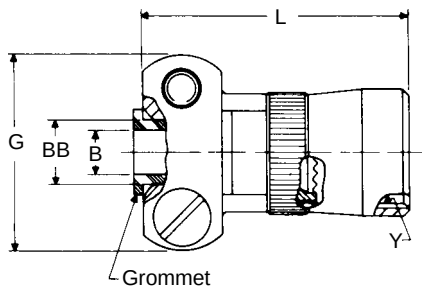
* To complete order number, add shell size and suffix number.
For example, shell size 10 with cadmium plate, nickel base, 10-241801-107, MS27510A10C or MS27352A10.

Shell Size	A Dia Max	A[1] Dia Max	B +.00 -.41	C Approx	N Nia +.03 -.13
8	18.26	17.86	14.30	76.00	12.01
10	21.44	21.03	17.27	76.00	14.99
12	25.40	24.99	21.82	89.00	19.05
14	28.58	28.17	24.99	89.00	22.23
16	31.75	31.34	28.14	89.00	25.40
18	34.93	34.52	31.32	89.00	28.58
20	38.10	37.69	34.49	102.00	31.75
22	41.23	40.87	37.67	102.00	34.93
24	44.45	44.04	40.89	102.00	38.10

All dimensions for reference only

Finish	10-No. Suffix	MS No. Suffix With Chain	MS No. Suffix Without Chain
Chromate treat	-XX0		
Anodic coating	-XX5	CXXC	CXX
Cadmium plate nickel base	-XX7	AXXC	AXX
Olive Drab, Cadmium, nickel base	-XX9	BXXC	BXX
Electroless nickel	-XXG	FXXC	FXX

JT/LJT MS27506 HE309-11
Cable Clamp



* **10-405982-...**
* **MS27506...-2 or M85049/49...**
* **HE309-11-...**

* To complete order number, add shell size and suffix number.
For example, shell size 10 with cadmium plate, nickel base, 10-405982-107, or M85049/49-2-10W.

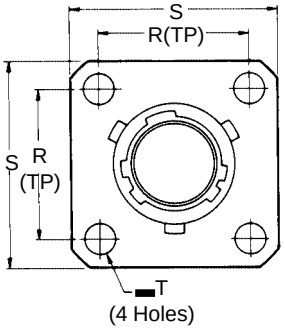
Finish	10-No. Suffix	MS27506 Suffix	M85049/49 Suffix
Chromate treat	-XX0		NA
Anodic coating	-XX5	CXX-2	NA
Cadmium plate nickel base	-XX7	AXX-2	NA
Olive Drab, Cadmium, nickel base	-XX9	BXX-2	(-2-XXW)
Electroless nickel	-XXG	FXX-2	NA

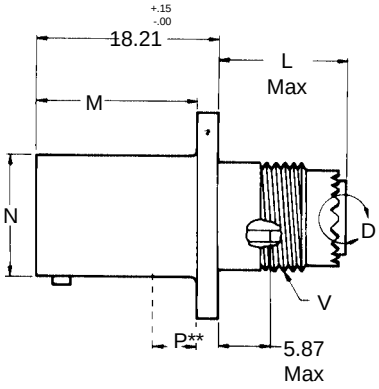
Shell Size	G Max	L Max	Y Thread (Modified) Size Class 2B	Y Thread (Modified) Modified Minor Dia	BB Dia +.00 -.28	Screw Size	B Dia +.25 -.64
8/9	19.69	24.99	.4375-28UNEF	.399-.405	6.35	6-32UNC	3.18
10/11	21.26	24.99	.5625-24UNEF	.524-.529	7.92	6-32UNC	4.78
12/13	24.46	24.99	.6875-24UNEF	.649-.654	11.13	6-32UNC	7.92
14/15	27.61	31.34	.8125-20UNEF	.766-.771	14.27	6-32UNC	9.53
16/17	29.21	31.34	.9375-20UNEF	.891-.896	15.88	6-32UNC	12.70
18/19	35.56	31.34	1.0625-18UNEF	1.002-1.007	19.05	8-32UNC	15.88
20/21	35.56	31.34	1.1875-18UNEF	1.135-1.140	19.05	8-32UNC	15.88
22/23	40.31	34.52	1.3125-18UNEF	1.252-1.257	23.83	8-32UNC	19.05
24/25	42.70	34.52	1.4375-18UNEF	1.377-1382	25.40	8-32UNC	20.32

All dimensions for reference only

SJT00RT JN1003-B PAN 6433-2B VG96912-A

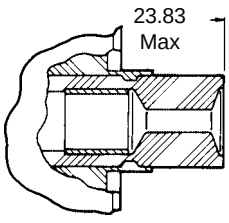
Wall mounting receptacle





- *** SJT00RT-...**
- *** JN1003-B...**
- *** PAN6433-2B...**
- *** VG96912-A...**

* To complete order number, see "how to order" page
** Standard wall mount may be back panel mounted where panel thickness does not exceed these dimensions. For thicker panel applications, SJTP00RT should be used



View D enlarged for size 8 coaxial use only

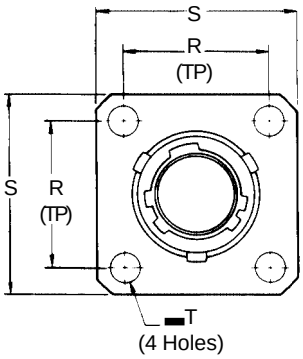
0.01 Dia M

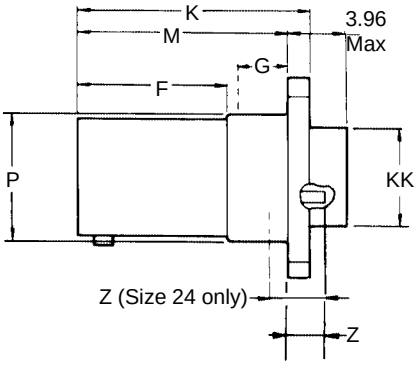
Shell Size	L Max	M +.00 -.01	R (TP)	S ±.04	T ±.01	VThread Modified Class 2A UNEF (Plated)	VThread Modified Modified Major Dia	N +.00 -.01	P** Max
8	12.70	16.05	15.09	20.62	3.05	.4375-28	.421-.417	12.61	2.92
10	12.70	16.05	18.26	23.82	3.05	.5625-24	.542-.538	14.99	2.92
12	12.70	16.05	20.62	26.19	3.05	.6875-24	.667-.663	19.65	2.92
14	12.70	16.05	23.01	28.57	3.05	.8125-20	.791-.787	22.22	2.92
16	12.70	16.05	24.61	30.96	3.05	.9375-20	.916-.912	25.40	2.92
18	12.70	16.05	26.97	33.32	3.05	1.0625-18	1.034-1.030	28.57	2.92
20	12.70	15.29	29.36	36.52	3.05	1.1875-18	1.158-1.154	31.75	2.21
22	12.70	15.29	31.75	39.67	3.05	1.3125-18	1.283-1.279	34.92	2.21
24	13.97	15.29	34.92	42.87	3.73	1.4375-18	1.408-1.404	38.10	1.39

All dimensions for reference only

SJTP02RE

Box mounting receptacle (back panel mounting)





*** SJTP02RE-...**

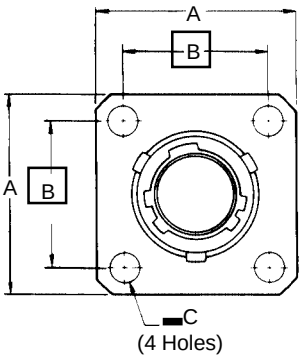
* To complete order number, see "how to order" page

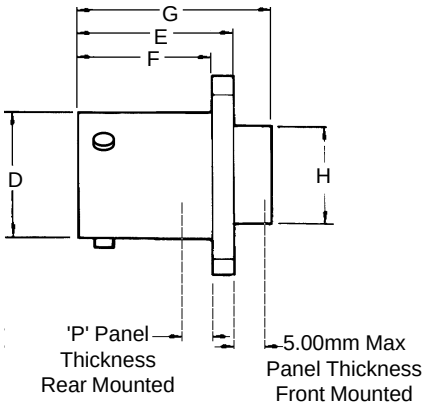
0.01 Dia M

Shell Size	F +.00 -.01	K +.01 -.00	M +.00 -.01	R (TP)	S +.03 -.02	T ±.01	Z ±.08	P Dia +.00 -.01	KK Dia +.01 -.00	G Max
8	15.47	24.00	21.84	15.09	20.62	3.05	1.57	13.11	10.59	8.76
10	15.47	24.00	21.84	18.26	23.82	3.05	1.57	16.08	13.66	8.76
12	15.47	24.00	21.84	20.62	26.18	3.05	1.57	20.37	16.84	8.76
14	15.47	24.00	21.84	23.01	28.57	3.05	1.57	23.54	19.99	8.76
16	15.47	24.00	21.84	24.61	30.96	3.05	1.57	26.72	23.16	8.76
18	15.47	24.00	21.84	26.97	33.32	3.05	1.57	29.89	26.16	8.76
20	15.47	24.00	21.84	29.36	36.52	3.05	1.57	33.07	29.31	8.76
22	15.47	24.00	21.84	31.75	39.67	3.05	1.57	36.24	32.49	8.76
24	19.05	27.56	25.40	34.92	42.87	3.73	1.98	39.42	35.66	11.48

All dimensions for reference only

JN1003-H SJT02RE





* JN1003H ...

