

Mil-Spec Backshells

### Amphenol...We Connect the world together

Amphenol is a leading Interconnect solution providing company with a product portfolio of connectors, accessories, cable assemblies and system integration for almost all applications across various industries. With connectors conforming to almost all Military, Aerospace and Industrial standards in US, Europe and Asia, Amphenol assumes the leadership in meeting the interconnect needs of these market segments.

The quality system is certified to ISO 9001:2000 standards and the new product development is customer driven. Amphenol, with its design, manufacturing facilities and sales offices spread across the globe, is well equipped to serve the customers locally, harnessing global synergy. Exceeding the expectations of customers and there by delighting them continually is an integral part of Amphenol practices.



With the widest range of circular connectors conforming to most Military (MIL) specifications in the product portfolio, Amphenol retains its undisputed leadership in these categories of products. Backshell is an integral part of any Circular connector when it comes to reliable cable connections. It is only logical for Amphenol to offer full range of Backshells as it creates newer values for our esteemed customers.

For details about our entire range of interconnect products, please visit our corporate website **www.amphenol.com.** Please visit **www.backshellworld.com** for more and up to date information on our backshell product line and industry trends.

### 3 Unique reasons..!!



#### **Leaders in Circular Connectors**

Amphenol companies in USA, Europe and Asia design, develop and manufacture circular connectors conforming to virtually all Military, Aerospace and Industrial standards for over 50 years. Since the Backshell is being used with connectors, every aspects of the connector design is to be considered while designing any Backshell. Amphenol, with its vast experience and expertise in connector design, has all the right inputs, both explicit and implicit, to make a good Backshell.



### **Cable Harnessing Expertise**

Amphenol has already moved up the value chain from the connector manufacturing to cable harnessing and then the system integration. Such subsystem and system integration experience enables Amphenol to understand even the most intricate requirement in terms of the application of a Backshell accessory, which is always an integral part of such assembly. Such practical insights are valuable and never compensated.



#### **Flexible and Fast Service**

Amphenol has a variety of standard Backshells to suit most interconnect needs. The more exciting feature is that Amphenol can provide **custom designed Back shells** quickly. With the on-line design inputs and approval facility, implementation of such flexible service becomes fast and timely.

# **CONTENTS**

GENERAL SECTION	Page No.	
Backshell Family	1	
Angle / Profile		4
Coupling Styles		5
How to select a Suitable Backshells?		6
Connector Group (Tables-1 A,B,C,D)		7 - 11
Material & Finish (Table-2)		12
Assembly Torque Value		13
DETAILED SECTION	Section	Page No.
Non - Environmental Backshell	I	I-1 - I-6
Environmental Backshell	II	II-1 - II-11
Non-environmental EMI / RFI Backshell	III	III-1 - III-13
Environmental EMI / RFI Backshell	IV	IV-1 - IV-19
Shrink Boot Adaptor	V	V-1 - V-3
Crimp Ring Adaptor	VI	VI-1 - VI-4
Band Lock Adaptor	VII	VII-1 - VII-3
Pre-shield Adaptor	VIII	VIII-1 - VIII-6
Quick Clamp	IX	IX-1 - IX-3
Strain Relief Clamp	X	X-1 - X-12
Grommet Nut	XI	XI-1 - XI-3
Cross Reference		Appendix 1

#### **BACKSHELL FAMILY**

Amphenol Backshells are available in different types for variety of applications. In ground and naval application the robustness and environmental sealing may be more important, where as weight may be prime consideration for space and Aerospace application. The following section explains the various families of Amphenol Backshells with its applications.

Some families of Backshells shown here can be used without any additional protection. Some other types of Backshells shown are generally used with heat shrink boots or similar protection/strain relief mechanism depending upon the specific requirements. Also there are some Clamps & Nuts for the applications where varying degrees of strain reliefs and cable holding will suffice and weight saving is of higher importance

#### Non Environmental Backshell



Amphenol Non Environmental Backshell is an effective cable holding mechanism with good strain relief when the environmental protection of the cable termination area is not a concern. Amphenol offers cost effective solutions by eliminating extra sealing parts.

