



Table I - Connector Designator Reference Code Table - Sigmaform Backshells Only

Desig.	Specification	Series	Desig.	Specification	Series
A	MIL-C-5015 Mates To Endbell, V Threads	MS3100	D	MIL-C-83723	II
B	MIL-C-5015 "D" Classes A, E & R	MS3100	E	MIL-C-38999	III & IV
C	MIL-C-5015		F	MIL-C-38999 40M38277	I & II
	MIL-C-26482		NFC93422	HE308	
	MIL-C-81703		NFC93422	HE309	
	MIL-C-83723		PAN6433-1		
	40M39569		PATT614		
	DEF5326-3		PATT616		
	LN29504		G	MIL-C-81511	I, II, III, & IV
	NFC93422		H	MIL-C-22992	R
	PAN6432-1		J	MIL-C-28840	
	PAN6432-2		N	MIL-C-26482	I
PATT602	R	MIL-C-26500	Alum		

Table II - Material/Finish Table

Finish Symbol	Material/Finish Description
10	Stainless Steel/Passivate Per QQ-P-35
53	Aluminum Alloy/Cadmium Plate, Bright, Over Electroless Nickel
55	Aluminum Alloy/Cadmium Olive Drab Over Electroless Nickel
56	Aluminum Alloy/Electroless Nickel Per MIL-C-26074, Class 3 or 4, Minimum .001 Thick

**Table III -
Connector Interface Dimensions
Sigmaform Backshells Only**



Order No.	A Unified Thread	B Dia Max	C Dia Max	CONNECTOR INTERFACE PER TABLE I, PAGE 84																	
				A	B ⁴	C	D	E ³	F	G	H ²	N	R	T	U						
01	.375-32	.531 (13.5)	.750 (19.1)		8S(B)																
02	.434-36	.594 (15.1)	.812 (20.6)																		8
03	.438-27	.594 (15.1)	.812 (20.6)		8S(A)																
04	.438-28	.594 (15.1)	.812 (20.6)		8S(C)			8S		8,9				8	8						
05	.500-20	.656 (16.7)	.875 (22.2)				8														
06	.500-28	.656 (16.7)	.875 (22.2)	8S, 10S	10S			10S			8,A										
07	M12X1.0	.656 (16.7)	.719 (18.3)						9,A												
08	.562-24	.719 (18.3)	.844 (21.4)		10SL(C)		3	10SL		10,11				10	10						10
09	.563-36	.719 (18.3)	.844 (21.4)																		
10	.625-24	.781 (19.8)	1.000 (25.4)	10SL, 12, 12S	10SL(AB), 12, 12S(BC)		10, 10S 10SL	12, 12S													
11	.625-28	.781 (19.8)	1.000 (25.4)								10,B										
12	M15X1.0	.781 (19.8)	.844 (21.4)						11,B												
13	.688-24	.844 (21.4)	1.062 (27.0)		12, 12S(A)					12,13				12							
14	.733-36	.906 (23.0)	1.125 (28.6)																	12	
15	.750-20	.906 (23.0)	1.125 (28.6)	14, 14S	14, 14S	12, 12S	14,14S				12			12						11,A	
16	M18X1.0	.906 (23.0)	.969 (24.6)						13,C												
17	.803-36	.969 (24.6)	1.188 (30.2)																	14	
18	.812-20	.969 (24.6)	1.188 (30.2)							14,15				14	14						
19	.875-20	1.031 (26.2)	1.250 (31.8)	16, 16S	16, 16S	14,14S	16,16S				14										13,B
20	.875-28	1.031 (26.2)	1.250 (31.8)								14,D										
21	M22X1.0	1.031 (26.2)	1.094 (27.8)						15,D												
22	.930-36	1.094 (27.8)	1.312 (33.3)																	16	
23	.938-20	1.094 (27.8)	1.312 (33.3)							16,17				16	16						
24	1.000-20	1.156 (29.4)	1.375 (34.9)	18	18	16,16S	18				16										15,C
25	1.000-20	1.156 (29.4)	1.375 (34.9)								16,E										
26	M25X1.0	1.156 (29.4)	1.219 (31.0)						17,E												
27	1.036-36	1.219 (31.0)	1.438 (36.5)																	18	
28	1.062-18	1.219 (31.0)	1.438 (36.5)				18			18,19				18	18						
29	1.125-18	1.281 (32.5)	1.500 (38.1)		20		20				18										17,D
30	1.125-24	1.281 (32.5)	1.500 (38.1)		20(R)																
31	1.125-28	1.281 (32.5)	1.500 (38.1)								18,F										
32	M28X1.0	1.281 (32.5)	1.344 (34.1)						19,F											20	
33	1.161-36	1.344 (34.1)	1.562 (39.7)																		
34	1.188-18	1.344 (34.1)	1.562 (39.7)	20, 22		20				20,21				20	20						19,E
35	1.250-18	1.406 (35.7)	1.625 (41.3)		22		22				20										
36	1.250-28	1.406 (35.7)	1.625 (41.3)								20,G										
37	M31X1.0	1.406 (35.7)	1.562 (39.7)						21,G												
38	1.286-36	1.469 (37.3)	1.688 (42.9)																	22	
39	1.312-18	1.469 (37.3)	1.688 (42.9)				22			22,23				22	22						
40	1.375-18	1.531 (38.9)	1.750 (44.5)		24		24				22										
41	1.375-28	1.531 (38.9)	1.750 (44.5)								22,H										
42	M34X1.0	1.531 (38.9)	1.594 (40.5)						23,H											24	
43	1.411-36	1.594 (40.5)	1.812 (46.0)																		
44	1.438-18	1.594 (40.5)	1.812 (46.0)	24, 28		24				24,25				24	24						23,F
45	1.500-18	1.656 (42.1)	1.875 (47.6)			61															
46	1.500-28	1.656 (42.1)	1.875 (47.6)								24,J										
47	M37X1.0	1.656 (42.1)	1.750 (44.5)						25,J												
48	1.562-18	1.719 (43.7)	1.938 (49.2)																		25,G
49	1.625-18	1.844 (46.8)	2.031 (51.6)		28		28				24										
50	1.661-36	1.844 (46.8)	2.031 (51.6)																	28	
51	1.750-18	1.906 (48.4)	2.125 (54.0)	32		28															

1. Unless otherwise specified, Threads are in accordance with FED-STD-H28, right hand, class 2B.
2. Threads noted are left hand, class 2B.
3. Threads noted are ISO Metric, class 6H.
4. Code B shell size designator is followed in parenthesis by connector manufacturer code:
 A = Amphenol, Class A
 B = Bendix, Classes A, E, & R
 C = Cannon, Classes A, E, & R
 R = Amphenol, Class R
5. Metric dimensions (mm) are indicated in parentheses.