

Amphenol



Amphenol

MIL-DTL-26482

SERIES 2 CONNECTORS

ACSE206-05-14

(QPL APPROVED)



Introduction

This catalog covers the Amphenol MIL-DTL-26482, Series 2 Connectors. These connectors are bayonet coupling type, and they feature crimp contacts that are rear insertable and rear releasable. They can be ordered through Amphenol, by military or equivalent proprietary part numbers.

The connectors covered in this catalog broaden the miniature cylindrical family offered by Amphenol, so that now users have the broadest range of product available to them.

Should more information be required concerning the connectors covered in this publication, or if special application needs arise, please contact factory :

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Amphenol Miniature Cylindrical MIL-DTL-26482, Series 2 Connectors



MS 3470
IMB1-0
wall mounting receptacle
with narrow flange



MS 3472
IMB1-2
wall mounting receptacle
with wide flange



MS 3471
IMB1-1
cable connecting receptacle



MS 3474
IMB1-4
jam nut receptacle



MS 3476
IMB1-6
straight plug

MS 3475
IMB1-5
plug with RFI grounding
fingers

Amphenol broadens their Miniature Cylindrical Family of Connectors with the addition of the product line of MIL-DTL-26482, Series 2 connectors.

This series provides a bayonet coupling connector with crimp rear insertable, rear releasable contacts.

DESIGN CHARACTERISTICS

- Medium size, environmentally resistant connector
- Recommended operating voltage to 1000 VAC (RMS) at sea level
- Quick positive coupling assured by 3 point bayonet coupling system
- Visual confirmation of complete coupling
- Eliminates mismatching by the use of five key/keyway design
- Insertion and removal of contacts from the rear of the connectors assures no damage to the front that might affect the sealing characteristics
- Utilizes same standard qualified rear release type plastic tool for contact insertion and removal
- Contacts are qualified to SAE AS 39029 requirements - BIN coded (three colour bands), and are crimped with standard crimp tools per MIL-C-22520
- Grommets are constructed of tear-resistant elastomer and experience no degradation when exposed to a broad range of fluids
- Sealing over a range of wire diameters is assured by a triple webbed grommet at the rear of the connector
- Closed entry socket side of the insert is designed with a lead-in chamfer and a hard face that will accept a pin contact bent within pre-established limits
- Elastomer interfacial seal on the pin side has raised barriers around each pin which displace into the socket chamfer when mated, providing a positive moisture seal
- **CUSTOMER OPTIONS**
Shell styles within this family include:
 - Wall mount with either a narrow or a wide flange, jam nut single hole mount, and cable connecting receptacles, along with standard plugs or plugs with RFI grounding fingers, in shell sizes 8 to 24
 - MS and Proprietary versions available
 - Accommodation of contact sizes 20, 16 and 12
 - 34 insert arrangement patterns available, accommodating from a minimum of 3 to a maximum of 55 circuits
 - Alternate positioning available
 - Various finishes are available (for information on non-cadmium zinc cobalt plating, consult factory)

Amphenol Miniature Cylindrical MIL-DTL- 26482, Series 2 Connectors

class descriptions, performance specifications

CLASS DESCRIPTIONS

Military MIL-DTL-26482, Series 2	Description
Class L	Aluminum shell, electroless nickel finish, fluid resistant
Class E	Inactive, superceded by Class L*
Class R	Inactive, superceded by Class L*
Class A	Aluminum shell, black non-conductive anodized finish, fluid resistant
-	Proprietary class G - Stainless steel shell, passivated, fluid resistant
Class W	Aluminum shell, olive drab cadmium plated, corrosion/fluid resistant

* Ref. MIL-DTL-26482

PERFORMANCE SPECIFICATIONS

SERVICE RATINGS**

Service Rating	Recommended Operating AC Voltage at Sea Level	Test Voltage AC (RMS), 60 cps			
		Sea Level	50,000 ft.	70,000 ft.	110,000 ft.
I	600	1,500	500	375	200
II	1,000	2,300	750	500	200

** Service rating is comparable to MS rating A. Miniature connectors rated Service Rating I will provide a minimum flashover voltage at sea level of 2000 volts AC (RMS). Service rating II is comparable to MS Service Rating D, and will provide a minimum flashover voltage of 2,800 volts AC (RMS) at sea level.

Please note that the electrical data given is not an establishment of electrical safety factors. This is left entirely in the designer's hands, as he can best determine which peak voltage, switching surges, transients, etc. can be expected in a particular circuit.

OPERATING TEMPERATURE RANGE

-55° C to 200° C

ENVIRONMENTAL SEAL

Wired, mated connectors with the specified accessory attached will meet the altitude immersion test specified in MIL-DTL-26482.

DURABILITY

Minimum of 500 mating cycles.

SHOCK AND VIBRATION REQUIREMENTS

When tested as follows, the connector shall sustain no physical damage, or electrical discontinuity exceeding one microsecond.

SHOCK

Pulse of an approximate half sine wave of 300g magnitude with duration of 3 milliseconds applied in 3 axes

VIBRATION

Sixteen hours of random vibration having a range of 50 to 2,000 Hz with a 41.7G peak level



DEFENSE LOGISTICS AGENCY
LAND AND MARITIME
P.O. BOX 3000
COLUMBIA, OHIO 45618-3000

May 7, 2011

Amphenol Interconnect India Pvt. Ltd.
105, H. K. Road, Indraprastha,
Pune 411 026, INDIA

Re: Notification of Qualification WIL-711-26482; FSC 5915; Letter Number WQD-1-027982; Control Number 342698

This office has received your qualification report (Task Report No. 26482-342698-1) for M29482, Series P, A, for the use, in a report was found to meet the requirements of WIL-711-26482. The next revision of QPL 25152 will reflect the following additions:

Supplier: Amphenol Interconnect India Pvt. Ltd. Government Designation: MS3470 Manufacturer Designation: IMB1-61 Class: A, L, W Contact Style: P, S Shell: 8 Insert: 33, 98 Shell: 10 Insert: 6 Shell: 12 Insert: 3, 16 Shell: 14 Insert: 5, 12, 13, 19 Shell: 16 Insert: 8, 26 Shell: 18 Insert: 32 Shell: 20 Insert: 41 Shell: 22 Insert: 55 Shell: 24 Insert: 31, 61 Test or Qualification Reference: 26482-342698-1	Supplier: Amphenol Interconnect India Pvt. Ltd. Government Designation: MS3471 Manufacturer Designation: DCD1-11 Class: A, L, W Contact Style: P, S Shell: 8 Insert: 33, 98 Shell: 10 Insert: 6 Shell: 12 Insert: 3, 16 Shell: 14 Insert: 5, 12, 13, 19 Shell: 16 Insert: 8, 26 Shell: 18 Insert: 32 Shell: 20 Insert: 41 Shell: 22 Insert: 55 Shell: 24 Insert: 31, 61 Test or Qualification Reference: 26482-342698-1
Supplier: Amphenol Interconnect India Pvt. Ltd. Government Designation: MS3472 Manufacturer Designation: IMB1-61 Class: A, L, W Contact Style: P, S Shell: 8 Insert: 33, 98 Shell: 10 Insert: 6 Shell: 12 Insert: 3, 16 Shell: 14 Insert: 5, 12, 13, 19	Supplier: Amphenol Interconnect India Pvt. Ltd. Government Designation: MS3473 Manufacturer Designation: DCD1-11 Class: A, L, W Contact Style: P, S Shell: 8 Insert: 33, 98 Shell: 10 Insert: 6 Shell: 12 Insert: 3, 16 Shell: 14 Insert: 5, 12, 13, 19

Shell: 16 Insert: 8, 26 Shell: 18 Insert: 32 Shell: 20 Insert: 41 Shell: 22 Insert: 55 Shell: 24 Insert: 31, 61 Test or Qualification Reference: 26482-342698-1	Shell: 16 Insert: 8, 26 Shell: 18 Insert: 32 Shell: 20 Insert: 41 Shell: 22 Insert: 55 Shell: 24 Insert: 31, 61 Test or Qualification Reference: 26482-342698-1
Supplier: Amphenol Interconnect India Pvt. Ltd. Government Designation: MS3475 Manufacturer Designation: IMB1-61 Class: A, L, W Contact Style: P, S Shell: 8 Insert: 33, 98 Shell: 10 Insert: 6 Shell: 12 Insert: 3, 16 Shell: 14 Insert: 5, 12, 13, 19 Shell: 16 Insert: 8, 26 Shell: 18 Insert: 32 Shell: 20 Insert: 41 Shell: 22 Insert: 55 Shell: 24 Insert: 31, 61 Test or Qualification Reference: 26482-342698-1	Supplier: Amphenol Interconnect India Pvt. Ltd. Government Designation: MS3476 Manufacturer Designation: IMB1-61 Class: A, L, W Contact Style: P, S Shell: 8 Insert: 33, 98 Shell: 10 Insert: 6 Shell: 12 Insert: 3, 16 Shell: 14 Insert: 5, 12, 13, 19 Shell: 16 Insert: 8, 26 Shell: 18 Insert: 32 Shell: 20 Insert: 41 Shell: 22 Insert: 55 Shell: 24 Insert: 31, 61 Test or Qualification Reference: 26482-342698-1
Supplier: Amphenol Interconnect India Pvt. Ltd. Government Designation: MS3486 Manufacturer Designation: MS3486-1 Task Number: 102, 106, 109, 113, 115, 117, 120, 131 Class: A, B, W Manufacturer: A Test or Qualification Reference: 26482-342698-1	

A detailed listing of the Military Specifications (MS) will be listed on the Qualified Products List (QPL) 26482. This qualification is subject to the conditions stated in DoD 1120.24-64 and 520-6. Because we are held responsible for the accuracy and currency of this QPL, please let us know if your company discontinues production of these products. If you have any questions, please contact Mr. Edna Shen by email at edna.shen@usda.mil.

Sincerely,

JOSEPH G. MCKERNAN
Chief
Sourcing and Qualification Division

Miniature Cylindrical MIL-DTL-26482, Series 2

insert arrangements, insert alternate positioning

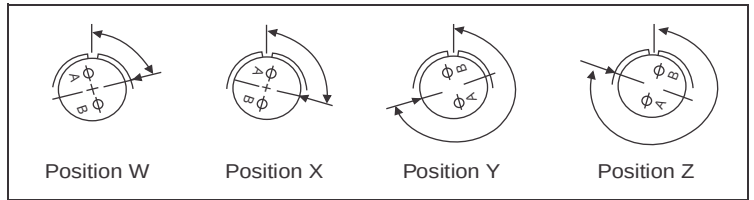
INSERT ARRANGEMENTS

Insert Arrangement	Service Rating	Total Contacts	Contact Size		
			12	16	20
8-33	I	3			3
8-98	I	3			3
10-6	I	6			6
12-3	II	3		3	
12-8	I	8			8
12-10	I	10			10
14-4	I	4	4		
14-5	II	5		5	
14-9	I	9	4		5
14-12	I	12		4	8
14-15	I	15		1	14
14-18	I	18			18
14-19	I	19			19
16-8	II	8		8	
16-23	I	23		1	22
16-26	I	26			26
18-8	I	8	8		
18-11	II	11		11	
18-30	I	30		1	29
18-32	I	32			32
20-16	II	16		16	
20-24	I	24			24
20-39	I	39		2	37
20-41	I	41			41
22-12	I	12	12		
22-19	I	19	19		
22-21	II	21		21	
22-32	I	32			32
22-41	I	41		14	27
22-55	I	55			55
22-95	I	32	6		26
24-19	II	19	19		
24-31	I	31		31	
24-61	I	61			61

INSERT ALTERNATE POSITIONING

To avoid cross-plugging problems in applications requiring the use of more than one connector of the same size and arrangement, alternate rotations are available as indicated in the chart below.

As shown in the diagram, the front face of the pin insert is rotated within the shell in a clockwise direction from the normal shell key. The socket insert would be rotated counter-clockwise the same number of degrees in respect to the normal shell key.



View looking into front face of pin insert or rear of socket insert.