* To complete order number, see "how to order" page

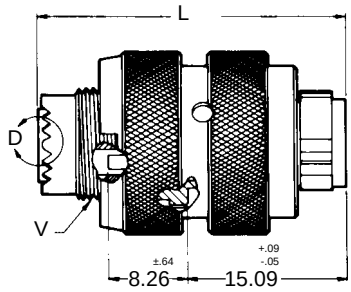
▬ ⌖ 0.01 Dia Ⓜ

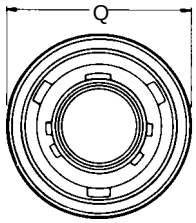
Shell SIze	A ±0.40	B ±0.13	C +0.10	D +0.00 -0.13	E +0.15 -0.00	F +0.00 -0.13	G Max	H Max	P Max
8	20.62	15.10	3.20	12.00	18.21	16.05	27.65	11.91	3.00
10	23.83	18.30	3.20	15.00	18.21	16.05	27.65	15.09	3.00
12	26.19	20.60	3.20	19.05	18.21	16.05	27.65	18.26	3.00
14	28.57	23.00	3.20	22.22	18.21	16.05	27.65	21.44	3.00
16	30.96	24.60	3.20	25.40	18.21	16.05	27.65	24.61	3.00
18	33.32	27.00	3.20	28.57	18.21	16.05	27.65	27.38	3.00
20	36.53	29.40	3.20	31.75	18.21	15.29	27.65	30.56	3.00
22	39.67	31.80	3.20	34.92	18.21	15.29	27.65	33.73	3.00
24	42.90	34.90	3.70	38.10	18.21	15.29	28.72	36.91	2.26

All dimensions for reference only

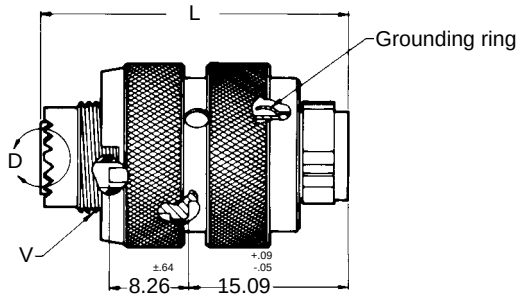
□ Designates true position dimensioning

SJT06RT/SJTG06RT JN1003-FG
PAN 6433-2F, PAN 6433-2FG VG96912-D, VG96912-E
Straight plug / Straight plug (with grounding fingers)



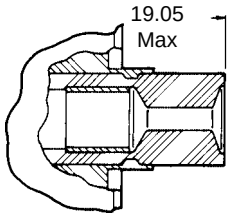


* **SJT06RT-**
* **PAN6433-2F...**
* **VG96912-E...**



* **SJTG06RT-**
* **PAN6433-2FG....**
* **VG96912-D....**
* **JN1003FG....**

View D enlarged for size 8 coaxial use only



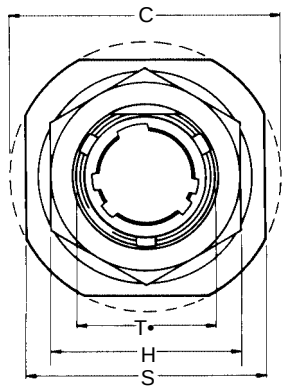
* To complete order number, see "how to order" page

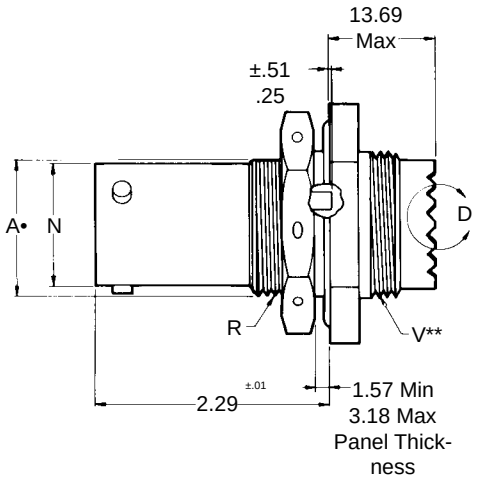
Shell size	L Max	Q Dia Max	V Thread Class 2a UNEF (Plated)	V Thread Modified Major Dia.
8	30.96	18.64	.4375-28	10.69 - 10.59
10	30.96	21.44	.5625-24	13.77- 13.67
12	30.96	25.81	.6875-24	16.94 - 16.84
14	30.96	28.98	.8125-20	20.09 - 19.99
16	30.96	32.13	.9375-20	22.27 - 23.16
18	30.96	35.33	1.0625-18	26.26 - 26.16
20	30.96	38.10	1.1875-18	29.41 - 29.31
22	30.96	41.28	1.3125-18	32.59 - 32.49
24	31.95	44.45	1.4375-18	35.76 - 35.66

All dimensions for reference only

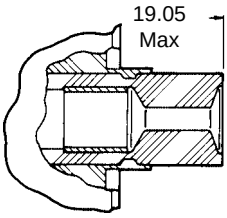
SJT07RT JN1003-A PAN 6433-2A VG96912-B

Jam nut receptacle





* **SJT07RT...**
* **PAN 6433-2A...**
* **VG96912-B...**
* **JN 1003A**



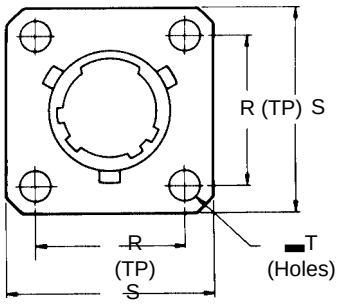
View D enlarged for size 8 coaxial use only

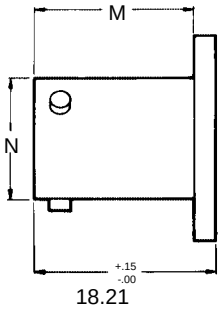
• "D" shaped panel cut-out dimensions
* To complete order number, see "how to order" page
** Oversize threads. Check accesory threads before ordering

Shell Size	A• +.00 -.25	H Hex +.43 -.41	S ±.41	V Thread Class 2a UNEF (Plated)	R Thread Class 2a UNEF (Plated)	N +.02 -.05	C Max	T• +.25 -.00
8	13.77	19.05	23.82	.5625-24	.5625-24	18.01	27.38	14.52
10	16.92	22.22	26.97	.6875-24	.6875-24	14.99	30.56	17.70
12	21.08	26.97	31.75	.8125-20	.8750-20	19.05	35.33	22.45
14	24.26	30.17	34.92	.9375-20	1.0000-20	22.22	38.48	25.58
16	27.53	33.32	38.10	1.0625-18	1.1250-18	25.40	41.68	28.80
18	30.68	36.52	41.27	1.1875-18	1.2500-18	28.57	44.86	31.98
20	33.86	39.67	46.02	1.3125018	1.3750-18	31.75	49.61	35.15
22	37.06	42.87	49.22	1.4375-18	1.5000-18	34.92	52.78	38.28
24	46.13	46.62	52.37	1.43775-18	1.6250-18	38.10	55.96	41.50

All dimensions for reference only

SJT JN1003-R VG 96912-W
Dummy receptacle





* **10-476807-XXX**
* **JN1003R-XX**

* To complete order number, add shell size and suffix number.
For example, shell size 10 with bright cadmium plated nickel base, 10-476807-107.

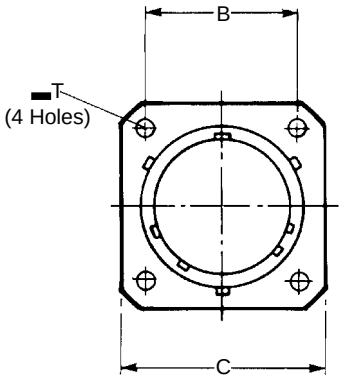
Finish	Suffix
Chromate treat	-XX0
Anodic coating	-XX5
Cadmium plate nickel base	-XX7
Olive Drab, Cadmium, nickel base	-XX9
Electroless nickel	-XXG

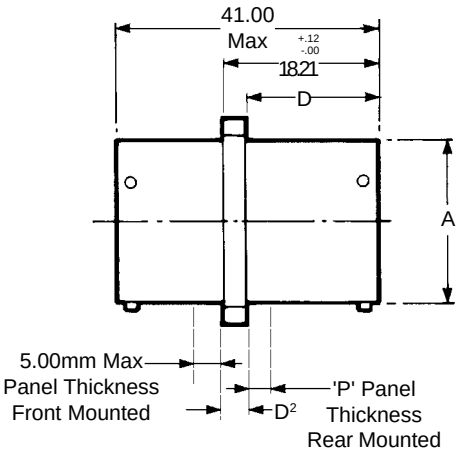
▬ ⌖ 0.13 Dia Ⓜ

Shell Size	M +.00 -.13	N +.00 -.01	R (TP)	S +.03 -.02	T ±.01
8	16.05	12.01	15.09	20.62	3.05
10	16.05	14.99	18.26	23.82	3.05
12	16.05	19.05	20.62	26.18	3.05
14	16.05	22.22	23.01	28.57	3.05
16	16.05	25.40	24.61	30.96	3.05
18	16.05	28.57	26.97	33.32	3.05
20	15.29	31.75	29.36	36.52	3.05
22	15.29	34.92	31.75	39.67	3.05
24	15.29	38.10	34.92	42.87	3.73

All dimensions for reference only

SJTB JN1003-J
Though Bulkhead





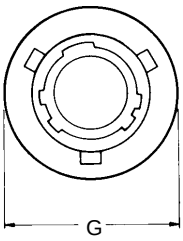
SJTB ...
JN1003J ...

