

**CONNECTOR
DESIGNATOR**

J

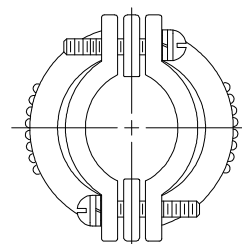
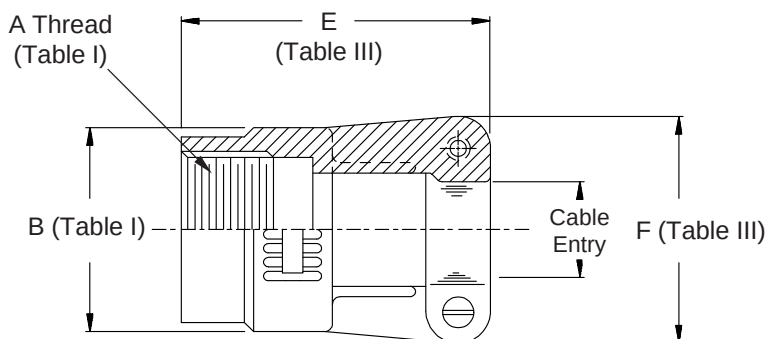
DIRECT COUPLING

620JS001 M 18

Basic Part No. _____

Finish (Table II) _____

Shell Size _____



See inside back cover fold-out or pages 13 and 14 for Tables I and II.

TABLE III: CABLE ENTRY						
Shell Size	E		F		Cable Entry Max	
08	1.340	(34.0)	.750	(19.1)	.125	(3.2)
10	1.340	(34.0)	.937	(23.8)	.250	(6.4)
14	1.340	(34.0)	1.125	(28.6)	.500	(12.7)
16	1.340	(34.0)	1.187	(30.1)	.625	(15.9)
18	1.340	(34.0)	1.312	(33.3)	.750	(19.1)
20	1.420	(36.1)	1.437	(36.5)	.875	(22.2)
22	1.420	(36.1)	1.562	(39.7)	1.000	(25.4)
24	1.420	(36.1)	1.687	(42.8)	1.125	(28.6)

1. Cable Entry is defined as the accommodation entry for the wire bundle or cable. Dimensions are not intended for inspection criteria.
2. Metric dimensions (mm) are indicated in parentheses.