Insert Arrangement	Degrees			
	W	X	Y	Z
8-33	90	-	-	-
8-98	-	-	-	-
10-6	90	-	-	-
12-3	-	-	180	-
12-8	90	112	203	292
12-10	60	155	270	295
14-4	45	-	-	-
14-5	40	92	184	273
14-9	15	90	180	270
14-12	43	90	-	-
14-15	17	110	155	234
14-18	15	90	180	270
14-19	30	165	315	-
16-8	54	152	180	331
16-23	158	270	-	-
16-26	60	-	275	338
18-8	180	-	-	-
18-11	62	119	241	340
18-30	18	193	285	350
18-32	85	138	222	265
20-16	238	318	333	347
20-24	70	145	215	290
20-39	63	144	252	333
20-41	45	126	225	-
22-12	-	-	-	-
22-19	15	90	225	308
22-21	16	135	175	349
22-32	72	145	215	288
22-41	39	135	264	-
22-55	30	142	226	314
22-95	26	180	266	-
24-19	30	165	315	-
24-31	90	225	255	-
24-61	90	180	270	324

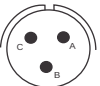
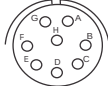
Miniature Cylindrical MIL-DTL-26482, Series 2

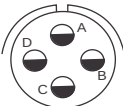
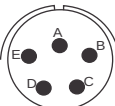
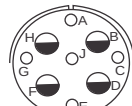
Contact Legend

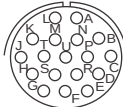
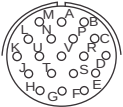
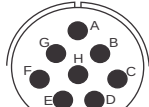
Symbol			
Contact size	20	16	12

insert arrangements

front face of pin insert or rear face of socket insert illustrated

						
Insert Arrangement	8-33	8-98	10-06	12-03	*12-08	12-10
Service Rating	I	I	I	II	I	I
Number of Contacts	3	3	6	3	8	10
Contact Size	20	20	20	16	20	20

					
Insert Arrangement	*14-04	14-05	*14-09	14-12	14-15
Service Rating	I	II	I	I	I
Number of Contacts	4	5	5 4	8 4	14 1
Contact Size	12	16	20 12	20 16	20 16

					
Insert Arrangement	*14-18	14-19	*16-08	*16-23	16-26
Service Rating	I	I	II	I	I
Number of Contacts	18	19	8	22 1	26
Contact Size	20	20	16	20 16	20

*Available on request. Please contact factory.

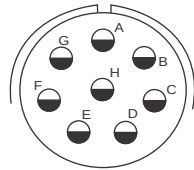
Miniature Cylindrical MIL-DTL-26482, Series 2

Contact Legend

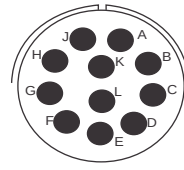
Symbol	○	●	◐
Contact size	20	16	12

insert arrangements

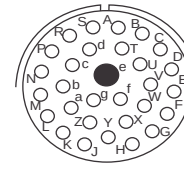
front face of pin insert or rear face of socket insert illustrated



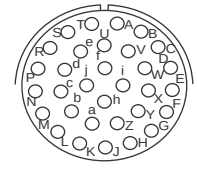
*18-08



*18-11



*18-30



18-32

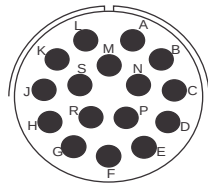
Insert Arrangement
Service Rating
Number of Contacts
Contact Size

I
8
12

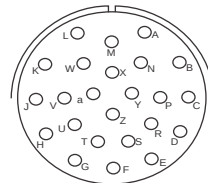
II
11
16

I
29 1
20 16

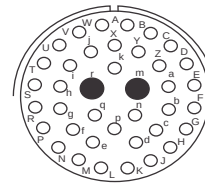
I
32
20



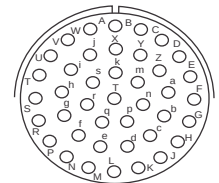
*20-16



*20-24



*20-39



20-41

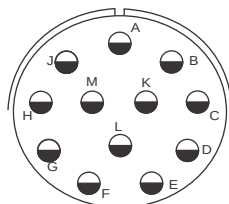
Insert Arrangement
Service Rating
Number of Contacts
Contact Size

II
16
16

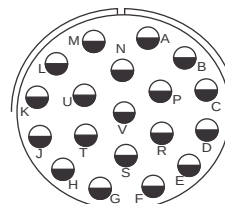
I
24
20

I
37 2
20 16

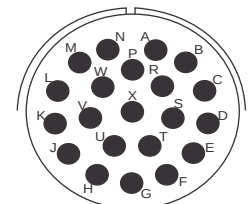
I
41
20



*22-12



*22-19



*22-21

Insert Arrangement
Service Rating
Number of Contacts
Contact Size

I
12
12

I
19
12

II
21
16

*Available on request. Please contact factory.

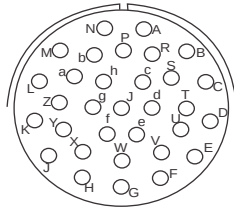
Miniature Cylindrical MIL-DTL-26482, Series 2

Contact Legend

Symbol	○	●	◐
Contact size	20	16	12

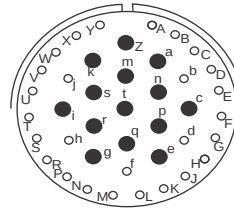
insert arrangements

front face of pin insert or rear face of socket insert illustrated

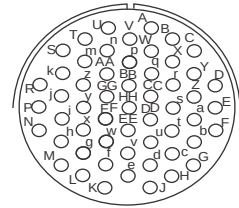


Insert Arrangement
Service Rating
Number of Contacts
Contact Size

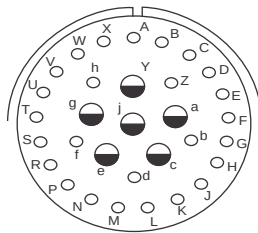
*22-32
I
32
20



*22-41
I
27 14
20 16

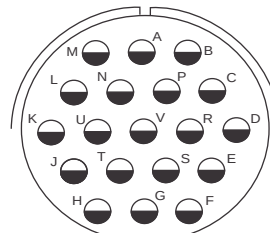


22-55
I
55
20

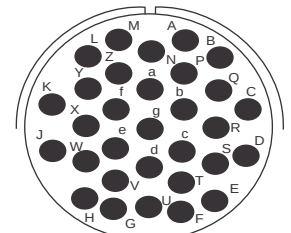


Insert Arrangement
Service Rating
Number of Contacts
Contact Size

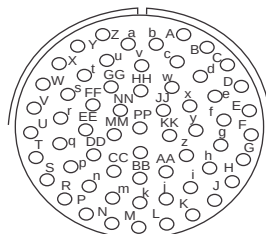
*22-95
I
26 6
20 12



*24-19
II
19
12



24-31
I
31
16



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

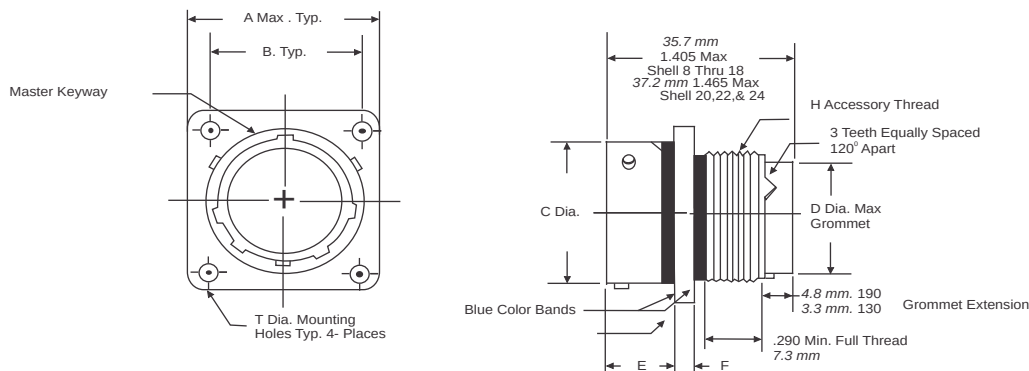
24-61
I
61
20

*Available on request. Please contact factory.

Miniature Cylindrical MIL-C-26482, Series 2 IMB1- 0

Receptacle Shell, Wall Mount with Narrow Flange,
Bayonet Coupling

Military No. MS3470



To complete order number see ordering information, page 14.
Inches

Shell Size	A Max.	B $\pm .005$	C Dia. $\pm .003$	D Dia. Max.	E	F $\pm .016$	H Accessory Thread Class 2A	T $\pm .005$
8	.828	.594	.471	.305	.462/.431	.062	.5000-20 UNF	.120
10	.954	.719	.588	.405	.462/.431	.062	.6250-24 UNEF	.120
12	1.047	.812	.748	.531	.462/.431	.062	.7500-20 UNEF	.120
14	1.141	.906	.873	.665	.462/.431	.062	.8750-20 UNEF	.120
16	1.234	.969	.998	.790	.462/.431	.062	1.0000-20 UNEF	.120
18	1.328	1.062	1.123	.869	.462/.431	.062	1.0625-18 UNEF	.120
20	1.453	1.156	1.248	.994	.587/.556	0.94	1.1875-18 UNEF	.120
22	1.578	1.250	1.373	1.119	.587/.556	0.94	1.3125-18 UNEF	.120
24	1.703	1.375	1.498	1.244	.620/.589	0.94	1.4375-18 UNEF	.147

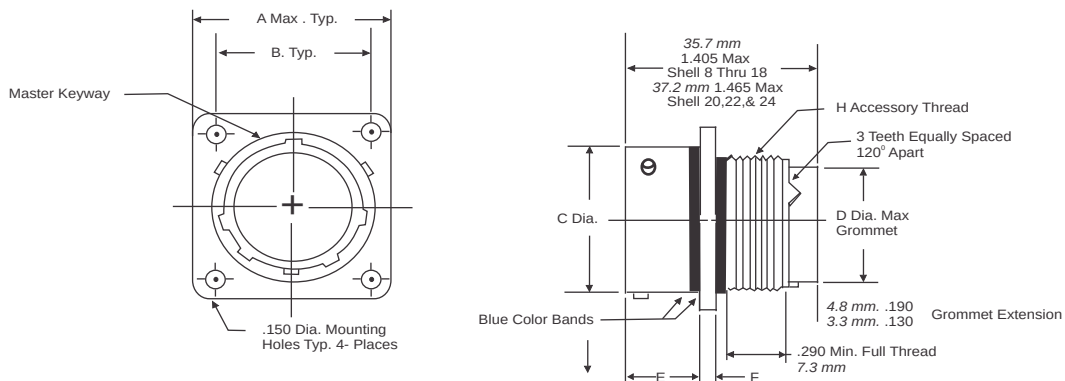
Millimeters

Shell Size	A Max.	B $\pm .005$	C Dia. $\pm .003$	D Dia. Max.	E	F $\pm .016$	H Accessory Thread Class 2A	T $\pm .005$
8	21.0	15.0	12.0	07.7	11.7/10.9	1.6	.5000-20 UNF	3.0
10	24.2	18.3	15.0	10.3	11.7/10.9	1.6	.6250-24 UNEF	3.0
12	26.6	20.6	19.0	13.5	11.7/10.9	1.6	.7500-20 UNEF	3.0
14	29.0	23.0	22.1	16.9	11.7/10.9	1.6	.8750-20 UNEF	3.0
16	31.3	24.6	25.3	20.1	11.7/10.9	1.6	1.0000-20 UNEF	3.0
18	33.7	27.0	28.5	22.1	11.7/10.9	1.6	1.0625-18 UNEF	3.0
20	37.0	29.4	31.5	25.2	14.9/14.1	2.4	1.1875-18 UNEF	3.0
22	40.0	31.7	34.9	28.4	14.9/14.1	2.4	1.3125-18 UNEF	3.0
24	43.2	35.0	38.0	31.6	15.7/14.9	2.4	1.4375-18 UNEF	3.7

Miniature Cylindrical MIL-DTL-26482, Series 2 IMB1-2

Receptacle Shell, Wall Mount with Wide Flange,
Bayonet Coupling

Military No. MS3472



To complete order number see ordering information, page 14.