Complete part number by adding size and planform
ie: SJTB24-35PS(014)

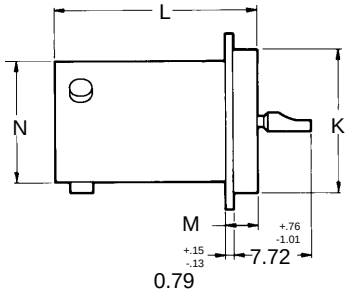
⌖ 0.01 Dia Ⓜ

Shell Size	A +.00 -.13	B ±.13	C ±.40	D +.00 -.13	D² +.10 -.0	P Max
8	12.00	15.10	20.62	16.05	3.20	3.00
10	15.00	18.30	23.83	16.05	3.20	3.00
12	19.05	20.60	26.19	16.05	3.20	3.00
14	22.22	23.00	28.57	16.05	3.20	3.00
16	25.40	24.60	30.96	16.05	3.20	3.00
18	28.57	27.00	33.32	16.05	3.20	3.00
20	31.75	29.40	36.53	15.29	3.20	3.00
22	34.92	31.80	39.67	15.29	3.20	3.00
24	38.10	34.90	42.90	15.29	3.70	2.26

SJT1Y JN1003-E - Hermetic
Solder mounting receptacle



*** SJT1Y- ...**

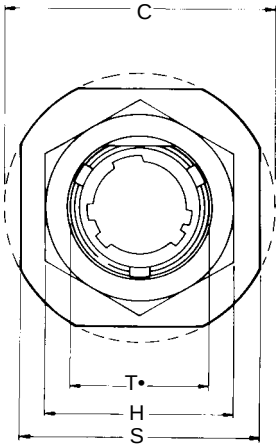


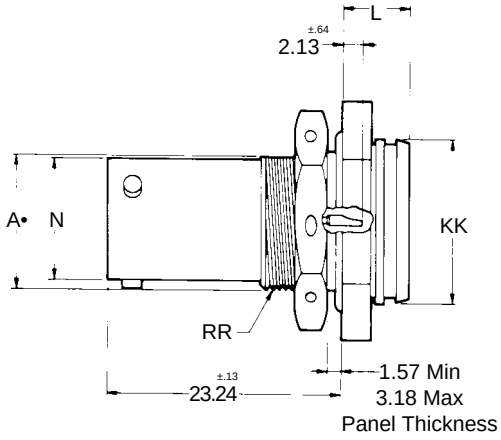
* To complete order number, see "how to order" pages

Shell Size	L +0.28 -0.00	M +0.15 -0.13	G Dia +0.28 -0.25	K Dia +0.02 -0.13	N +0.02 -0.13
8	20.04	3.17	17.44	14.27	12.01
10	20.04	3.17	20.24	17.07	14.38
12	20.04	3.17	23.01	19.83	19.05
14	20.04	3.17	26.18	23.01	22.22
16	20.04	3.17	29.36	26.18	25.40
18	20.04	3.17	32.53	29.36	28.57
20	20.04	3.17	34.92	31.75	31.75
22	20.86	3.96	38.10	34.92	34.92
24	20.85	3.96	41.27	38.10	38.10

SJT07Y - Hermetic

Jam nut receptacle



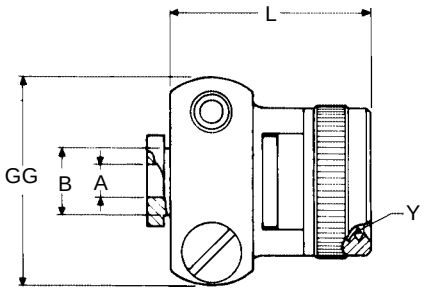


*** SJT07Y- ...**

• "D" shaped panel cut-out dimensions
* To complete order number, see "how to order" pages

Shell SIze	N +.00 -.01	C Max	A• +.00 -.02	L Max	H Hex +.04 -.04	S ±.04	KK +.03 -.00	RR Thread Class 2a Threaded	T• +.02 -.00
8	12.01	27.38	13.77	7.54	19.03	23.82	16.31	.5625-24	14.52
10	14.99	30.56	16.992	7.54	22.22	26.97	19.45	.6875-24	17.70
12	14.05	35.33	21.08	7.54	26.97	31.75	22.66	.8750-20	22.45
14	22.22	38.48	24.26	7.54	30.17	34.92	25.86	1.0000-20	25.50
16	25.40	41.68	27.53	7.54	33.32	38.10	29.01	1.1250-18	28.80
18	28.57	44.86	30.68	8.33	36.52	41.27	32.21	1.2500-18	31.98
20	31.75	49.61	33.86	8.33	39.67	46.02	35.36	1.3750-18	35.15
22	34.92	52.78	37.06	8.33	44.87	49.22	38.56	1.5000-18	38.27
24	38.10	55.96	40.13	8.33	46.02	52.37	41.77	1.6250-18	41.50

SJT - Accessories
Cable Clamp



*** 10-476808-XXX**

* To complete order number, add shell size and suffix number.
For example, shell size 10 with cadmium plate, nickel base, 10-476808-107.

Finish	10-No. Suffix
Chromate treat	-XX0
Anodic coating	-XX5
Cadmium plate nickel base	-XX7
Olive Drab, Cadmium, nickel base	-XX9
Electroless nickel	-XXG

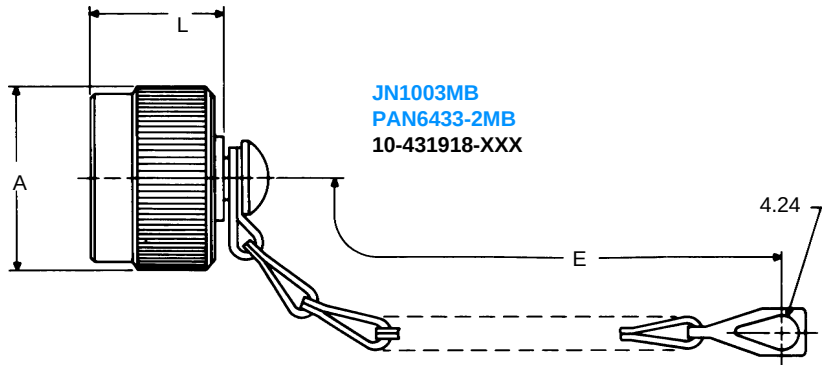
Shell Size	A Dia +.02 -.06	B Dia +.00 -.03	L Max	Y Thread Class 2B UNEF (Plated)	GG Max
8	3.17	6.35	23.42	.4375-28	19.68
10	4.77	7.92	23.42	.5625-24	20.09
12	7.92	11.12	23.42	.6875-24	24.46
14	9.52	14.27	29.76	.8125-20	27.60
16	12.70	15.89	29.76	.9375-20	29.31
18	15.87	19.05	29.76	1.0625-18	35.54
20	15.87	19.05	29.76	1.1875-18	35.54
22	19.03	23.82	32.94	1.3125-18	40.31
24	20.32	25.54	32.94	1.4375-18	42.69

All dimensions for reference only

SJT - Accessories Receptacle protection cap

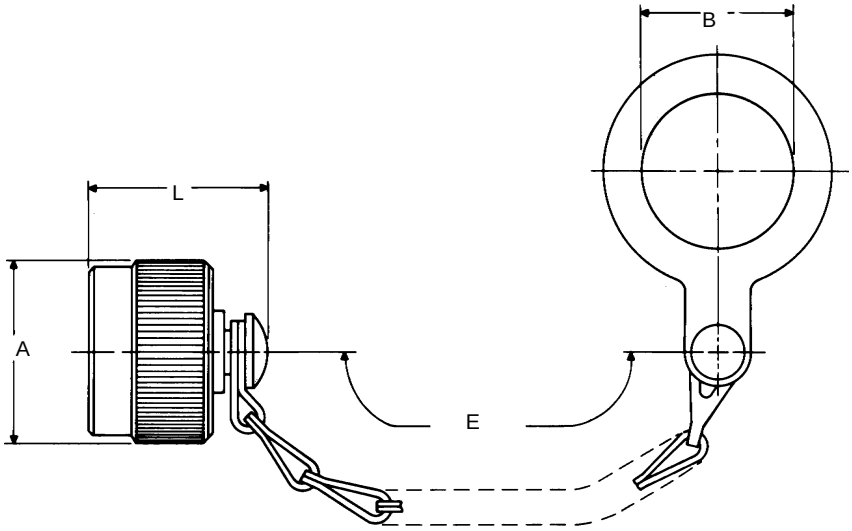
Cover, connector receptacle electrical -

JN1003-MB PAN 6433-2MB, PAN 6433-2MA



JN1003MB
PAN6433-2MB
10-431918-XXX

* **10-325943-XXX**



* **JN1003 MA**
* **PAN6433-2MA**
* **10-432984-XXX**

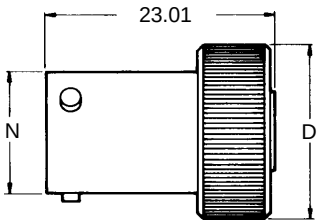
Finish	Suffix
Chromate treat	-XX0
Anodic coating	-XX5
Cadmium plate nickel base	-XX7
Olive Drab, Cadmium, nickel base	-XX9
Electroless nickel	-XXG

Shell Size	A Dia Max	B Dia Max	L Max	E Min
8	19	16.28	21.03	69.85
10	22	19.46	21.03	69.85
12	26	22.63	21.03	82.55
14	29	25.81	21.03	82.55
16	33	28.98	21.03	82.55
18	36	32.16	21.03	82.55
20	39	38.63	21.03	95.25
22	44	41.28	21.03	95.25
24	46	41.68	21.82	95.25

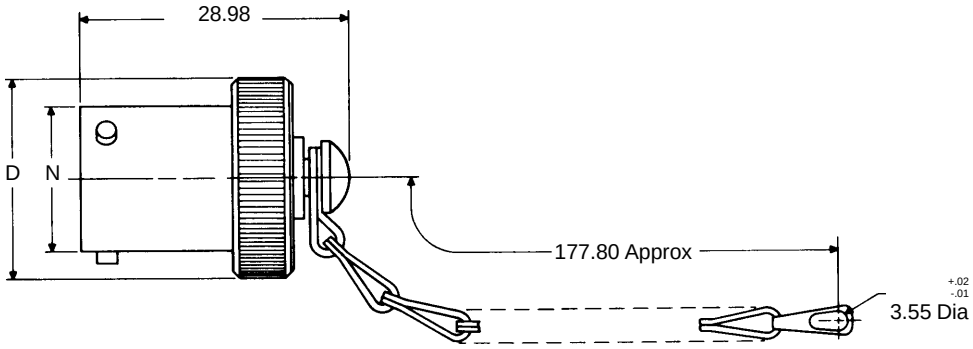
All dimensions are for reference only

SJT - Accessories
Plug protection cap

Plug protection cap



***10-476801-XXX**



* **10-476810-XXX**
* **JN1003MFXX**
* **PAN 6433-2MFXX**

*To complete order number, add shell size and suffix number. For example shell size 10 with bright cadmium plated Nickel base, 10-476810-107