TABLE I - BACKSHELL INTERFACE DIMENSIONS																
CONNECTOR DESIGNATOR											A THREAD*	B	C	D	E	
A	C*	D	E	F	G	H	J	K	L	S	REFERENCE	DIA MAX	DIA MAX	DIA MAX	DIA MAX	
		08	08	08 [9]				08	08	08	7/16 – 28 UNEF	.590 (15.)	.650 (16.5)	.770 (19.6)	.690 (17.5)	
						09 [A]					M12 x 1 – 6H	.650 (16.5)	.770 (19.6)		.940 (24.8)	
08							08 [A]	10			1/2 – 20 UNF	.650 (16.5)	.650 (16.5)		.690 (17.5)	
											1/2 – 28 UNEF	.650 (16.5)	.770 (19.6)	.770 (19.6)		
03		10	10	10 [11]				11	10	10	9/16 – 24 UNEF	.720 (18.3)	.770 (19.6)	.890 (22.6)	.820 (20.8)	
						11 [B]					M15 x 1 – 6H	.770 (19.6)	.820 (20.8)		1.060 (26.9)	
10								12 [13]			5/8 – 24 UNEF	.770 (19.6)	.770 (19.6)	.890 (22.6)	.820 (20.8)	
							10 [B]				5/8 – 28 UN	.770 (19.6)	.890 (22.6)			
		12		12 [13]					12	12	11/16 – 24 UNEF	.840 (21.3)	.890 (22.6)	1.020 (25.9)	.940 (23.8)	
						13 [C]					M18 x 1 – 6H	.890 (22.6)	.940 (23.9)		1.170 (29.7)	
12 [7]	12		12		11 [A]			14 [15]			3/4 – 20 UNEF	.970 (24.6)	.940 (23.9)	1.020 (25.9)	.940 (23.8)	
		14	14	14 [15]					14	14	13/16 – 20 UNEF	.970 (24.6)	1.020 (29.2)	1.150 (29.2)	1.060 (26.9)	
						15 [D]					M22 x 1 – 6H	1.030 (26.2)	1.070 (26.2)		1.290 (32.7)	
14 [12]	14				13 [B]			16 [17]			7/8 – 20 UNEF	1.090 (27.7)	1.020 (25.9)	1.150 (29.2)	1.060 (26.9)	
							14 [D]				7/8 – 28 UN	1.030 (26.2)	1.150 (29.2)			
		16	16	16 [17]					16	16	15/16 – 20 UNEF	1.090 (27.7)	1.150 (29.2)	1.260 (32.0)	1.170 (29.7)	
						17 [E]					M25 x 1 – 6H	1.150 (29.2)	1.210 (30.7)		1.420 (36.1)	
16 [19]	16				15 [C]			18			1 – 20 UNEF	1.220 (29.2)	1.210 (30.7)	1.230 (31.2)	1.170 (29.7)	
							16 [E]				1 – 28 UN	1.150 (29.2)	1.360 (34.5)			
18 [27]		18	18	18 [19]					18	18	1 1/16 – 18 UNEF	1.220 (31.0)	1.230 (31.2)	1.400 (35.6)	1.290 (32.7)	
						19 [F]					M28 x 1 – 6H	1.280 (32.5)	1.360 (34.5)		1.540 (39.1)	
	18				17 [D]			20			1 1/8 – 18 UNEF	1.340 (34.0)	1.360 (34.5)	1.360 (34.5)		
							18 [F]				1 1/8 – 28 UN	1.280 (32.5)	1.480 (37.6)			
20 [37]		20	20	20 [21]					20	20	1 3/16 – 18 UNEF	1.340 (34.0)	1.360 (34.5)	1.530 (38.9)	1.420 (36.0)	
						21 [G]					M31 x 1 – 6H	1.410 (35.8)	1.480 (37.6)		1.670 (42.4)	
	20				19 [E]			22			1 1/4 – 18 UNEF	1.470 (37.3)	1.530 (38.9)	1.480 (37.6)		
							20 [G]				1 1/4 – 28 UN	1.410 (35.8)	1.600 (40.6)			
22		22	22	22 [23]					22	22	1 5/16 – 18 UNEF	1.470 (37.3)	1.480 (37.6)	1.600 (40.6)	1.540 (39.1)	
						23 [H]					M34 x 1 - 6H	1.530 (38.9)	1.600 (40.6)		2.010 (51.1)	
	22							24			1 3/8 – 18 UNEF	1.590 (40.4)		1.600 (40.6)		
							22 [H]				1 3/8 – 28 UN	1.530 (38.9)	1.730 (43.9)			
24		24	24	24 [25]	23 [F]				24	24	1 7/16 – 18 UNEF	1.590 (40.4)	1.730 (43.9)	1.940 (49.3)	1.660 (42.2)	
						25 [J]					M37 x 1 – 6H	1.660 (42.2)	1.700 (43.2)		2.120 (53.8)	
61							24 [J]				1 1/2 – 18 UNEF	1.660 (42.2)	1.670 (42.4)			
											1 1/2 – 28 UN	1.660 (42.2)	1.940 (49.3)			
					25 [G]						1 9/16 – UNEF		1.820 (46.2)			
	24							28			1 5/8 – UNEF	1.840 (46.7)		1.940 (49.3)		
28											1 3/4 – 18 UNS	1.970 (50.0)	1.970 (50.0)		2.010 (51.1)	
	28				29 [H]			32			1 7/8 – 16 UN	2.090 (53.1)	2.190 (55.6)	2.190 (55.6)		
32											2 – 18 UNS	2.280 (57.9)	2.220 (56.4)		2.260 (57.4)	
	32				33 [J]						2 1/16 – 16 UNS	2.340 (59.4)	2.440 (62.0)	2.440 (62.0)		
								36			2 1/8 – 16 UN	2.340 (59.4)		2.440 (62.0)		
36											2 1/4 – 16 UN	2.530 (64.3)	2.47 (62.7)		2.530 (64.3)	
	36										2 5/16 – 16 UNS	2.590 (65.8)		2.690 (68.3)		
								40			2 3/8 – 16 UN	2.590 (65.8)		2.690 (68.3)		
40											2 1/2 – 16 UN	2.780 (70.6)	2.720 (69.1)		3.040 (77.2)	
	40										2 5/8 – 16 UN	2.910 (73.9)		2.930 (74.4)		
44											2 3/4 – 16 UN	3.030 (77.0)	2.970 (75.4)			
	44										2 7/8 – 16 UN	3.160 (80.3)				
48											3 – 16 UN	3.220 (81.8)	3.220 (81.8)			
	48										3 1/16 – 16 UN	3.410 (86.6)				

* Code C, MIL-C-22992, Left-Hand Thread. Connector designations depicted thus [] are for reference only and are not to be used in part number development.

BACKSHELL INTERFACE STANDARDS (See pages 15-17 for more information)													
DESIG. SPEC.	SERIES	DESIG. SPEC.	SERIES	DESIG. SPEC.	SERIES	DESIG. SPEC.	SERIES	DESIG. SPEC.	SERIES	DESIG. SPEC.	SERIES	DESIG. SPEC.	SERIES
A	MIL-DTL-5015 MS3400	A	PATT 602	G	MIL-C-28840	L	EN3372						
	MIL-DTL-26482 2	B	MIL-DTL-5015 MS3100	H	MIL-DTL-38999 III & IV		JN 1003						
	AS81703 3	C	MIL-C-22992 MS173XX		EN3645		LN 29729						
	MIL-DTL-83723 I & III	D	MIL-DTL-26482 1	J	MIL-C-81511 1, 2, 3 & 4		NFC93422	HE306					
	40M39569	E	MIL-DTL-26500 Aluminum		VG95329		PAN 6433-2						
	DEF 5326-3	F	MIL-DTL-38999 I & II	K	MIL-DTL-83723 II		PATT 615						
	EN 2997, 3646		40M38277				VG 96912						
	ESC 10, 11		PAN 6433-1				PATT 105						
	LN 29504		PATT 614				PATT 603						
	NFC93422 HE302		PATT 616				PATT 608						
	PAN 6432-1, -2		NFC93422 HE308, 9										