Shell Size	A Max.	B $\pm .005$	C Dia. $\pm .003$	D Dia. Max.	E	F $\pm .016$	H Thread Class 2A
8	1.065	.734	.471	.305	.493/.462	.062	.5000-20 UNF
10	1.141	.812	.588	.405	.493/.462	.062	.6250-24 UNEF
12	1.266	.938	.748	.531	.493/.462	.062	.7500-20 UNEF
14	1.360	1.031	.873	.665	.493/.462	.062	.8750-20 UNEF
16	1.453	1.125	.998	.790	.493/.462	.062	1.0000-20 UNEF
18	1.532	1.203	1.123	.869	.493/.462	.062	1.0625-18 UNEF
20	1.688	1.297	1.248	.994	.587/.556	0.94	1.1875-18 UNEF
22	1.766	1.375	1.373	1.119	.587/.556	0.94	1.3125-18 UNEF
24	1.891	1.500	1.498	1.244	.620/.589	0.94	1.4375-18 UNEF

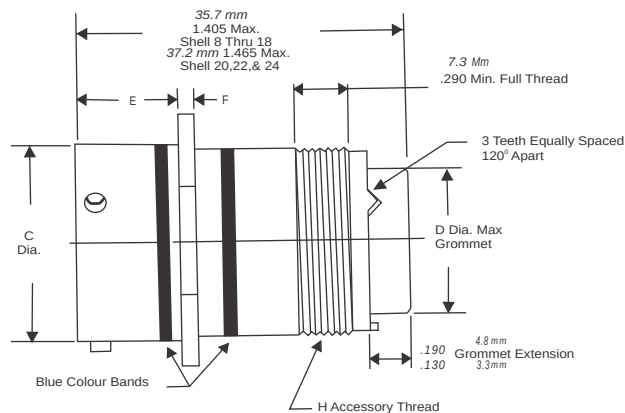
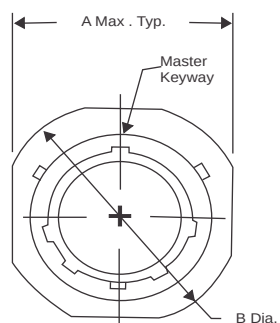
Millimeters

Shell Size	A Max.	B $\pm .005$	C Dia. $\pm .003$	D Dia. Max.	E	F $\pm .016$	H Thread Class 2A
8	27.1	18.6	11.9	7.7	11.7/10.9	1.5	.50000-20 UNF
10	29.0	20.6	14.9	10.3	11.7/10.9	1.5	.6250-24 UNEF
12	32.1	23.8	19.0	13.5	11.7/10.9	1.5	.7500-20 UNEF
14	34.5	26.1	22.1	16.9	11.7/10.9	1.5	.8750-20 UNEF
16	36.9	28.6	25.3	20.0	11.7/10.9	1.5	1.0000-20 UNEF
18	38.9	30.5	28.5	22.0	11.7/10.9	1.5	1.0625-18 UNEF
20	42.9	32.9	31.7	25.3	14.9/14.1	2.3	1.1875-18 UNEF
22	44.8	34.9	34.8	28.4	14.9/14.1	2.3	1.3125-18 UNEF
24	48.0	38.1	38.0	31.6	15.7/14.9	2.3	1.4375-18 UNEF

Miniature Cylindrical MIL-DTL-26482, Series 2 IMB1-1

Receptacle Shell, Cable Connecting,
Bayonet Coupling

Military No. MS3471



To complete order number see ordering information, page 14.

Shell Size	A Max.	B Dia. $\pm .020$	C Dia. $\pm .003$	D Dia. Max.	E	F $\pm .016$	H Thread Class 2A
8	.828	.938	.471	.305	.462/.431	.062	.5000-20 UNF
10	.954	1.062	.588	.405	.462/.431	.062	.6250-24 UNEF
12	1.047	1.156	.748	.531	.462/.431	.062	.7500-20 UNEF
14	1.141	1.250	.873	.665	.462/.431	.062	.8750-20 UNEF
16	1.234	1.344	.998	.790	.462/.431	.062	1.0000-20 UNEF
18	1.328	1.438	1.123	.869	.462/.431	.062	1.0625-18 UNEF
20	1.453	1.562	1.248	.994	.587/.556	0.94	1.1875-18 UNEF
22	1.578	1.688	1.373	1.119	.587/.556	0.94	1.3125-18 UNEF
24	1.703	1.812	1.498	1.244	.620/.589	0.94	1.4375-18 UNEF

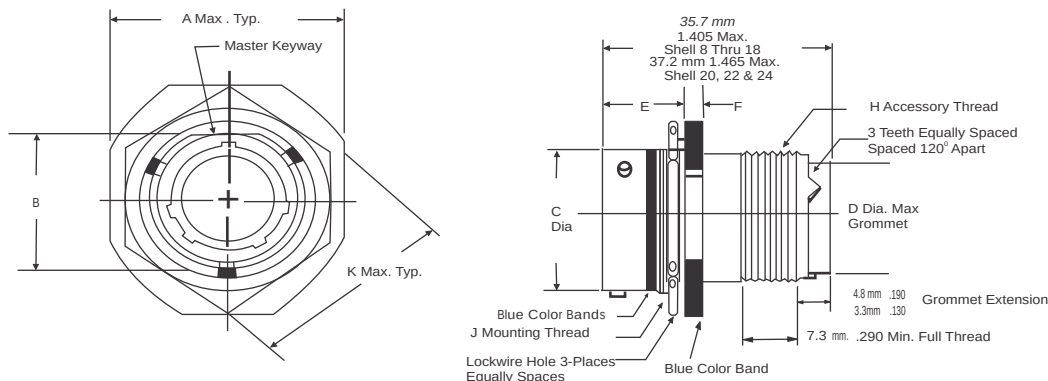
Millimeters.

Shell Size	A Max.	B Dia. $\pm .020$	C Dia. $\pm .003$	D Dia. Max.	E	F $\pm .016$	H Thread Class 2A
8	21.0	23.8	12.0	7.7	11.7/10.91	1.6	.5000-20 UNF
10	24.2	27.0	14.9	10.2	11.7/10.9	1.6	.6250-24 UNEF
12	26.6	29.3	18.8	13.5	11.7/10.9	1.6	.7500-20 UNEF
14	29.0	31.7	22.1	16.9	11.7/10.9	1.6	.8750-20 UNEF
16	31.3	34.1	25.3	20.0	11.7/10.91	1.6	1.0000-20 UNEF
18	33.7	36.5	28.5	22.1	11.7/10.9	1.6	1.0625-18 UNEF
20	36.9	39.7	31.7	25.2	14.9/14.1	2.4	1.1875-18 UNEF
22	40.0	42.9	34.9	28.42	14.9/14.1	2.4	1.3125-18 UNEF
24	43.2	46.0	38.0	31.6	15.7/14.9	2.4	1.4375-18 UNEF

Miniature Cylindrical MIL-DTL-26482, Series 2 IMB1- 4

Receptacle Shell, Jam Nut Mount,
Bayonet Coupling

Military No. MS3474



To complete order number see ordering information, page 14.

Shell Size	A Max.	B $\pm.005$	C Dia. $\pm.003$	D Dia. Max.	E	F	H Accessory Thread Class 2A	J Mounting Thread Class 2A	K Max.
8	.954	.525	.471	.305	.707/.658	.113/.086	.5000-20 UNF	.5625-24 UNEF	.767
10	1.078	.650	.588	.405	.707/.658	.113/.086	.6250-24 UNEF	.6875-24 UNEF	.892
12	1.266	.813	.748	.531	.707/.658	.113/.086	.7500-20 UNEF	.8750-20 UNEF	1.079
14	1.391	.937	.873	.665	.707/.658	.113/.086	.8750-20 UNEF	1.0000-20 UNEF	1.205
16	1.516	1.061	.998	.790	.707/.658	.113/.086	1.0000-20 UNEF	1.1250-18 UNEF	1.329
18	1.641	1.186	1.123	.869	.707/.658	.113/.086	1.0625-18 UNEF	1.2500-18 UNEF	1.455
20	1.828	1.311	1.248	.994	.772/.721	.148/.096	1.1875-18 UNEF	1.3750-18 UNEF	1.579
22	1.954	1.436	1.373	1.119	.772/.721	.148/.096	1.3125-18 UNEF	1.5000-18 UNEF	1.705
24	2.078	1.561	1.498	1.244	.772/.721	.148/.096	1.4375-18 UNEF	1.6250-18 UNEF	1.829

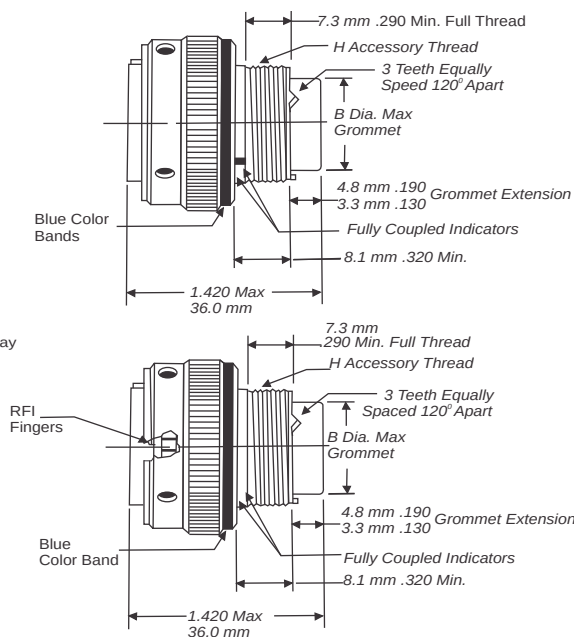
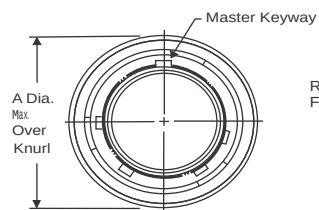
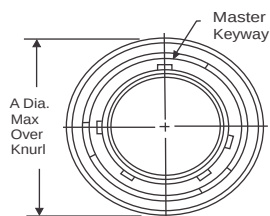
Millimeters

Shell Size	A Max.	B $\pm.005$	C Dia. $\pm.003$	D Dia. Max.	E	F	H Accessory Thread Class 2A	J Mounting Thread Class 2A	K Max.
8	24.2	13.3	12.0	7.7	17.9/17.7	2.8/2.1	.5000-20 UNF	.5625-24 UNEF	19.5
10	27.4	16.5	15.0	10.3	17.9/17.7	2.8/2.1	.6250-24 UNEF	.6875-24 UNEF	22.6
12	32.1	20.6	19.0	13.4	17.9/17.7	2.8/2.1	.7500-20 UNEF	.8750-20 UNEF	27.4
14	35.3	23.8	22.2	16.9	17.9/17.7	2.8/2.1	.8750-20 UNEF	1.0000-20 UNEF	30.6
16	38.5	27.0	25.3	20.0	17.9/17.7	2.8/2.1	1.0000-20 UNEF	1.1250-18 UNEF	33.7
18	41.7	30.1	28.5	22.1	17.9/17.7	2.8/2.1	1.0625-18 UNEF	1.2500-18 UNEF	37.0
20	46.4	33.3	31.7	25.2	19.6/18.3	3.7/2.4	1.1875-18 UNEF	1.3750-18 UNEF	40.1
22	49.6	36.5	34.9	28.4	19.6/18.3	3.7/2.4	1.3125-18 UNEF	1.5000-18 UNEF	43.3
24	52.7	39.6	38.0	31.6	19.6/18.3	3.7/2.4	1.4375-18 UNEF	1.6250-18 UNEF	46.4

Miniature Cylindrical MIL-DTL-26482, Series 2

IMB1-6 straight plug

IMB1-5 straight plug with RFI grounding fingers



Plug Shell,
Bayonet Coupling

Military No. MS3476

Plug Shell, RFI Grounding,
Bayonet Coupling

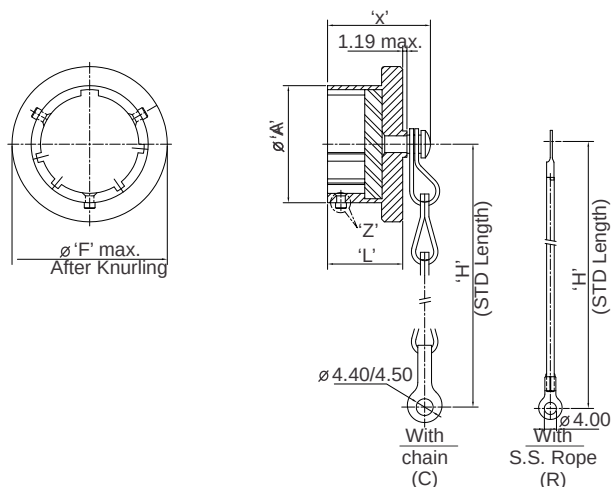
Military No. MS3475

To complete order number see ordering information, page 14.