Shell Size	D Dia Max	N Max
8	17.48	12.01
10	20.63	14.99
12	24.61	19.05
14	27.79	22.23
16	30.96	25.40
18	34.14	28.58
20	37.31	31.75
22	40.49	34.93
24	43.66	38.10

All dimensions for reference only

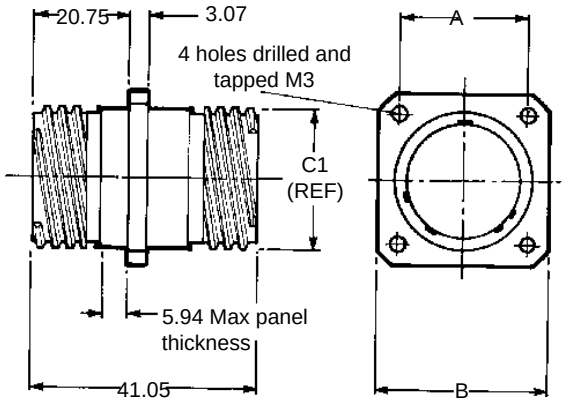
Finish	10-No. Suffix
Bright cadmium plated nickel base	XX7
Anodic coating (Alumilite)	XX5
Chromate Treated (Iridite 14-2)	XX0
Olive drab cadmium plate nickel base	XX9
Electroless nickel coating	XXG

Thru-Bulkhead Receptacle

For SJTB See Page 51

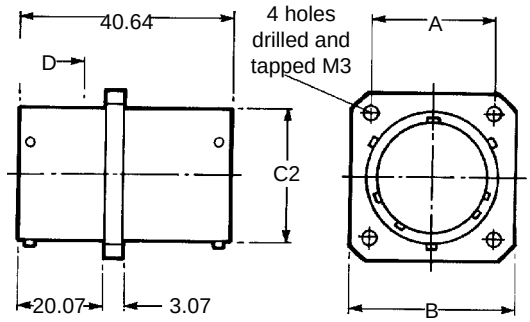
- For feed through of circuits on bulkhead or panel
- Pin and socket double ended contacts
- Drilled and tapped mounting holes

TVB Intermates with MIL-C-38999 Series III connectors



TVBK=Electroless nickel TVBW=Olive drab TVBB = Ni Al Bronze
Example part number: TVBW-25-35PSN(WS2)

LJTB Intermates with MIL-C-38999 Series 1 connectors



Example part number: LJTB-25-35PS(014)(W02)

Shell size	A	B	C1	C2	D LJT Max Panel thickness
9	18.26	23.83	15.88	14.53	5.18
11	20.62	26.19	19.05	17.78	5.18
13	23.01	28.58	22.25	21.59	5.18
15	24.61	30.96	27.94	24.77	5.18
17	26.97	33.32	30.15	27.94	5.18
19	29.36	36.53	31.75	30.66	5.18
21	31.75	39.67	34.93	33.83	5.18
23	34.93	42.88	38.10	37.01	5.18
25	38.10	46.02	41.28	40.18	4.90

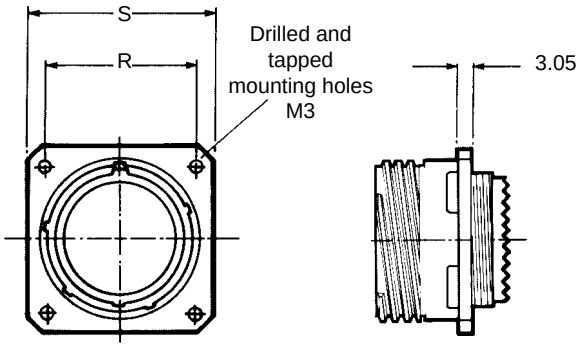
Drilled and tapped mounting holes (W02) deviation

- Eases connector mounting
- Cost effective
- Alleviates the possibility of mounting nuts falling into equipment

Available in all square flange sizes

N.B Flange thickness is increased to 3.05

Example part number LJTP02RE1535PN(W02)



Shell size	LJT/TV	
	R	S
9	18.26	23.83
11	20.62	26.19
13	23.01	28.58
15	24.61	30.96
17	26.97	33.32
19	29.36	36.53
21	31.75	39.67
23	34.93	42.88
25	38.10	46.02

Shell size	SJT	
	R	S
8	15.09	20.62
10	18.26	23.80
12	20.62	26.19
14	23.01	28.55
16	24.61	30.96
18	26.97	33.30
20	29.36	36.53
22	31.75	39.67
24	34.93	41.35

All dimensions for reference only

Crimp Contacts

Contact Size	SJT/JT/LJT Pins + TV		JT Sockets		SJT/LJT Sockets + TV	
	Proprietary No	MS Number	Proprietary No	MS Number	Proprietary No	MS Number
8 (Coax)	21-33102-21	M39029/60-367	NA	NA	21-33101-21	M39029/59-366
8 (Twinax)	21-33190-529	M39029/90-529†	NA	NA	21-33191-530†	M39029/91-530
10 (Power)	10-251415-105	M39029/58-528	NA	NA	10-407035-105	M39029/56-527
12	10-251415-12H	M39029/58-365	10-251416-125	M39029/57-359	10-407035-125	M39029/56-353
16	10-251415-165	M39029/58-364	10-251416-165	M39029/57-358	10-407035-165	M39029/56-352
20	10-251415-205	M39029/58-363	10-497401-205	M39029/57-357	10-497403-205	M39029/56-351
22	10-251415-225	M39029/58-362	10-251416-225	M39029/57-356	10-407035-225	M39029/56-350
22M	10-251415-235	M39029/58-361	10-251416-235	M39029/57-355	10-407035-235	M39029/56-349
22D	10-251415-725	M39029/58-360	10-251416-725	M39029/57-354	10-407035-725	M39029/56-348

† for use with M17/M176-00002 cable.

Filler Plugs

Contact Size	Sealing Plugs	
	Proprietary No	MS Number
8 (Coax)	10-482099-8	NA
8 (Twinax)	10-405996-8-1	MS27488-8-1
10 (Power)	10-576225	NA
12	10-405996-12-1	MS27488-12-1
16	10-405996-16-1	MS27488-16-1
20	10-405996-20-1	MS27488-20-1
22D	10-405996-22-1	MS27488-22-1

Dummy Contacts

Dummy Contacts Size	
8 Pin	418-920P
8 Sockets	418-920S

Thermocouple Contacts

Contact Size	Material	JT/LJT/TV Pins	JT Sockets	LJT/TV Sockets
20	Chromel	10-407862-310	10-407863-310	10-407865-310
	Alumel	10-407862-320	10-407863-320	10-407865-320
	Iron	10-407862-335	10-407863-335	10-407865-335
	Constanstan	10-407862-342	10-407863-342	10-407864-342

Premating Contacts

SJT/LJT/JT/TV	Size 20	Size 16	Size 12
Pin Contact	418-1038-2000P-02	418-1038-1600P-02	418-1038-1200P-02

Last Mate Contacts

SJT/LJT/JT/TV	Size 20	Size 16	Size 12
Pin Contact	418-1038-2001P-02	418-1038-1601P-02	418-1038-1201P-02

Heavy Duty Power Contacts

Size 8 Power Contacts rated at 60 amps. LJT, SJT, TV Series only.

8 AWG Cable:
Pin Contact 900-197
Socket Contact 900-217

10 AWG Cable:
Standard Contact plus Reducing Sleeve 900-154

Crimping Tools

Contact Size/Type	Crimping Tool	Turret Die or Positioner
12 Pin and Socket	M22520/1-01	M22520/1-04
16 Pin and Socket	M22520/1-01 M22520/7-01	M22520/1-04 M22520/7-04
20 Pin and Socket	M22520/1-01 M22520/2-01 M22520/7-01	M22520/1-04 M22520/2-10 M22520/7-08
22, 22D, 22M Pin	M22520/2-01 M22520/7-01	M22520/2-09 M22520/7-07
22, 22D, 22M Socket (LJT-R)	M22520/2-01 M22520/7-01	M22520/2-07 M22520/7-05
22D Socket (JT-R)	M22520/2-01 M22520/7-01	M22520/2-06 M22520/7-06
8 Twinax Centre Pin and Socket	M22520/2-01	M22520/2-37
8 Twinax Intermediate Outer Pin & Socket	M22520/5-01	M22520/5-200

Contact Size/Type	Crimping Tool	Turret Die or Positioner
8 Coaxial Inner Pin and Socket	M22520/2-01	M22520/2-31
8 Coaxial Outer Pin and Socket	M22520/5-01 M22520/5-01 M22520/10-01	M22520/5--05 Die Closure B M22520/5-41 Die Closure B M22520/10-07 Die Closure B
16 Coaxial Inner Pin and Socket	M22520/2-01	M22520/2-35
16 Coaxial Outer Pin and Socket	M22520/4-01	M22520/4-02
12 Coaxial Inner Pin and Socket	M22520/2-01	M22520/2-34
12 Coaxial Outer Pin and Socket	M22520/31-01	M22520/31-02
10 (Power)	*CONSULT	FACTORY

Where 2 or 3 tools are listed for a contact size, only one tool and its die or positioner are required to crimp the contact. The above crimping tools and positioners are available from the approved tool manufacturer.

Insertion Tools

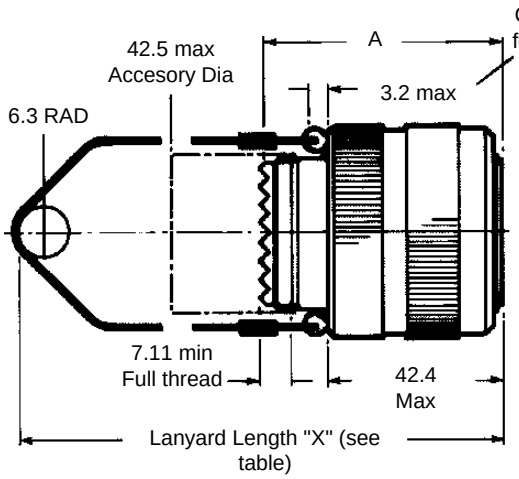
Use With Contact Size	Plastic Tools		Metal Tools			
			Angle Type		Straight Type	
	Part Number	Colour	MS Part Number	Proprietary Part Number	Proprietary Part Number	Colour
12	M81969/14-04	Yellow / (White)	M81969/8-09	11-8674-12	11-8794-12	Yellow
16	M81969/14-03	Blue / (White)	M81969/8-07	11-8674-16	11-8794-16	Blue
20	M81969/14-10	Red / (Orange)	M81969/8-05	11-8674-20	11-8794-20	Red
22	M81969/14-09	Brown / (White)	M81969/8-03	11-8674-22	11-8794-22	Brown
22D, 22M	M81969/14-01	Green / (White)	M81969/8-01	11-8674-24	11-8794-24	Black
8 Coaxial	None Required					
8 Twinax	None		M81969/46-06	None		Red

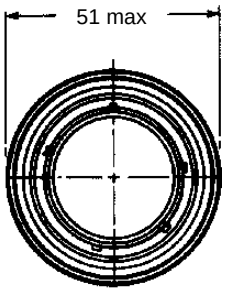
Removal Tools

Use With Contact Size	Plastic Tools		Metal Tools				
				Angle Type		Straight	
	Part Number	Colour Code	For Unwired Contacts Proprietary Part Number	MS Part Number	Proprietary Part Number	Type Proprietary Part No	Colour Code
12	M81969/14-04	(Yellow) / White	11-10050-11	M81969/8-10	11-8675-12	11-8795-12	Yellow / White
16	M81969/14-03	(Blue) / White	11-10050-10	M81969/8-08	11-8675-16	11-8795-16	Blue / White
20	M81969/14-10	(Red) / Orange	11-10050-9	M81969/8-06	11-8675-20	11-8795-20	Red / White
22	M81969/14-09	(Brown) / White	11-10050-8	M81969/8-04	11-8675-22	11-8795-22	Brown / White
22D, 22M	M81969/14-01	(Green) / White	11-10050-7	M81969/8-02	11-8675-24	11-8795-24	Black / White
8 Coaxial	M81969/14-12	Green	None	None	11-9170	DRK264-8	N/A
8 Twinax	M81969/14-12	Green	None	M81969/46-12	11-9170	N/A	N/A

Low Profile MIL-STD 1760 Breakaway - D38999/31 Style 1 Approved

- Swivel Lanyard
- Moisture / Ice Resistant
- Approved to D38999 / 31 , JN1034, complies with Stanag 3837AA
- Insert arrangement compatable with MIL-STD-1553B databus





TVFBRW25-20P(X)
D38999/31WX20N1
TVFBRW25-11PA(X)

Replace 'X' in part number with Lanyard length

Shell size *	A max dia
11	33.02
13	36.02
15	39.52
17	41.00
19	41.00
23	47.42
25	51.00

Lanyard code*	Length ±6mm
D	140
E	153
F	166
G	178
H	191
K	229
M	254
J	407
X	432

* Other sizes available on request

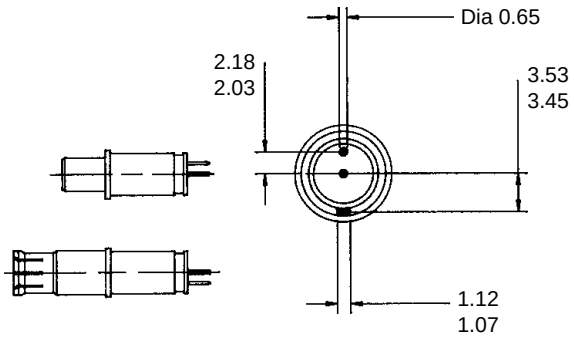
- For MIL-STD-1760 applications only, 25-20 and 25-11 inserts should be used

Contact size	Under D38999/31 Pin contacts Proprietary Number	MS Number	Socket Contacts Proprietary Number	MS Number
8 (twinax)	21-33190-529	M39029/90-529	21-33191-530	M39029/91-530
10 (power)	10-251415-105	M39029/58-528	10-407035-105	M39029/56-527
12 (coax)	21-33122-546	M39029/28-211	21-33123-546	M39029/75-418
16 (power)	10-251415-165	M39029/58-364	19-407035-165	M39029/56-352
20 (power)	10-251415-205	M39029/58-363	10-497403-205	M39029/91-351

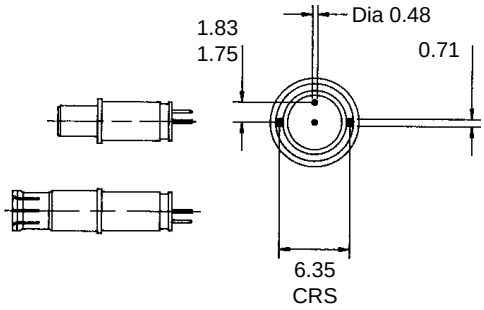
Contact size	Under TVFBRW 25 Pin contacts Propietory Number	Socket Contacts	Under JN1034E Pin contacts Proprietory Number	Socket Contacts
8 (twinax)	711-1760-1-14	711-1760-2-14	711-1760-1-32	711-1760-2-32
10 (power)	10-251415-105	10-407935-105		
12 (coax)	21-33122-546	21-33123-546	21-33122-546	21-33123-546
16 (power)	10-251415-165	10-407035-165	10-251415-165	10-407035-165
20 (power)	10-251415-205	10-497403-205	10-251415-205	10-497403-205

Append "L/C" to part number if no contacts are required
All dimensions are for reference only

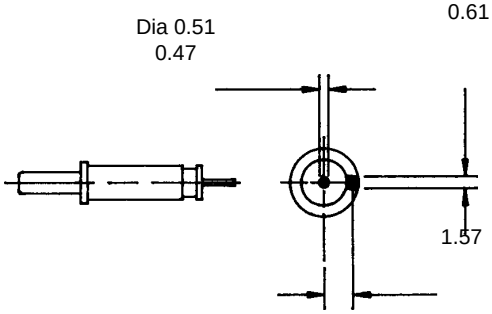
Printed Circuit Board Contacts



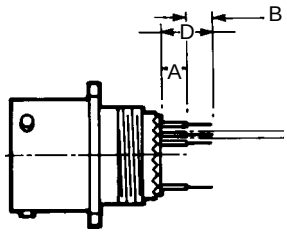
711GB-0329-1
711GB-0329-2

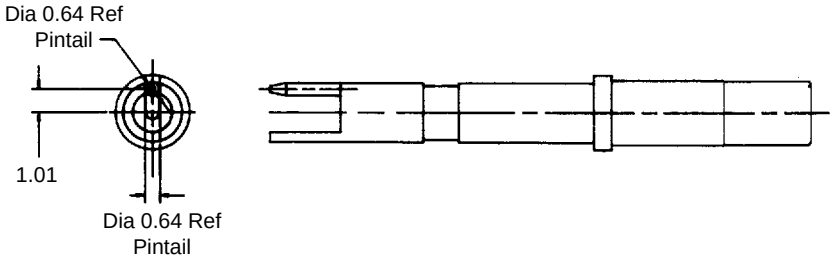


711-1760-1PC
711-1760-2PC
711-1760-3PC



418-1440-1200P-IPC





418-1608-1600S-1PC

	TV07	TV06	TVP00	LJT00	LJT06	LJTPQ00	LJT07 #9	LJT07 #19-25	LJTP02 LJT02	JTPQ00 #8	JT06 #8	JT00 #8	JT07 #8	JTPQ00 #24	JT06 #24	JT07 #24	JT00 #24	SJT06 #8	SJT00 #8	SJT00 #24	SJT07 #8-16	SJT07 #18-24
Size 8 Data Bus Pin	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
711GB-0329-1	4,32	4,32	4,32	4,98	4,39	4,60	4,43	3,75	10,16	7,87	8,31	8,31	8,31	6,58	6,58	6,58	6,58	3,66	4,98	3,58	NS	NS
711-1760-1PC	2,79	2,79	2,79	3,48	2,87	3,10	3,00	2,25	8,66	6,38	6,81	6,81	6,81	5,08	5,08	5,08	5,08	2,16	3,48	2,08	NS	NS

Size 8 Data Bus Socket	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
711GB-0329-2	4,10	4,10	4,10	4,78	4,17	4,39	4,24	3,75	9,96									3,45	4,78	3,38	NS	NS
711-1760-2PC	2,59	2,59	2,59	3,28	2,67	2,90	2,74	2,25	8,46	TV, LJT & SJT ONLY								1,96	3,28	1,88	NS	NS
711-1760-3PC	4,76	4,76	4,76	5,44	4,83	5,05	4,90	4,41	10,62									4,11	5,44	4,04	NS	NS

Size 12 Coax Pin	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
418-1440-1200P-1PC	2.79	2.79	2.79	3.48	2.87	3.10	3.00	2.25	8.66	6.38	6.81	6.81	6.81	5.08	5.08	5.08	5.08	5.16	3.48	2.08	NS	NS