Shell Size	A Dia. Max.	B Dia. Max.	H Accessory Thread Class 2A
8	.782	.305	.5000-20 UNF
10	.926	.405	.6250-24 UNEF
12	1.043	.531	.7500-20 UNEF
14	1.183	.665	.8750-20 UNEF
16	1.305	.790	1.0000-20 UNEF
18	1.391	.869	1.0625-18 UNEF
20	1.531	.994	1.1875-18 UNEF
22	1.656	1.119	1.3125-18 UNEF
24	1.777	1.244	1.4375-18 UNEF

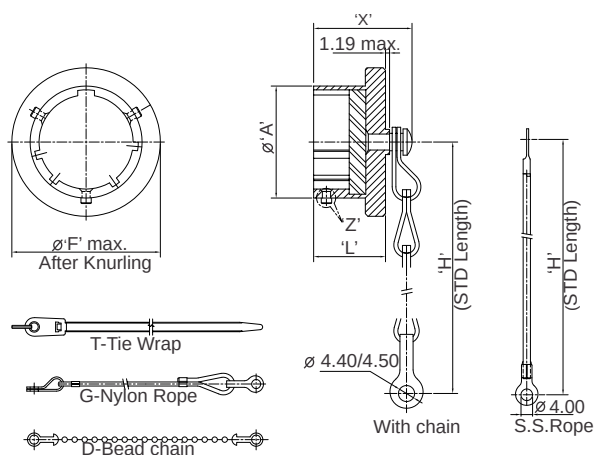
Millimeters

Shell Size	A Dia. Max.	B Dia. Max.	H Accessory Thread Class 2A
8	19.8	3.1	.5000-20 UNF
10	23.5	10.2	.6250-24 UNEF
12	26.5	13.5	.7500-20 UNEF
14	30.0	16.9	.8750-20 UNEF
16	33.1	20.0	1.0000-20 UNEF
18	35.3	22.0	1.0625-18 UNEF
20	38.9	25.2	1.1875-18 UNEF
22	42.0	28.4	1.3125-18 UNEF
24	45.1	31.6	1.4375-18 UNEF



Ordering Information (MIL Part Number)

JANMS3180	10	C	W	L
Designates Plug Dust Cover				
Shell Size: 08, 10,12, 14, 16, 18, 20, 22 & 24				
Style: C - With Chain R - With SS Rope				
Class: A - Hard Anodize black finish W - Cadmium plate finish				
Length: L - 127.0 + 12.7/-6.35 chain/rope in lieu of std. length				



Ordering Information (Proprietary Part Number)

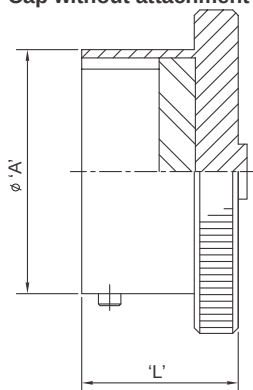
IMB3180	08	A	F	N	H
Designates Plug Dust Cover					
Shell Size: 08, 10,12, 14, 16, 18, 20, 22 & 24					
Class: Aluminium A - Hard anodic B - Zinc nickel finish F - 48 hrs. electroless nickel W - 500 hrs. cadmium olive drab EB - Cad. free zinc cobolt -olive drab finish FB - Cad. free zinc cobolt - black finish T- PT FE nickel finish SD- Zinc Ni Black finish					
Type of attachment D - bead chain passivated F - Wire rope with teflon jacket G - Nylon cord S - Sash chain passivated X - None					
Type of end link: N - Solid ring T -Tie wrap X - None					
Length of attachment: H - Standard length For non- standard 'H', length has to be specified in mm.					

All Dimensions are in mm

Shell Size	Ø A Ref.	Ø F Max. Overall.	H +12.70/-6.35	L Max. Length	X Max. Overall	Ø F +0.00/-0.08 For Heavy Duty
08	12.01	18.26	76.20			22.10
10	14.99	21.44				24.86
12	19.05	25.40				29.24
14	22.22	28.58	88.90	14.27	19.84	32.41
16	25.40	31.75				35.58
18	28.58	34.92				38.22
20	31.75	38.10	101.60	15.88	21.44	41.94
22	34.92	41.28				45.11
24	38.10	44.45		16.71	22.22	48.18

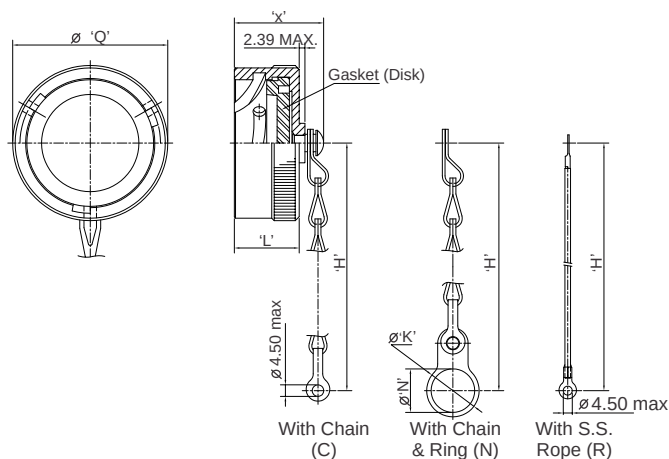
All Dimensions for reference only

Cap without attachment



Ordering information IMB3180 -08 - A - V1

Plug Dust Cover	
Shell Size : 08,10,12,14,16,18,20,22 & 24	
Class: A - Hard Anodic W - Aluminium, 500 hrs. Cadmium Olive Drab F - Aluminium, 48 hrs. electroless nickel T- Nickel PTFE finish	
Variant	



Ordering Information (MIL Part Number)

JANMS3181 10 C W L

Designates Receptacle Dust Cover

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Style:

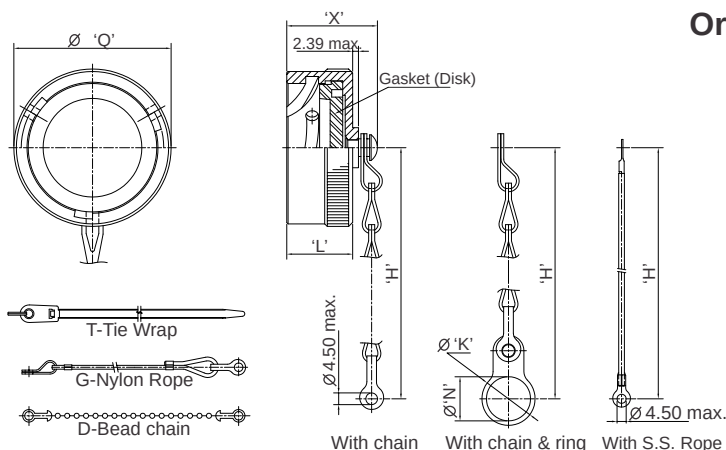
C - With Chain
N - With Chain & Ring.
R - With SS Rope

Class:

A - Hard Anodize black finish
W - Cadmium plate finish

Length:

L - 127.0 + 12.7/-6.35 chain/rope in lieu of std. length
Leave blank for std.length



Ordering Information (Proprietary Part Number)

IMB3181 08 A F N H

Designates Receptacle Duct Cover

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Class: Aluminium

A - Hard anodic
B - Zinc nickel finish
F - 48 hrs. electroless nickel
W - 500 hrs. cadmium olive drab
EB - Cad. free zinc cobalt -olive drab finish
FB - Cad. free zinc cobalt - black finish
T - PT FE nickel finish
SD- Zinc Ni Black finish

Type of attachment

D -Bead chain passivated
F - Wire rope with teflon jacket
G - Nylon cord
S - Sash chain passivated
X - None

Type of end link:

N - Solid ring
T -Tie wrap
X - None

Length of attachment:

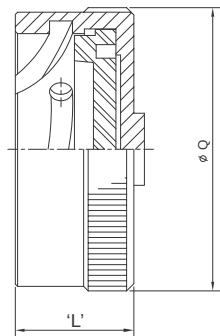
H - Standard length
For non- standard 'H', length has to be specified in mm.

All Dimensions are in mm

Shell Size	H +12.70/ -6.35	Ø K MAX.	L Max.	Ø N MIN	Ø Q MIN	X Max.
08	76.20	20.62	14.27	14.68	18.64	21.44
10		25.40		17.86	21.82	
12		30.18		22.63	25.40	
14		36.67		25.81	28.58	
16	88.90	39.67		28.98	31.75	
18		42.88		32.16	34.92	
20		46.02	15.29	35.33	38.10	22.22
22	101.60	49.23		38.51	41.28	
24		52.37		41.68	44.45	

All Dimensions for reference only

Cap without attachment



Ordering information IMB3181 -08 - A - V1

Designates: Receptacle Dust Cover

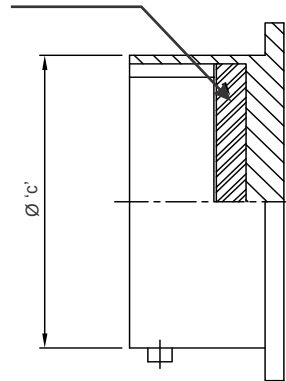
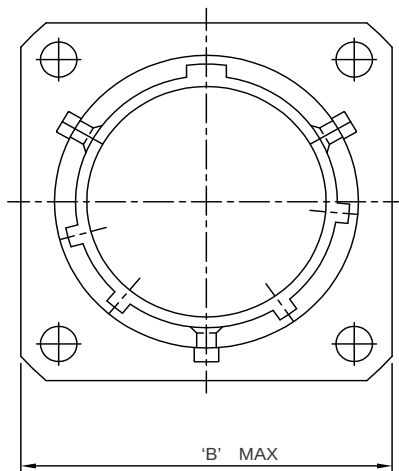
Shell Size : 08,10,12,14,16,18,20,22 & 24

Class:

A - Hard Anodic
W - Aluminium, 500 hrs. Cadmium Olive Drab
F - Aluminium, 48 hrs. electroless nickel
T- Nickel PTFE finish

Variant

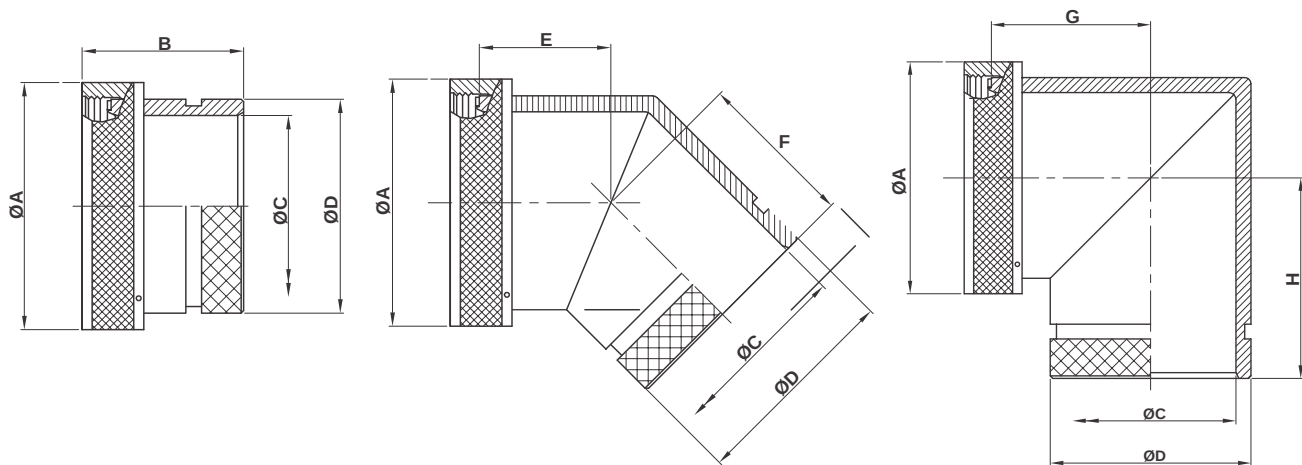
GASKET TO BE CEMENTED TO DUST CAP



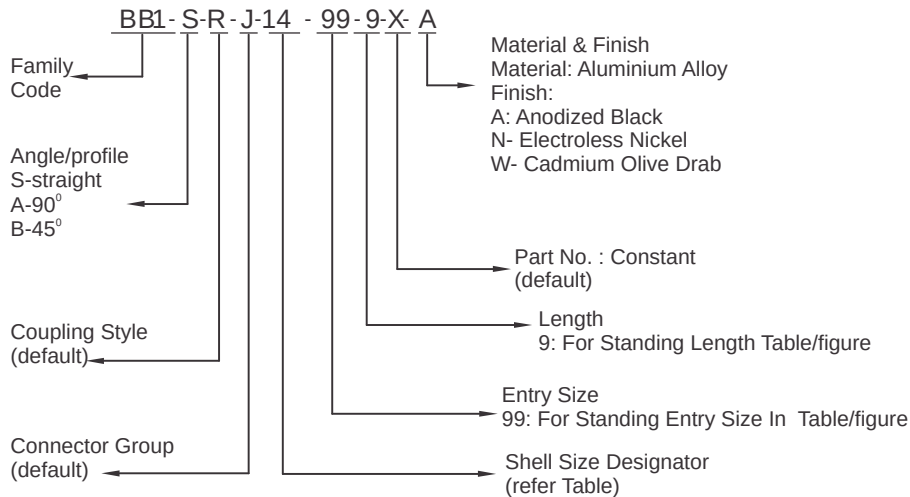
SIZE	'B' SQ	'C' ±0.08
08	20.62	11.96
10	23.80	14.94
12	26.39	18.97
14	28.58	22.17
16	31.34	25.32
18	33.32	28.52
20	36.50	31.70
22	39.67	34.87
24	42.85	38.05