Size 16 Coax Socket	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
418-1608-1600S-1PC	4.48	4.47	4.47	5.16	4.55	4.78	4.62	4.13	10.34	TV, LJT & SJT ONLY								3.84	5.16	3.76	NS	NS

All dimensions for reference only

Coaxial Contacts

Contacts		P/S	Size	Cable	Crimping Tools	
LJT/TV/SJT	JT				Inner Contact	Crimp Ferrule
418-840-16001-02 M39029/76-424		P	16	RG179B/U RG174a/U RG188A/U RG316/U RG161/U RG187A/U Teledyne 11299 Times (HS-179) AA3248	MIL-C-22520/2-01 with positioner M22520/2-35 or Daniels Positioner K32	M22520/4-01 with positioner M2520/4-02
418-841-16001-02 M39029/77-428	21-33121-563 M39029/78-432	S	16			
418-840-12001-02 M39029/28-211		P	12		MIL-C-22520/2-01 with positioner M22520/2-34 or Daniels Positioner 323	M22520/31-01 Positioner M22520/31-02 or Danels G5200 Tool Positioner G2P330
418-841-12001-02 M39029/75-416	21-33121-546 M39029/27-210	S	12			

Partial Lists - Please see "Coaxial Contacts" catalogue for other contacts available

Short #8 MIL-STD-1553B Contacts for 1760 Interfaces

Contacts designed to meet the requirements of MIL-C-39029/90A (PIN) and 91A (Socket). For use in aircraft stores management interfaces.

711-1760-X-X X

Series Designator

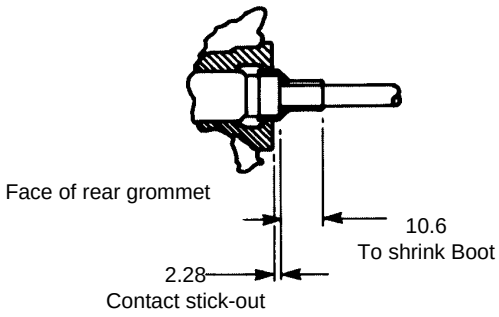
Contact Style
1=Pin
2=Socket

Sealing Style
0=No seal supplied
1=1760/heatshrink boot
2=38999/cable grommet
3=Improved cable grommet

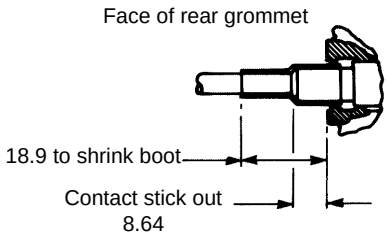
Variation (Cable accepted)
1- Raychem EPD 221898 & 10614
Grumman GC 875 F24H
2- Raychem 10613
711 Series - Pan 6421
3- McDonnell Douglas
SM2022/003
4- Tensolite M17/176.00002
Raychem 10612
5- Rychem 10606
6- Raychem EPD 2984A

Contacts are of a four piece weight reduced design and utilises the MIL-Spec tooling listed below-
For centre contact crimp - Positioner Part No. 294GB 5049
Hand tool M22520/2-01
For intermediate & outer Body crimps Die Part No 294GB 5050
Hand tool M22520/5-01

***JN1057-X**
711-1760-X-XX
in situ dimensions



M39029/90/91A
in situ dimensions



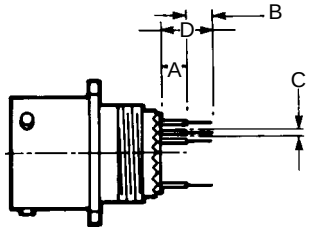
Printed Circuit Board Contacts

	Tail Dia "C"	Tail Length "B"	TV07/TV06 TVP00	LJT00 LJT06	LJTPQ00	LJT07 #9-15	LJT07 #17-25	LJT02/JTP02 LJTP02/JT02	JTP000 #8-22 JT06 #8-22	JT00 #8-22 JT07 #8-22	JTPQ00/JT06 #24 JT07/JT00 #24	SJT06 SJT00 #8-22	SJT00 #24	SJT07 #8-16	SJT07 #18-24
Pin size 16	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A
418-926-1600P-02	1.22	2.95	5.74	6.40	6.02	5.87	5.38	11.58	9.32	9.78	8.03	6.40	5.00	NS	NS
418-1086-1600P-02	0.99	8.64	6.71	7.37	6.99	6.83	6.35	12.55	10.29	10.74	8.97	7.37	5.97	1.96	NS
418-1229-1600P-02	1.22	3.99	9.58	10.24	9.86	9.70	9.22	15.42	13.16	13.61	11.86	10.24	8.84	4.83	4.04
418-926-1602P-02	1.14	8.00	9.80	10.46	10.08	9.93	9.45	15.65	13.39	13.84	12.09	10.46	9.07	5.05	4.27

Socket size 16	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A
418-1086-1600S-02	1.04	8.64	6.73	7.39	7.01	6.86	6.35	12.57	LJT SJT TV only			7.39	5.99	1.98	NS

*Ref to drawing below (Wire Wrap Contacts)

Wire Wrap Contacts



	Tail Square "C"	Tail Length "B"	TV07/TV06 TVP00	LJT00 LJT06	LJTP000	LJT07 #9-15	LJT07 #17-25	LJT02/JTP02 LJTP02/JT02	JTP000 #8-22 JT06#8-22	JT00 #8-22 JT07 #8-22	JTP000/JT06 #24 JT07/JT00 #24	SJT06 SJT00 #8-22	SJT00 #24	SJT07 #8-16	SJT07 #18-24
Pin #22D	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A
418-982-22001-02	0.63	11.94	6.20	6.86	6.48	6.32	5.84	12.03	9.78	10.24	8.48	6.86	5.46	NS	NS
418-982-2202P-02	0.63	15.54	15.34	16.00	15.62	15.47	14.99	21.18	18.92	19.38	17.63	16.00	14.60	10.59	9.80
418-982-2200P-02	0.63	12.62	17.83	18.49	18.11	17.96	17.47	22.61	21.41	21.87	20.17	18.49	17.09	13.08	12.29

Socket#22D	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A
418-982-2202S-02	0.64	15.54	15.06	15.72	15.34	15.19	14.68	20.90	LJT only			15.72	14.33	10.31	9.53
418-982-2200S-02	0.64	12.75	17.55	18.21	17.83	17.68	17.17	23.39	LJT only			18.21	16.81	12.80	12.01

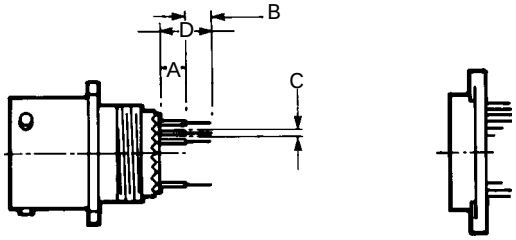
Pin#20	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A
418-982-2002P-02	0.64	15.54	15.34	16.00	15.62	15.47	24.13	21.18	18.92	19.38	17.63	16.00	14.61	10.59	9.80

Socket #20	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A
418-1086-2002S-02	0.64	15.70	15.04	15..54	15.34	15.19	14.68	20.90	LJT only			15.72	14.33	10.31	9.50

All dimensions are nominal, "NS" Designates no stick out, "#" designates shell size
To ensure grommet sealing - stickout dimensions should be equal to or greater than contact tail length

Printed Circuit Board Contacts

- Can be supplied fitted or loose
- Standard insert extraction tools
- Gold plating in accordance with MIL-C-39029
- Can be used with Harwin Sockets



	Tail Dia "C"	Tail Length "B"	TV07/TV06 TVP00	LJT00 LJT06	LJTPQ00	LJT07 #9-15	LJT07 #17-25	LJT02/JTP02 LJTP02/JT02	JTP00/JT06 #8-22	JT00 /JT07#8-22	JTPQ00/JT06 /JT07/JT00#	SJT06 SJT00 #8-22	SJT00 #24	SJT07 #8-16	SJT07 #18-24
Pin size #22D	C	B	D	D	D	D	D	D	D	D	D	D	D	D	D
418-1227-2200P-02	0.027	0.122	NS	NS	NS	NS	NS	0.163	0.073	0.091	NS	NS	NS	NS	NS
418-923-2200P-02	0.024	0.158	NS	NS	NS	NS	NS	0.217	0.128	0.146	0.077	NS	NS	NS	NS
418-818-2200P-02	0.028	0.157	0.062	0.088	0.073	0.067	NS	0.292	0.203	0.221	0.152	0.088	NS	NS	NS
418-929-22001-02	0.019	0.160	0.123	0.149	0.134	0.128	0.109	0.353	0.264	0.282	0.213	0.149	0.094	NS	NS
418-1075-2200P-02	0.019	0.118	0.167	0.193	0.178	0.172	0.153	0.397	0.308	0.326	0.266	0.193	0.138	NS	NS
418-926-2200P-02	0.019	0.118	0.189	0.215	0.200	0.194	0.175	0.419	0.330	0.348	0.279	0.215	0.160	NS	NS
418-1228-2200P-02	0.015	0.138	0.233	0.259	0.244	0.238	0.219	0.463	0.374	0.382	0.323	0.259	0.204	NS	NS
418-1086-2200P-02	0.019	0.348	0.264	0.290	0.275	0.269	0.250	0.494	0.405	0.423	0.353	0.290	0.235	0.077	NS
418-926-2201P-02	0.019	0.276	0.346	0.373	0.376	0.352	0.333	0.577	0.488	0.506	0.437	0.373	0.318	0.160	0.129
418-926-2202P-02	0.019	0.315	0.386	0.412	0.397	0.391	0.372	0.616	0.527	0.545	0.476	0.412	0.357	0.199	0.168
418-929-22004	0.019	0.253	0.554	0.580	0.565	0.559	0.540	0.784	0.695	0.713	0.644	0.580	0.525	0.367	0.336

Socket size 22D	C	B	D	D	D	D	D	D	D	D	D	D	D	D	D
418-923-2200S-02	0.023	0.158	NS	NS	NS	NS	NS	0.206	LJT SJT TVonly			NS	NS	NS	NS
418-1075-2200S-02	0.019	0.119	0.165	0.191	0.176	0.170	0.150	0.395	LJT SJT TV only			0.191	0.136	NS	NS
418-926-2200S-02	0.019	0.118	0.178	0.204	0.189	0.183	0.164	0.408	LJT SJT TV only			0.204	0.149	NS	NS
418-818-2200S-02	0.028	0.157	JT connectors only					0.438	0.348	0.366	0.297	JT connectors only			
418-1077-2200S-02	0.027	0.290	0.241	0.267	0.252	0.246	0.226	0.471	LJT SJT TV only			0.267	0.212	NS	NS
418-1086-2200S-02	0.019	0.340	0.265	0.291	0.276	0.270	0.250	0.495	LJT SJT TV only			0.291	0.236	0.078	NS

Pin size 20	C	B	D	D	D	D	D	D	D	D	D	D	D	D	D
418-916-2000P-02	0.024	0.100	NS	NS	NS	NS	NS	0.230	0.141	0.159	0.090	NS	NS	NS	NS
418-1226-2000P-02	0.020	0.125	0.129	0.155	0.140	0.134	0.115	0.359	0.270	0.288	0.219	0.155	NS	NS	NS
418-926-2000P-02	0.048	0.116	0.226	0.252	0.237	0.231	0.212	0.456	3.670	0.385	0.316	0.232	0.197	NS	NS
418-1086-2000P-02	0.039	0.340	0.265	0.290	2.750	0.269	0.250	0.494	0.405	0.423	0.353	0.290	0.235	0.077	NS
418-1205-2000P-02	0.028	0.196	0.309	0.333	0.320	0.314	0.295	0.539	0.450	0.468	0.399	0.330	0.280	0.122	0.091
418-1229-2000P-02	0.048	0.157	0.377	0.403	0.388	0.382	0.363	0.607	0.518	0.536	0.467	0.403	0.348	0.19	0.159
418-929-2000P-02	0.045	0.315	0.386	0.412	3.670	0.391	0.372	0.616	5.270	0.545	0.476	0.412	0.357	0.199	0.168

Socket Size 20	C	B	D	D	D	D	D	D	D	D	D	D	D	D	D
418-818-2000S-02	0.028	0.157	JT Connectors only					0.174	0.084	0.102	NS	JT Connectors only			
418-1086-1600S-02	0.039	0.340	0.265	0.291	0.276	0.270	0.250	0.495	LJT SJT TV only			0.291	0.236	0.078	NS
418-1205-2000S-02	0.028	0.197	0.302	0.328	0.313	0.307	0.287	0.532	LJT SJT TV only			0.328	0.273	0.115	0.084

Pin Size #16	C	B	D	D	D	D	D	D	D	D	D	D	D	D	D
418-926-1600P-02	0.048	0.116	0.226	0.252	0.237	0.231	0.212	0.456	0.367	0.385	0.316	0.252	0.197	NS	NS
418-1086-1600P-02	0.039	0.340	0.264	0.290	0.275	0.269	0.250	0.494	0.405	0.423	0.353	0.290	0.235	0.077	NS
418-1229-1600P-02	0.048	0.157	0.377	0.403	0.388	0.382	0.363	0.607	0.518	0.536	0.467	0.403	0.348	0.19	0.159
418-926-1600P-02	0.045	0.315	0.386	4.120	0.397	0.391	0.372	0.616	0.527	0.545	0.476	0.412	0.357	0.199	0.168

Socket Size #16	C	B	D	D	D	D	D	D	D	D	D	D	D	D	D
418-1086-1600S-02	0.041	0.340	0.265	0.291	0.276	0.270	0.250	0.495	LJT SJT TV only			0.291	0.236	0.078	NS

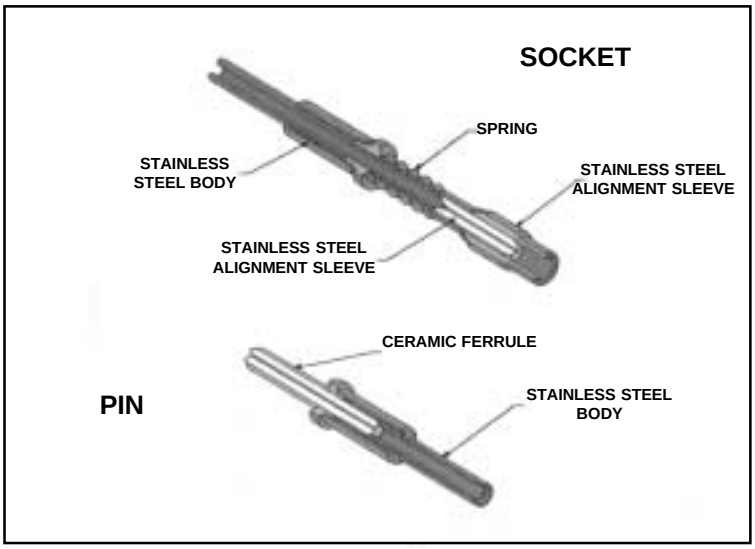
"NS" Designates no stick out. # Designates Shell Size
To ensure grommet sealing - stickout dimensions should be equal to or greater than contact tail length

Multi-mode termini, size 16

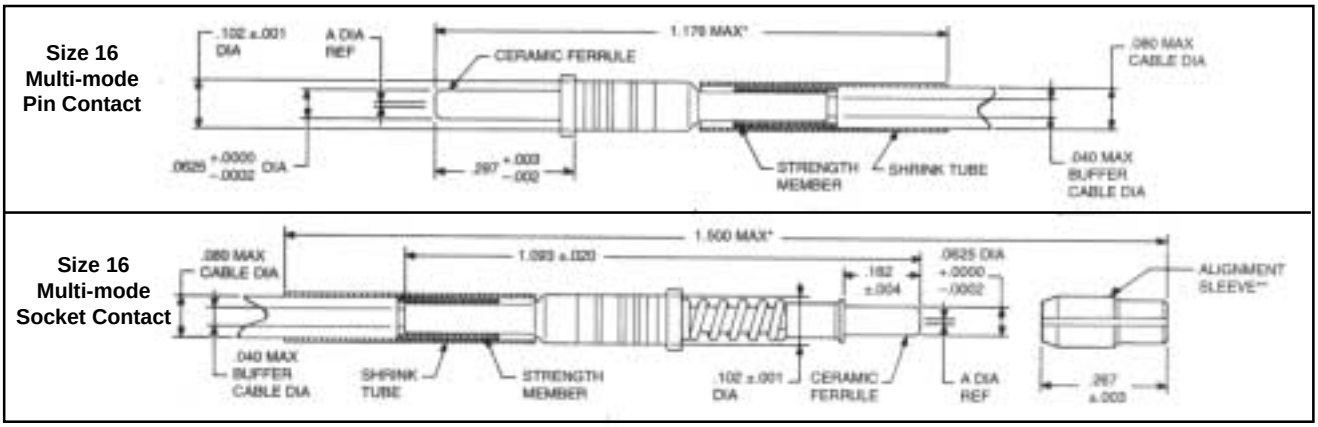
for multi-channel cylindrical fibre optic connectors features, how to order

Amphenol® Multi-mod16 Termini Features and Performance Levels:

- Ceramic alignment ferrule which precisely positions the fibre within the termini.
- Stainless steel alignment sleeve, assembled on the socket after polishing insures accurate fibre to fibre alignment (a ceramic alignment sleeve is also available).
- Typical insertion loss for 100/140fibre with .2NA at 820nm is .5 to .7 dB using Air Gap (AG) polish Use of the ceramic ferrule and sleeve maximises the ability to hold extremely tight dimensional tolerances while maintaining accurate concentricity, thus providing superior and consistent optical loss performance.
- Termination accomplished using the industry proven epoxy/polish method. Can be polshed Air Gap (AG)) or Physical Contact (PC).
- Socket cleaning optional. Consult Amphenol, for termini cleaning tool.



Multi-mode Size 16 Fibre Optic Termini



Amphenol® Multi-Channel fibre optic connectors are supplied less contacts. Order multi-mode termini by Amphenol part number designation or MIL-29504 designation as shown in the charts below.

* Indicated dimension when fully assembled.
** Alignment sleeve shipped unassembled

Fibre Size• Core Cladding Dia (Microns)	Size 16 Socket	Size 16 Pin	A Dia Ref	
			Inches	Microns
50/125 62.5/125	CF-198035-010	CF-198036-010	.0050	127
100/140	CF-198035-017	CF-198036-017	.0057	145
100/140/172	CF-198035-029	CF-198036-029	.0069	175
100/140/172	CF-198035-29A	CF-198036-29A	.0068	173.5
200/230	CF-198035-053	CF-198036-053	.0093	236
200/240	CF-198035-057	CF-198036-057	.0097	245
200/280	CF-198035-074	CF-198036-074	.0114	290
200/300	CF-198035-080	CF-198036-080	.0120	305

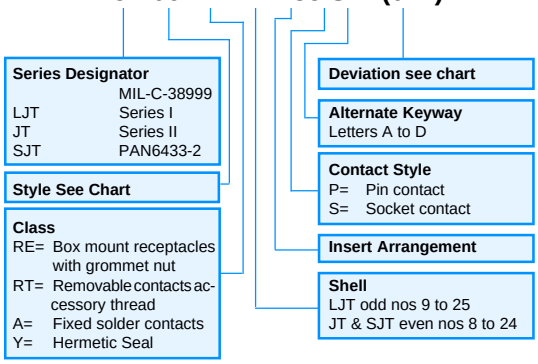
M29504 Part Number		Reference Amphenol Part Number	
Socket	Pin	Socket	Pin
M29504/5-4046	M29504/4-4040	CF-198035-10	CF-198036-10
M29504/5-4050	M29504/4-4044	CF-198035-17	CF-198036-17

• Additional sizes available upon request

Power contacts can be purchased separately.