IMB3115-10-W
 Product Designation
 Shell Size

FINISH:
 A: Hard Anodized
 N- Electroless Nickel
 W- Cadmium Olive Drab
 SD- Zinc Nickel Black Finish
 * For other finish contact factory



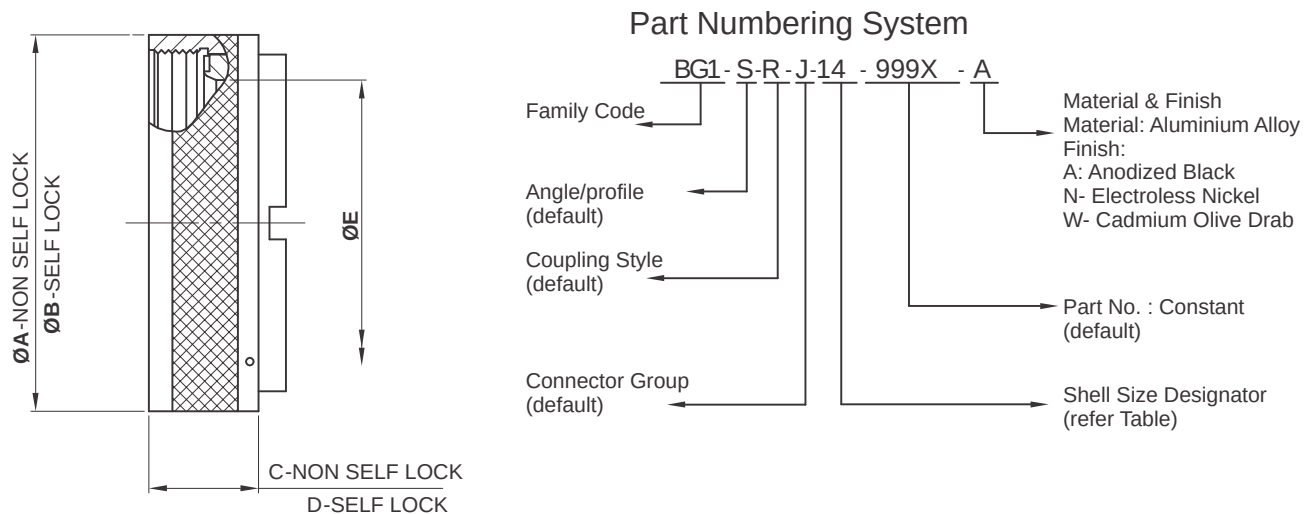
Part Numbering System



Dimensions

SHELL SIZE DESIGNATOR	ØA MAX.		B MAX.		ØC MIN.		ØD MIN.		E MAX.		F MAX.		G MAX.		H MAX.	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	0.62	15.67	1.19	30.15	0.25	6.35	0.53	13.54	0.64	16.23	0.81	20.57	0.75	19.05	0.92	23.37
10	0.73	18.64	1.19	30.15	0.36	9.02	0.61	15.37	0.66	16.87	0.84	21.34	0.81	20.57	0.98	24.89
12	0.86	21.79	1.19	30.15	0.49	12.47	0.77	19.66	0.69	17.48	0.86	21.84	0.87	22.10	1.04	26.42
14	0.98	24.99	1.19	30.15	0.57	14.35	0.84	21.29	0.71	17.91	0.89	22.61	0.92	23.37	1.11	28.19
16	1.11	28.24	1.19	30.15	0.69	17.53	0.96	24.46	0.73	18.59	0.91	23.11	0.98	24.89	1.17	29.72
18	1.22	30.94	1.19	30.15	0.77	19.53	1.04	26.47	0.75	19.00	0.92	23.37	1.02	25.91	1.19	30.23
20	1.35	34.16	1.19	30.15	0.89	22.71	1.22	30.91	0.77	19.63	0.94	23.88	1.08	27.43	1.25	31.75
22	1.47	37.29	1.19	30.15	1.02	25.88	1.36	34.42	0.80	20.32	0.98	24.89	1.14	28.96	1.33	33.78
24	1.59	40.46	1.19	30.15	1.13	28.80	1.44	36.65	0.82	20.90	1.01	25.65	1.20	30.48	1.40	35.56

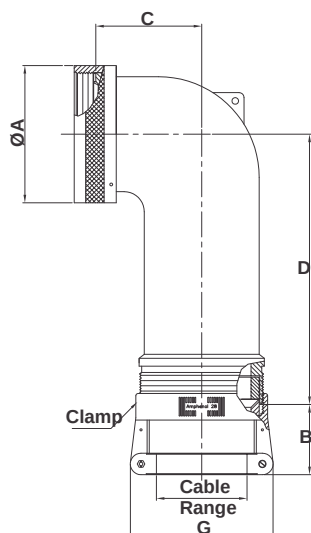
Note: * For ordering with Military part number contact factory.



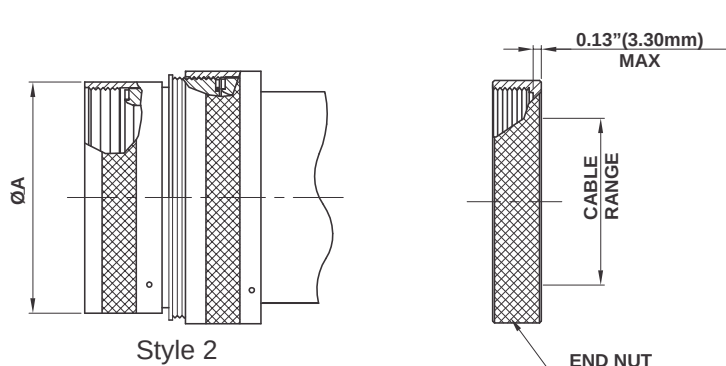
Dimensions

SHELL SIZE DESIGNATOR	$\varnothing A$ MAX.		$\varnothing B$ MAX.		C MAX.		D MAX.		E MAX.	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	0.62	15.67	0.89	22.48	0.54	13.72	0.71	18.03	0.27	6.86
10	0.73	18.64	1.01	25.65	0.54	13.72	0.71	18.03	0.38	9.53
12	0.86	21.79	1.14	28.83	0.54	13.72	0.71	18.03	0.51	12.98
14	0.98	24.99	1.26	32.00	0.54	13.72	0.71	18.03	0.59	14.86
16	1.11	28.24	1.39	35.18	0.54	13.72	0.71	18.03	0.71	18.03
18	1.22	30.94	1.51	38.35	0.54	13.72	0.71	18.03	0.79	20.04
20	1.35	34.16	1.64	41.53	0.54	13.72	0.71	18.03	0.91	23.22
22	1.47	37.29	1.76	44.70	0.54	13.72	0.71	18.03	1.04	26.39
24	1.59	40.46	1.89	47.88	0.54	13.72	0.71	18.03	1.15	29.31

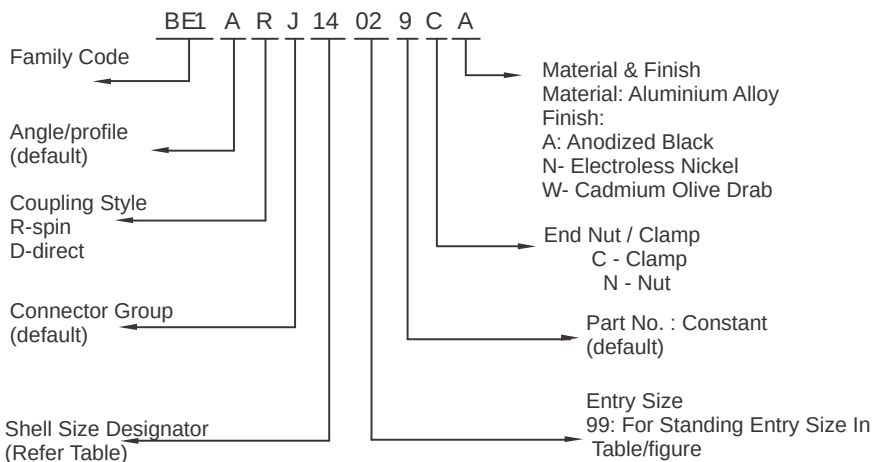
Note: * For ordering with Military part number contact factory.



Note: When maximum cable entry is exceeded style 2 will be supplied



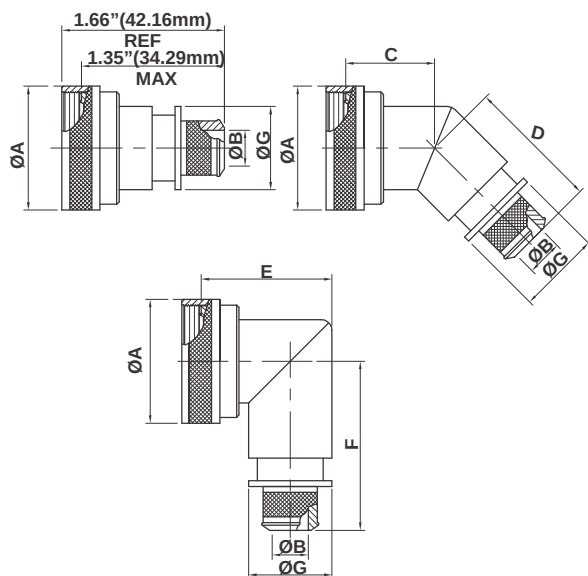
Part Numbering System



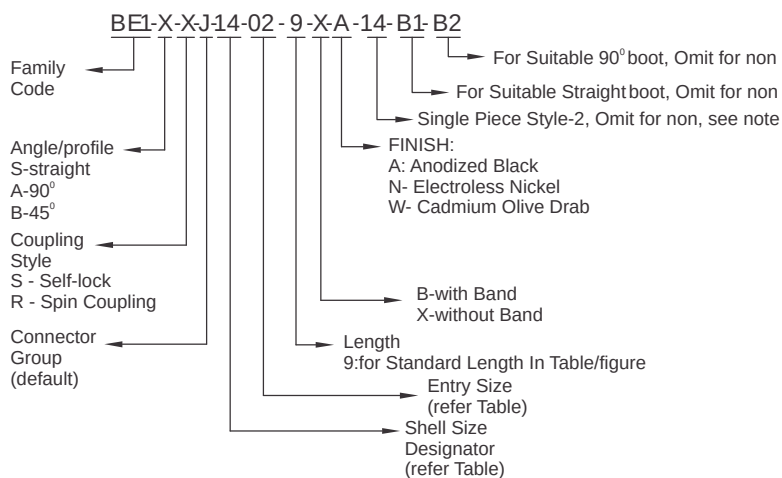
Dimensions (*) - Denotes Style 2

SHELL SIZE DESIGNATOR	ENTRY SIZE	ØA MAX.		B REF.		C MAX.		D MAX.		G MAX.		CABLE RANGE			
												MIN.		MAX.	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	0.62	15.67	1.03	26.09	0.67	17.02	1.26	32.00	0.96	24.31	0.13	3.18	0.25	6.35
	01	0.73	18.64	1.03	26.09	0.76	19.30	1.98	50.29	0.96	24.31	0.13	3.18	0.31	7.92
	02*	0.73	18.64	1.03	26.09	1.52	38.61	2.00	50.80	1.15	29.08	0.25	6.35	0.44	11.10
10	03	0.73	18.64	1.03	26.09	0.76	19.30	1.38	35.05	1.15	29.08	0.25	6.35	0.38	9.53
	01	0.86	21.79	1.03	26.09	0.77	19.56	2.00	50.80	0.96	24.31	0.13	3.18	0.31	7.92
	02*	0.86	21.79	1.03	26.09	1.81	45.97	2.16	54.86	1.33	33.83	0.35	8.89	0.63	15.88
12	03	0.86	21.79	1.03	26.09	0.77	19.56	2.00	50.80	1.15	29.08	0.25	6.35	0.44	11.10
	04	0.86	21.79	1.03	26.09	0.77	19.56	1.40	35.56	1.33	33.83	0.35	8.89	0.50	12.70
	01	0.98	24.99	1.03	26.09	0.87	22.10	2.07	52.58	1.15	29.08	0.25	6.35	0.44	11.10
14	02	0.98	24.99	1.03	26.09	0.87	22.10	1.72	43.69	1.33	33.83	0.35	8.89	0.58	14.61
	03*	0.98	24.99	1.06	26.90	1.89	48.01	2.33	59.18	1.55	39.40	0.50	12.70	0.75	19.05
	04	0.98	24.99	1.03	26.09	0.87	22.10	2.07	52.58	0.96	24.31	0.13	3.18	0.31	7.92
16	01	1.11	28.24	1.03	26.09	1.05	26.67	2.16	54.86	1.15	29.08	0.25	6.35	0.44	11.10
	02	1.11	28.24	1.06	26.90	1.05	26.67	1.81	45.97	1.55	39.40	0.50	12.70	0.70	17.78
	03	1.11	28.24	1.03	26.09	1.05	26.67	2.16	54.86	1.33	33.83	0.35	8.89	0.63	15.88
18	04*	1.11	28.24	1.16	29.36	2.04	51.82	2.44	61.98	1.77	44.96	0.63	15.88	0.94	23.80
	05	1.11	28.24	1.03	26.09	1.05	26.67	2.16	54.86	0.96	24.31	0.13	3.18	0.31	7.92
	01	1.22	30.94	1.03	26.09	1.14	28.96	2.33	59.18	1.33	33.83	0.35	8.89	0.63	15.88
20	02	1.22	30.94	1.16	29.36	1.14	28.96	1.98	50.29	1.77	44.96	0.63	15.88	0.78	19.79
	03	1.22	30.94	1.03	26.09	1.14	28.96	2.33	59.18	0.96	24.31	0.13	3.18	0.31	7.92
	04	1.22	30.94	1.03	26.09	1.14	28.96	2.33	59.18	1.15	29.08	0.25	6.35	0.44	11.10
22	05	1.22	30.94	1.06	26.90	1.14	28.96	2.33	59.18	1.55	39.40	0.50	12.70	0.75	19.05
	06*	1.22	30.94	1.16	29.36	2.05	52.07	2.44	61.98	1.77	44.96	0.63	15.88	0.94	23.80
	01	1.35	34.16	1.03	26.09	1.14	28.96	2.33	59.18	1.33	33.83	0.35	8.89	0.63	15.88
24	02	1.35	34.16	1.16	29.36	1.14	28.96	1.98	50.29	1.77	44.96	0.63	15.88	0.90	22.96
	03	1.35	34.16	1.03	26.09	1.14	28.96	2.33	59.18	1.15	29.08	0.25	6.35	0.44	11.10
	04	1.35	34.16	1.06	26.90	1.14	28.96	2.33	59.18	1.55	39.40	0.50	12.70	0.75	19.05
26	05	1.35	34.16	1.38	34.93	2.14	54.36	2.61	66.29	2.11	53.67	0.88	22.23	1.25	31.75
	01	1.47	37.29	1.06	26.90	1.29	32.77	2.44	61.98	1.55	39.40	0.50	12.70	0.75	19.05
	02	1.47	37.29	1.38	34.93	1.29	32.77	2.09	53.09	2.11	53.67	0.88	22.23	1.03	26.14
28	03	1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	0.96	24.31	0.13	3.18	0.31	7.92
	04	1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.15	29.08	0.25	6.35	0.44	11.10
	05	1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.33	33.83	0.35	8.89	0.63	15.88
30	06	1.47	37.29	1.16	29.36	1.29	32.77	2.44	61.98	1.77	44.96	0.63	15.88	0.94	23.80
	07*	1.47	37.29	1.38	34.93	2.14	54.36	2.61	66.29	2.11	53.67	0.88	22.23	1.25	31.75
	01	1.59	40.46	1.06	26.90	1.29	32.77	2.44	61.98	1.55	39.40	0.50	12.70	0.75	19.05
32	02	1.59	40.46	1.38	34.93	1.29	32.77	2.09	53.09	2.11	53.67	0.88	22.23	1.14	29.06
	03	1.59	40.46	1.03	26.09	1.29	32.77	2.44	61.98	1.33	33.83	0.35	8.89	0.63	15.88
	04	1.59	40.46	1.16	29.36	1.29	32.77	2.44	61.98	1.77	44.96	0.63	15.88	0.94	23.80
34	05*	1.59	40.46	1.38	34.93	2.15	54.61	2.61	66.29	2.12	53.75	0.88	22.23	1.25	31.75

Note: * For ordering with Military part number contact factory.



Part Numbering System



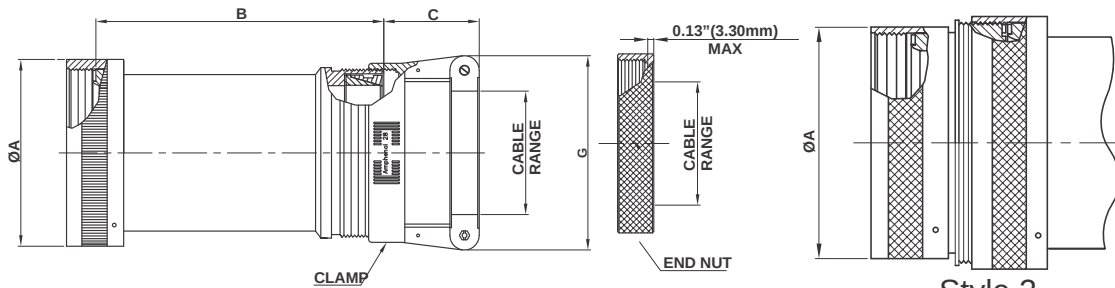
Dimensions

SHELL SIZE DESIGNATOR	ENTRY SIZE	ØA MAX.		ØB		C MAX.		D MAX.		E MAX.		F MAX.		G MAX.	
				+0.00 -0.02	+0.00 -0.50										
		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	01	0.89	22.48	N/A	N/A	0.87	22.10	1.16	29.46	1.19	30.18	1.42	35.99	N/A	N/A
	02			0.26	6.60									0.56	14.22
10	01	1.01	25.65	N/A	N/A	0.89	22.61	1.18	29.97	1.28	32.54	1.48	37.59	N/A	N/A
	02			0.32	8.13									0.63	16.00
12	01	1.14	28.83	0.32	8.13	0.92	23.37	1.20	30.48	1.41	35.71	1.54	39.17	0.63	16.00
	02			0.45	11.43									0.75	19.05
14	01	1.26	32.00	0.45	11.43	0.94	23.88	1.22	30.99	1.53	38.89	1.61	40.77	0.63	19.05
	02			0.57	14.48									0.89	22.61
16	01	1.39	35.18	0.51	12.95	0.96	24.38	1.25	31.75	1.66	42.06	1.67	42.34	0.82	20.83
	02			0.64	16.26									0.95	24.13
18	01	1.51	38.35	0.64	16.26	0.98	24.89	1.26	32.00	1.72	43.64	1.73	43.94	0.95	24.13
	02			0.76	19.30									1.07	27.18
20	01	1.64	41.53	0.64	16.26	1.00	25.40	1.29	32.77	1.84	46.84	1.79	45.52	0.95	24.13
	02			0.82	20.83									1.13	28.07
22	01	1.76	44.70	0.70	17.78	1.03	26.16	1.31	33.27	1.94	49.23	1.85	46.99	1.02	25.99
	02			0.95	24.13									1.26	32.00
24	01	1.89	47.88	0.76	19.30	1.05	26.67	1.34	34.04	2.09	53.16	1.92	48.69	1.07	27.18
	02			1.01	25.65									1.32	33.53

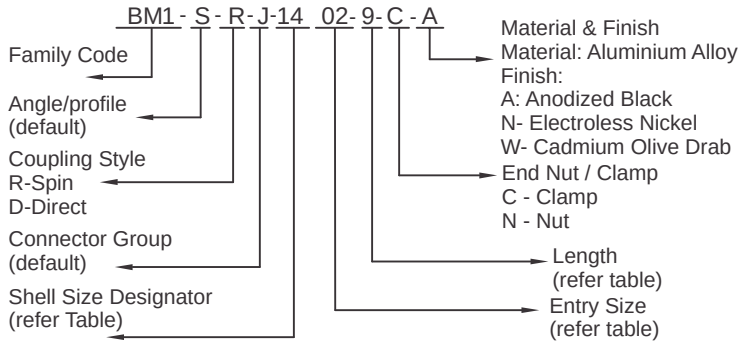
Note: * For ordering with Military part number contact factory.



MI/RFI Non-Environment Backshell



Part Numbering System



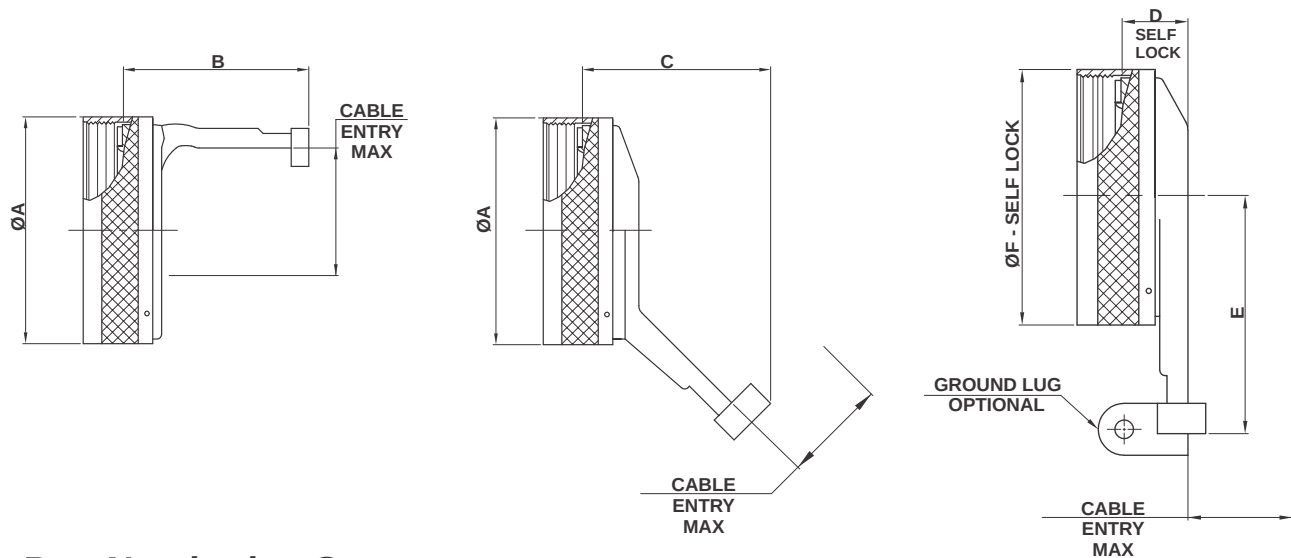
Style 2

Note: When maximum cable entry is exceeded Style 2 will be supplied

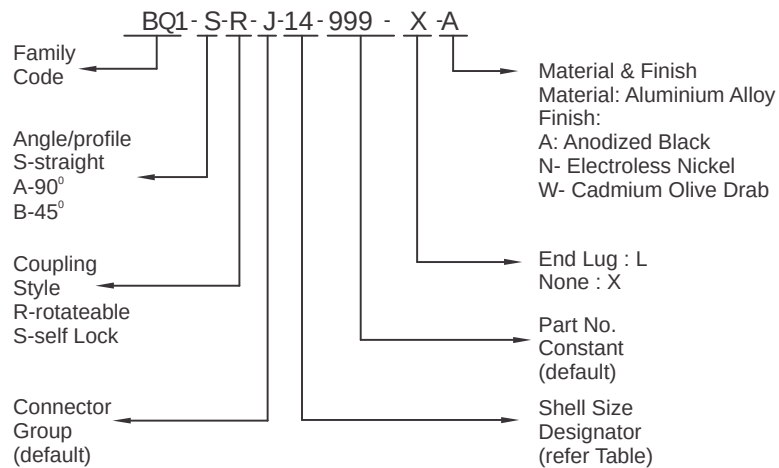
Dimensions *- Indicates Style 2 in table

SHELL SIZE DESIGNATOR	ENTRY SIZE	LENGTH	ØA MAX.		B MAX.		C REF.		G MAX.		CABLE RANGE			
			INCH	MM	INCH	MM	INCH	MM	INCH	MM	MIN.	MAX.	MIN.	MAX.
08	01	1	0.62	15.67	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.25	6.35
		2	0.62	15.67	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.25	6.35
	02	1	0.62	15.67	2.88	73.15	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	0.62	15.67	3.88	98.55	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
10	01	1	0.73	18.64	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
		2	0.73	18.64	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	02	1	0.73	18.64	2.88	73.15	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	0.73	18.64	3.88	98.55	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
12	01	1	0.73	18.64	2.13	54.10	1.03	26.09	1.15	29.08	0.25	6.35	0.38	9.53
		2	0.73	18.64	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.38	9.53
	02	1	0.86	21.79	2.13	54.10	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
		2	0.86	21.79	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
14	01	1	0.86	21.79	2.88	73.15	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
		2	0.86	21.79	3.88	98.55	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	02	1	0.86	21.79	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.50	12.70
		2	0.86	21.79	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
16	01	1	0.86	21.79	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.50	12.70
		2	0.86	21.79	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.50	12.70
	02	1	0.98	24.99	2.13	54.10	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
		2	0.98	24.99	3.13	79.50	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
18	01	1	0.98	24.99	2.88	73.15	1.06	26.90	1.33	33.83	0.35	8.89	0.63	15.88
		2	0.98	24.99	3.88	98.55	1.06	26.90	1.33	33.83	0.35	8.89	0.63	15.88
	02	1	0.98	24.99	2.13	54.10	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
		2	0.98	24.99	3.13	79.50	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
20	01	1	0.98	24.99	2.13	54.10	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
		2	0.98	24.99	3.13	79.50	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
	02	1	1.11	28.24	2.13	54.10	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
		2	1.11	28.24	3.13	79.50	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
22	01	1	1.11	28.24	2.88	73.15	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	1.11	28.24	3.88	98.55	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
	02	1	1.11	28.24	2.13	54.10	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
		2	1.11	28.24	3.13	79.50	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
24	01	1	1.11	28.24	2.13	54.10	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
		2	1.11	28.24	3.13	79.50	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
	02	1	1.11	28.24	2.88	73.15	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	1.11	28.24	3.88	98.55	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
26	01	1	1.11	28.24	2.13	54.10	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
		2	1.11	28.24	3.13	79.50	1.03	26.09	1.55	39.40	0.50	12.70	0.75	19.05
	02	1	1.11	28.24	2.88	73.15	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
		2	1.11	28.24	3.88	98.55	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80

Note: * For ordering with Military part number contact factory.