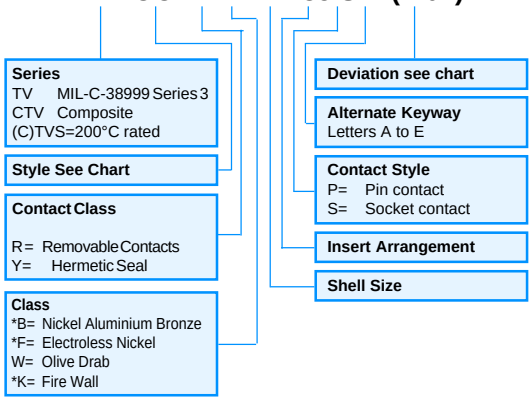
How to order

LJT 06 RT**-11-35 S A (014)



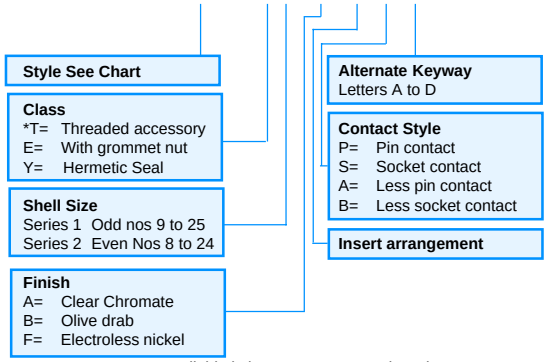
* Note: Add S to TV on F class connectors
** For Hermetic connectors drop RT and replace with Y

TV POO R W**-11-35 S A (W02)



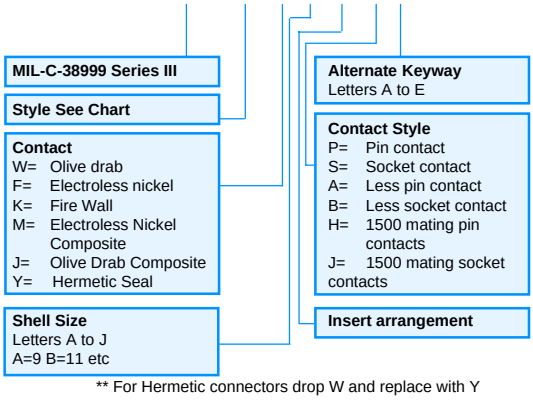
* Note: 200°C rated use "S" in part number
** For Hermetic connectors drop RW and replace with Y

MS27467 T**-11B-35 S A



* Not available in box mount receptacle style
** For Hermetic connectors drop T and replace with Y

D38999 26 W** A 35 S A



** For Hermetic connectors drop W and replace with Y

A	B	C	D	E	F	G	H	J	MIL Shell Size
9	11	13	15	17	19	21	23	25	AMPHENOL Shell Size

Style Chart Series 1

Style	LJT	MS Series 1	BS Series	HE308
Wall mount receptacle	00	27466	C6160	00
Back wall mount receptacle	PQ00	27656	C6163	
Box mount receptacle	02	27496	C6162	
Long box mount receptacle	02 (053)	-	-	
Jam nut	07	27468	C6167	07
Back box receptacle	P02	27505	C6164	
Grounded plug	06	27467	C6166	06
Hermetic Rec. Wall Mount	00	27469	-	-
Hermetic Jam Nut Rec.	07	27470	-	-
Hermetic Solder Mount Rec.	01	27471	-	-

Style Chart Series 2

Style	JT	Pan	BS series 2	MS series 2	HE309
Wall mount receptacle	00	-	C2022	27472	
Back wall mount receptacle	PQ00	B	C2023	27497	03
Box mount receptacle	02	-	C2251	27499	
Long box mount receptacle	02 (053)	-	C2552	27513	
Jam nut	07	A	C2024	27474	07
Back box receptacle	P02	E	C2253	27508	
Plug	06	F	C2020	27473	06
Grounded plug	G06	FG	C2021	27484	G06
Hermetic Wall Mount Rec.	00	-	-	27475	-
Hermetic Box Mount Rec.	02	-	-	27476	-
Hermetic Solder Mount Rec.	1Y	-	-	27478	-
Hermetic Jam Nut Rec.	07	-	-	27477	-

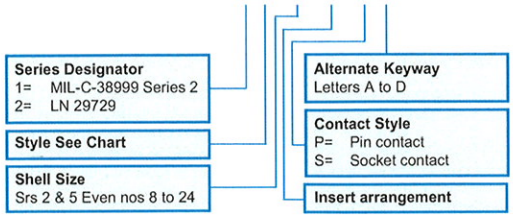
Style Chart Series 3

Style	TV	D38999	BS Series 3	JN1034
Back wall mount receptacle	(S) P00	20	C6170	A
Jam nut	(S) 07	24	C6177	B
Back box reptacle	(S) P02	-	-	F
Grounded plug	(S) 06	26	C6176	C
Lanyard release	FBR	31	-	E
Hermetic Box Mount Rec.	02Y	21	-	-
Hermetic Jam Nut Rec.	07Y	23	-	-
Hermetic Solder Mount Rec.	1Y	25	-	-

Style Chart Series SJT

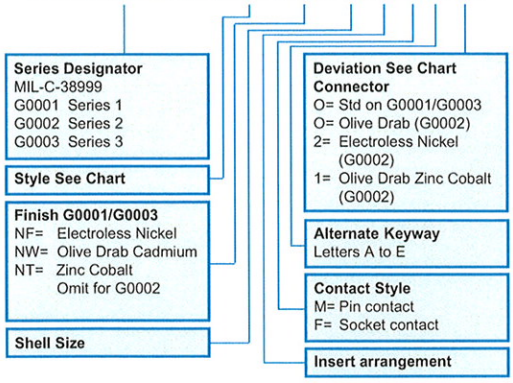
Style	SJT	PAN	JN1003	VG96912
Wall mount receptacle	00	-	-	-
Back wall mount receptacle	00	B	B	A
Box mount receptacle	02	-	-	-
Jam nut	07	A	-	B
Plug	06	F	-	E
Grounded plug	G06	FG	FG	D
Hermetic Solder Mount Rec.	1Y	-	E	C
Hermetic Jam Nut Rec.	07Y	-	-	-

PAN6433 1 F-10-35 S A

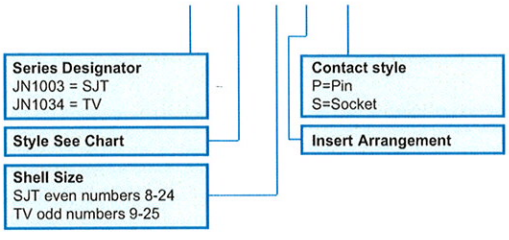


Note: All PAN6433 Connectors are olive drab plated

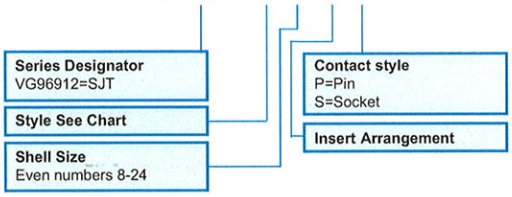
BS 9520G0003 C6176 NW 11 35 F N O

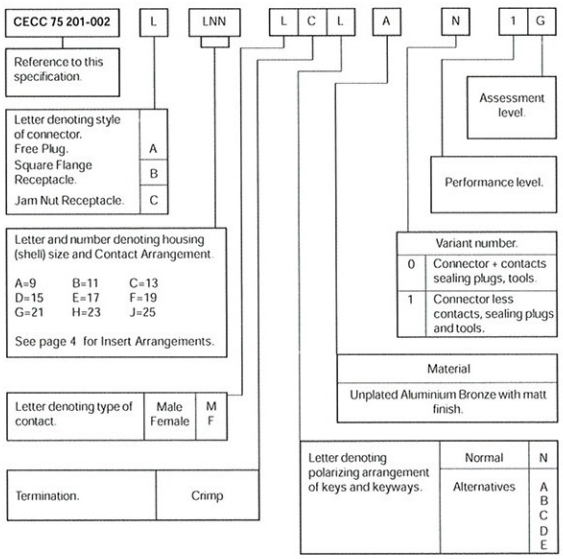


SN-WITH CONTACTS
JN1034AXXXXSNL LESS CONTACTS
JN1034A-F 10 35 SN1 - WITH CONTACTS



VG96912-A 10 35 S





L=Letter N=Number
Eg. CECC 75 201-002 AB35 MCN AOIG
Free Plug Size 11, 13 Way, Crimp Pin Contacts, Normal Orientation, Including Contacts, Seal Plugs and Tools
Performance Level 1, Assessment Level G.

Deviation List

LJT/JT TV/SJT	Description
* Blank	Clear Chromate Plating
*014	Olive Drab Cadmium Over Electroless Nickel Plating
*023	Electroless Nickel Plating
*386	014 + Cable Clamp
*424	023 + Cable Clamp
L/C	Less Contacts
*SR	Clear Chromate + Cable Clamp
W02	Drilled & Tapped Square Flange
W03	Clear Chromate + Heavy Duty Coupling Ring - LJT
W08	014 + Heavy Duty Coupling Ring + Less Contacts
W09	014 + Heavy Duty Coupling Ring
W12	023+Heavy Duty Coupling Ring - LJT
W14	Snatch Plug-LJT/JT
W52	Olive Drab Zinc Cobalt

* Applicable to LJT and JT part numbers only