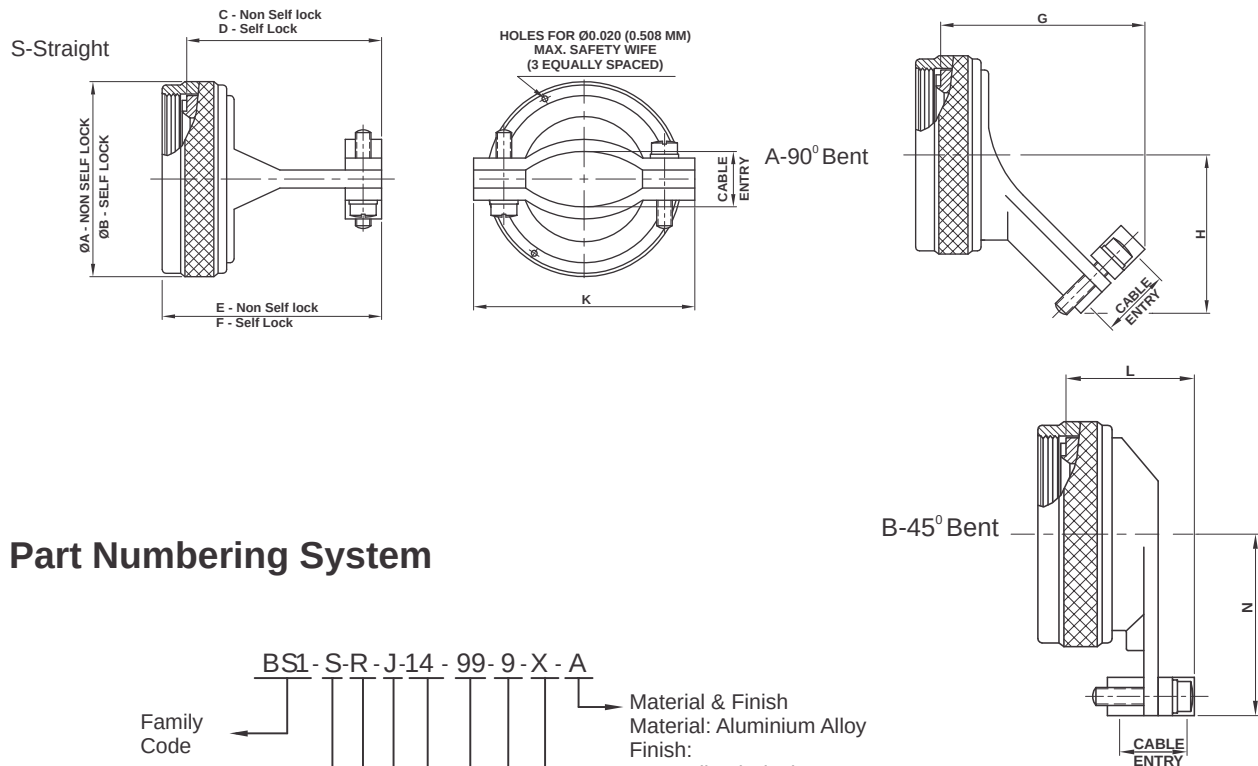
Part Numbering System



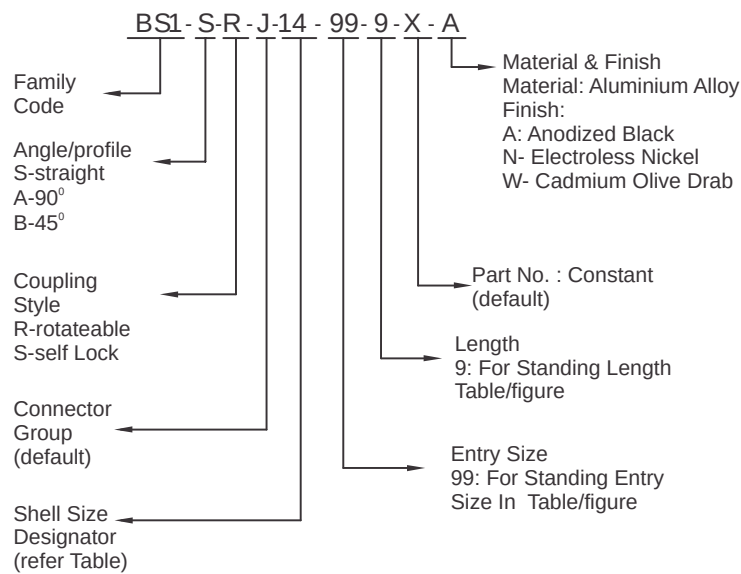
Dimensions

SHELL SIZE DESIGNATOR	ØA MAX.		B MAX.		C MAX.		D MAX.		E MAX.		ØF MAX.		WIRING ENTRY MAX.	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	0.66	16.69	0.95	24.23	1.23	31.29	0.73	18.54	1.22	30.99	0.89	22.48	0.26	6.60
10	0.78	19.86	0.95	24.23	1.23	31.29	0.73	18.54	1.29	32.77	1.01	25.65	0.37	9.27
12	0.94	23.80	0.95	24.23	1.23	31.29	0.73	18.54	1.62	41.15	1.14	28.83	0.50	12.73
14	1.05	26.67	1.20	30.58	1.23	31.29	0.73	18.54	1.66	42.16	1.26	32.00	0.58	14.61
16	1.24	31.47	1.20	30.58	1.23	31.29	0.73	18.54	1.72	43.69	1.39	35.18	0.70	17.78
18	1.38	35.00	1.20	30.58	1.23	31.29	0.73	18.54	1.72	43.69	1.51	38.35	0.78	19.79
20	1.50	38.10	1.31	33.27	1.48	37.64	0.75	19.05	1.79	45.47	1.64	41.53	0.90	22.96
22	1.63	41.43	1.43	36.32	1.48	37.64	0.75	19.05	1.85	46.99	1.76	44.70	1.03	26.14
24	1.75	44.45	1.56	39.62	1.48	37.64	0.75	19.05	1.91	48.51	1.89	47.88	1.14	29.06

Note: * For ordering with Military part number contact factory.



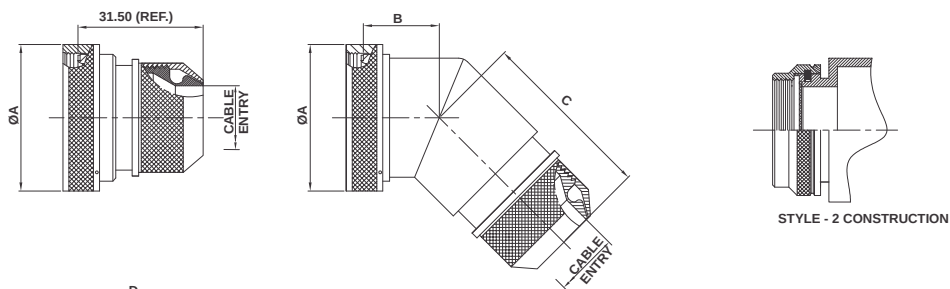
Part Numbering System



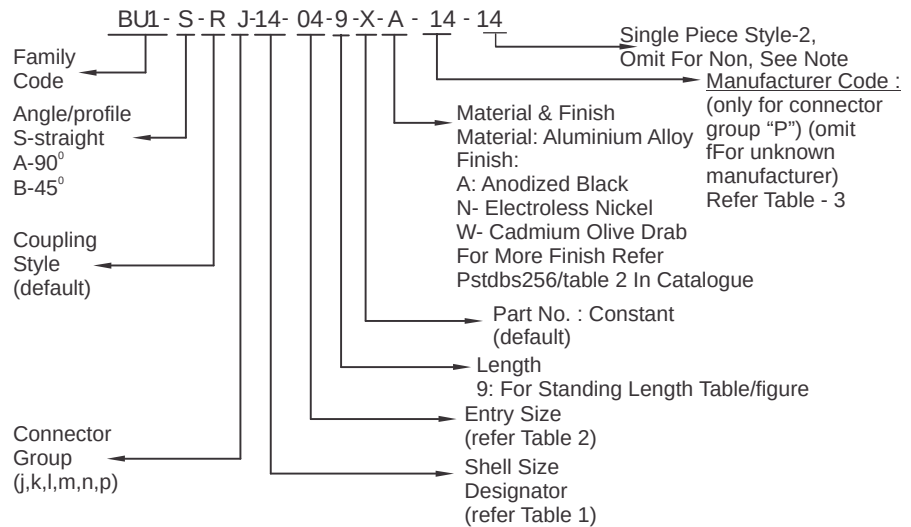
Table

SHELL SIZE DESIGNATOR	ØA MAX.		ØB MAX.		ØC MAX.		D MAX.		E MAX.		F MAX.		K MAX.		G MAX.		H MAX.		L MAX.		N MAX.		CABLE ENTRY			
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	MAX.	MIN.	MAX.	MIN.
08	0.617	15.67	0.885	22.48	0.63	16.00	0.73	18.54	0.890	22.61	1.04	26.42	0.782	19.86	1.320	33.53	0.772	19.61	0.93	23.62	0.808	20.52	0.204	MM	0.125	MM
10	0.734	18.64	1.010	25.65	0.74	18.80	0.85	21.59	1.000	25.40	1.16	29.46	0.862	21.89	1.364	34.65	0.803	20.40	1.02	25.91	0.867	22.02	0.286	7.26	0.187	4.75
12	0.858	21.79	1.135	28.83	0.86	21.84	0.98	24.89	1.125	28.58	1.29	32.77	1.003	25.48	1.438	36.53	0.866	22.00	1.21	30.73	0.929	23.60	0.416	10.57	0.291	7.39
14	0.984	24.99	1.260	32.00	0.86	21.84	0.98	24.89	1.125	28.58	1.29	32.77	1.061	26.95	1.480	37.59	0.928	23.57	1.27	32.26	0.992	25.20	0.476	12.09	0.351	8.92
16	1.112	28.24	1.385	35.18	0.99	25.15	1.10	27.94	1.250	31.75	1.41	35.81	1.334	33.88	1.586	40.28	0.991	25.17	1.42	36.07	1.056	26.82	0.626	15.90	0.501	12.73
18	1.218	30.94	1.510	38.35	1.24	31.50	1.35	34.29	1.500	38.10	1.66	42.16	1.466	37.24	1.704	43.28	1.110	28.19	1.53	38.86	1.233	31.32	0.706	17.93	0.518	13.16
20	1.345	34.16	1.635	41.53	1.36	34.54	1.48	37.59	1.625	41.28	1.79	45.47	1.572	39.93	1.748	44.40	1.172	29.77	1.65	41.91	1.296	32.92	0.831	21.11	0.581	14.76
22	1.468	37.29	1.760	44.70	1.49	37.85	1.60	40.64	1.750	44.45	1.91	48.51	1.688	42.88	1.792	45.52	1.235	31.37	1.78	45.21	1.358	34.49	0.956	24.28	0.644	16.36
24	1.593	40.46	1.885	47.88	1.61	40.89	1.73	43.94	1.875	47.63	2.04	51.82	1.790	45.47	1.836	46.63	1.297	32.94	1.90	48.26	1.420	36.07	1.081	27.46	0.706	17.93

Note: * For ordering with Military part number contact factory.



Part Numbering System



Dimensions

SHELL SIZE DESIGNATOR	ØA MAX.		B MAX.		C MAX.		D MAX.		E MAX.	
	INCH	MM	NCH	MM	INCH	MM	INCH	MM	INCH	MM
08	0.885	22.48	0.87	22.10	1.12	28.46	1.12	28.52	1.39	35.50
10	1.01	25.65	0.90	22.90	1.15	29.22	1.11	28.40	1.46	37.09
12	1.135	28.83	0.92	23.40	1.17	29.74	1.18	30.20	1.53	38.94
14	1.28	32.51	0.94	24.10	1.20	30.50	1.24	31.70	1.59	40.50
16	1.41	35.81	0.98	24.90	1.22	31.01	1.25	31.90	1.65	42.12
18	1.52	38.61	1.00	25.50	1.23	31.26	1.32	33.78	1.75	44.53
20	1.64	41.66	1.01	25.75	1.26	32.02	1.33	33.90	1.77	45.12
22	1.77	44.96	1.03	26.40	1.29	32.79	1.31	35.37	1.83	46.72
24	1.89	48.01	1.07	27.20	1.31	33.29	1.39	35.50	1.89	48.00

ENTRY SIZE	Ø ENTRY (INCHES) +0.009 -0.018	Ø ENTRY MM +0.25 -0.50
01	0.256	6.50
02	0.315	8.00
03	0.375	9.50
04	0.437	11.10
05	0.500	12.70
06	0.626	15.90
07	0.748	19.00
08	0.876	22.25
09	1.000	25.40
10	1.126	28.60
11	1.250	31.75
12	1.378	35.00
13	1.500	38.10

Note: * For ordering with Military part number contact factory.



Environmental EMI/RFI Backshell

AMPHENOL PART NUMBER DESIGNATOR			A DIA. (MAX.)		B (MAX)		C (REF)		G (MAX)		CABLE RANGE			
SHELL SIZE	ENTRY SIZE	LENGTH	INCH	MM	INCH	MM	INCH	MM	INCH	MM	MIN		MAX	
											INCH	MM	INCH	MM
08	01	1	0.62	15.67	2.13	54.10	1.54	39.22	0.96	24.31	0.13	3.18	0.25	6.35
		2	0.62	15.67	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.25	6.35
	02	1	0.62	15.67	2.88	73.15	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
		2	0.62	15.67	3.88	98.55	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
10	01	1	0.73	18.64	2.13	54.10	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
		2	0.73	18.64	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	02	1	0.73	18.64	2.88	73.15	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
		2	0.73	18.64	3.88	98.55	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	03	1	0.73	18.64	2.13	54.10	1.54	39.22	1.15	29.08	0.25	6.35	0.38	9.53
		2	0.73	18.64	3.13	79.50	1.54	39.22	1.15	29.08	0.25	6.35	0.38	9.53
12	01	1	0.86	21.79	2.13	54.10	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
		2	0.86	21.79	3.13	79.50	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	02	1	0.86	21.79	2.88	73.15	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
		2	0.86	21.79	3.88	98.55	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
	03	1	0.86	21.79	2.13	54.10	1.84	46.84	1.33	33.83	0.35	8.89	0.50	12.70
		2	0.86	21.79	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.50	12.70
	04	1	0.86	21.79	2.13	54.10	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
		2	0.86	21.79	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	05	1	0.86	21.79	2.13	54.10	1.84	46.84	1.33	33.83	0.35	8.89	0.50	12.70
		2	0.86	21.79	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.50	12.70
14	01	1	0.98	24.99	2.13	54.10	1.84	46.84	1.33	33.83	0.35	8.89	0.58	14.61
		2	0.98	24.99	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.58	14.61
	02	1	0.98	24.99	2.88	73.15	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
		2	0.98	24.99	3.88	98.55	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	03	1	0.98	24.99	2.13	54.10	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
		2	0.98	24.99	3.13	79.50	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	04	1	0.98	24.99	2.13	54.10	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
		2	0.98	24.99	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	01	1	1.11	28.24	2.13	54.10	1.92	48.67	1.55	39.40	0.50	12.70	0.70	17.78
		2	1.11	28.24	3.13	79.50	1.92	48.67	1.55	39.40	0.50	12.70	0.70	17.78
16	02	1	1.11	28.24	2.88	73.15	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
		2	1.11	28.24	3.88	98.55	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	03	1	1.11	28.24	2.13	54.10	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
		2	1.11	28.24	3.13	79.50	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	04	1	1.11	28.24	2.13	54.10	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
		2	1.11	28.24	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
	05	1	1.11	28.24	2.13	54.10	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
		2	1.11	28.24	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	01	1	1.22	30.94	2.13	54.10	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
		2	1.22	30.94	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
18	02	1	1.22	30.94	2.13	54.10	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
		2	1.22	30.94	3.13	79.50	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	03	1	1.22	30.94	2.88	73.15	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
		2	1.22	30.94	3.88	98.55	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	04	1	1.22	30.94	2.13	54.10	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
		2	1.22	30.94	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	05	1	1.22	30.94	2.13	54.10	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
		2	1.22	30.94	3.13	79.50	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	01	1	1.35	34.16	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
		2	1.35	34.16	4.13	104.90	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
20	02	1	1.35	34.16	3.13	79.50	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
		2	1.35	34.16	4.13	104.90	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	03	1	1.35	34.16	3.88	98.55	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
		2	1.35	34.16	4.88	123.95	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	04	1	1.35	34.16	3.88	98.55	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
		2	1.35	34.16	4.88	123.95	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	05	1	1.35	34.16	3.13	79.50	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
		2	1.35	34.16	4.13	104.90	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	06	1	1.35	34.16	3.13	79.50	2.00	50.80	1.77	44.96	0.63	15.88	0.90	22.96
		2	1.35	34.16	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.90	22.96
22	01	1	1.47	37.29	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
		2	1.47	37.29	4.13	104.90	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
	02	1	1.47	37.29	3.13	79.50	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
		2	1.47	37.29	4.13	104.90	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	03	1	1.47	37.29	3.13	79.50	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
		2	1.47	37.29	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	04	1	1.47	37.29	3.88	98.55	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
		2	1.47	37.29	4.88	123.95	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	05	1	1.47	37.29	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
		2	1.47	37.29	4.13	104.90	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
24	06	1	1.47	37.29	3.13	79.50	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
		2	1.47	37.29	4.13	104.90	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	07	1	1.47	37.29	3.13	79.50	2.23	56.64	2.11	53.67	0.88	22.23	1.03	26.14
		2	1.47	37.29	4.13	104.90	2.23	56.64	2.11	53.67	0.88	22.23	1.03	26.14
	01	1	1.59	40.46	3.13	79.50	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
		2	1.59	40.46	4.13	104.90	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	02	1	1.59	40.46	3.13	79.50	2.00	50.80	1.77	44.96	0.63	15.88	0.81	20.62
		2	1.59	40.46	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.81	20.62
	03	1	1.59	40.46	3.13	79.50	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
		2	1.59	40.46	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
04	1	1.59	40.46	3.88	98.55	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75	
	2	1.59	40.46	4.88	123.95	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75	
05	1	1.59	40.46	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88	
	2	1.59	40.46	4.13	104.90	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88	
06	1	1.59	40.46	3.13	79.50	2.23	56.64	2.11	53.67	0.88	22.23	1.14	29.06	
	2	1.59	40.46	4.13	104.90	2.23	56.64	2.11	53.67	0.88	22.23	1.14	29.06	

Miniature Cylindrical MIL-DTL-26482, Series 2

MIL-DTL-26482, SERIES 2

CRIMP CONTACTS

Contact Size	Wire Range		Socket Contacts	Pin Contacts
	AWG	mm ²	Military Part Number	Military Part Number
20	24-20	0.2-0.6	M39029/5-115	M39029/4-110
16	20-16	0.5-1.4	M39029/5-116	M39029/4-111
12	14-12	2-3	M39029/5-118	M39029/4-113

CONTACT CURRENT RATING AND RETENTION

Contact Size*	DC Test Amperage	Contact Retention	
		Axial Load	
		lb.	N
20	7.5	19.99	88.95
16	13.0	25	111.2
12	23.0	30	133.4

*Operating individual circuits to maintain heat rise within operating temperature requirements.

SEALING PLUGS

Contact Size	Sealing Plugs
	Military Part Number
20	MS27488-20
16	MS27488-16
12	MS27488-12

CRIMPING TOOLS

Contact Size	Wire Range		Finished Wire Dia. Range		Crimping Tool Part Number	Turret or Positioner Part Number
	AWG	mm ²	Inch	mm		
20	24-20	0.2-0.6	.040-.083	1.02-2.11	M22520/1-01 or M22520/2-01	M22520/1-02 or M22520/2-02
16	20-16	0.5-1.4	.053-.103	1.34-2.62	M22520/1-01	M22520/1-02
12	14-12	2-3	.097-.158	2.46-4.01	M22520/1-01	M22520/1-02

INSERTION/REMOVAL TOOLS

Size	Color Code	Military Part Number
20	Red/White	M81969/14-11
16	Blue/White	M81969/14-03
12	Yellow/White	M81969/14-04

NOTE: Each connector is furnished with contacts. One spare for inserts requiring 1 to 20 of each contact, two spares for inserts with more than 26 contacts, and a minimum of one sealing plug up to 15% of the number of contacts.

Metal Insertion & Extraction tool part no.

SR.NO	CONTACT SIZE	METAL INSERTION TOOL		METAL EXTRACTION TOOL	
		MILITARY NO.	DMC P/N	MILITARY NO.	DMC P/N
1	20	M81969/8-202	DAK83-20B	M81969/8-206	DAK83-20B
2	16	M81969/8-207	DAK83-16B	M81969/8-208	DAK83-16B
3	12	M81969/8-209	DAK83-12B	M81969/8-2010	DAK83-12B



1.	2.	3.	4.	5.	6.	7.	
MIL-DTL-26482 SERIES 2	CONNECTOR TYPE	CONNECTOR STYLE	SERVICE CLASS	SHELL SIZE/INSERT ARRANGEMENT	CONTACT TYPE	ALTERNATE ROTATION OF INSERT	MODIFICATION NUMBER
MILITARY	MS	3470	W	12-10	P	W	NA
COMMERCIAL	IMB1	0	W	12-10	P	W	(xxx)

Step 1 Military Connector Type

MS	Designates Military Standard
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Step 1 Commercial Connector Type

IMB1	Designates Amphenol Bayonet Coupling Connector
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Step 2 Select a Connector Style

	Designates
3470	Wall Mount Receptacle with Narrow Flange
3471	Cable Connecting Receptacle
3472	Wall Mount Receptacle with Wide Flange
3474	Jam Nut Receptacle
3475	Straight Plug with RFI Grounding Fingers
3476	Straight Plug

Step 2 Select a Connector Style

	Designates Military Standard
0	Wall Mount Receptacle with Narrow Flange
1	Cable Connecting Receptacle
2	Wall Mount Receptacle with Wide Flange
4	Jam Nut Receptacle
5	Straight Plug with RFI Grounding Fingers
6	Straight Plug

Step 3 Select a Service Class

	Designates
L	Aluminum shell, electroless nickel finish, fluid resistant insert.
A	Aluminum shell, black anodized finish.
W	Aluminum shell, olive drab cadmium plated, fluid resistant insert.

Step 3 Select a Service Class

	Designates
L	Aluminum shell, electroless nickel finish, fluid resistant insert.
A	Aluminum shell, black anodized.
W	Aluminum shell, olive drab cadmium plated, fluid resistant insert.

Step 4 Select a Shell Size & Insert Arrangement from chart on page

Shell Size & Insert Arrangements are on pages 6-8
First number represents Shell Size, second number is the Insert Arrangement.

Step 4 Select a Shell Size & Insert Arrangement from chart on page

Shell Size & Insert Arrangements are on pages 6-8
First number represents Shell Size, second number is the Insert Arrangement.

Step 5 Select a Contact Type

	Designates
P	Pin Contacts
S	Socket
A	Less Pins
B	Less Sockets

Use A & B only when other than a full complement of power contacts is to be installed.

Step 5 Select a Contact Type

	Designates
P	Pin Contacts
S	Socket Contacts

Step 6 Select an Alternate Rotation of Insert

"W", "X", "Y", "Z" designate that insert is rotated in its shell from normal position. No letter required for normal (no rotation) position. See page for description of alternate positions.

Step 6 Select an Alternate Rotation of Insert

"W", "X", "Y", "Z" designate that insert is rotated in its shell from normal position. No letter required for normal (no rotation) position. See page for description of alternate positions.

Step 7 Modification Number

Consult Factory.

Notes :

Notice : All information, including illustrations given herein is believed to be accurate at the time of printing. In lieu of design advances, Amphenol reserves the right to change specifications without notice. This publication ACSE206-05-14, Series 2 supercedes all existing Amphenol literature on Series 2 Connectors.

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