This type of Backshell is suitable for an inside the box/climate controlled room application where heavy cabling should be supported with adequate strain relief.

#### **Environmental Backshell**



These Backshells from Amphenol not only provide the cable support and strain relief, but ensure the cable sealing and environment protection by means of high quality sealing grommet and grommet follower. The strain relief nut is tightened squeezing the grommet on to the cable jacket during assembly. These Backshells from Amphenol give 6 feet water sealing protection when used with perfectly jacketed cable and are suitable for harsh environment applications.

#### Non-Environmental EMI/RFI Backshell



360-degree screen termination facility is offered in this Backshell in addition to other features of the Non-Environmental type. Available in straight, 90 degree bent and 45 degree bent varieties, it accommodates both individual and overall shielding.

#### **Environmental EMI/RFI Backshell**



Both individual and overall shieldings can be terminated in this type in addition to the cable sealing as possible in the Environmental Backshell. It is an ideal choice for heavy duty cabling solutions in harsh environment situations where electromagnetic and radio frequency noises are to be isolated.

**Shrink Boot Adaptor** 



Amphenol shrink boot adapter is a good option when the unshielded cables are terminated with heat shrink boots. It has a groove where the boot lip can be held which provides good grip apart from sufficient space inside for the cable looping.

Using the heat shrink boot is one way of providing environmental protection and strain relief to cable termination. Using a suitable adapter is essential here to ensure the repairability. Amphenol shrink boot adapter is designed to provide excellent characteristics in all these parameters.

### **Crimp Ring Adaptor**



**Band Lock Adaptor** 

Many cable terminations where heat shrink boots are used will require provision for terminating the screens too. It is achieved in this type of back shell through a ring, which can be crimped to the back shell body holding the screens in between.

This is another method of termination of screens. A high quality band will do the job in this back shell. Tempered bands are tightened over the shields, which is pulled over the banding area, using special assembly tools. Suitable over cover by heat shrink boot or some other method as chosen by the designer could be used. Both crimp

ring and banded terminations give a low DC resistance.



**Pre-Shield Adaptor** 



This adaptor is supplied with some length of braid attached. This braid overlaps with the cable braid and effective shielding takes place due to its  $360^{\circ}$  contact. It is designed to accept heat shrink boot. Ease and less time for cable termination are the prime advantages here.

www.backshellworld.com

email: sales@backshellworld.com

# **SQ** Adaptor



This is another cost effective way to terminate the braid to the adaptor. The braid is pulled over the conical shape to the rear end of the adaptor and tied. The end nut is tightened to ensure adequate grip for the shielding. Heat shrink boot can be used with this adaptor too.

# **Quick Clamp**



Many applications call for just tidying up the cable in the desired direction with a "minimum weight" consideration. Amphenol Quick Clamps are useful for such applications. It finds applications in interior wiring of flying machines

### **Strain Relief Clamp**



Amphenol Strain Reliefs not only tidy-up the cable after termination but provide good strain relief at the termination area. It is a cost effective cable holding option when environmental protection is not a concern, and weight saving is a major consideration

#### **Grommet Nut**



Amphenol Back Nut provide a good grommet-holding force for the crimp connectors, when expensive and heavy back shells are not used. Such holding force is essential to hold the contacts and grommet in place when terminated with wire bundles.

# **Lamp Thread Adaptor**

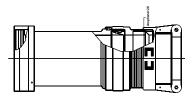


This adaptor is designed with threads similar to that in the lamp base for shield termination. It is very effective, easy and quick method of shield termination and field maintenance is also effortless. The termination area is designed to accept 'Nut' as well as 'Clamp'. The nut option enables the use of heat shrink boot and the clamp option will facilitate the strain relief clamping without heat shrink boot after the shield/cable termination.

#### **ANGLE / PROFILE**

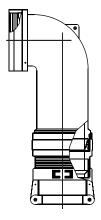
Amphenol Backshells are available in three different angular profiles as given in the section. These profiles will meet most of the cable routing required in the interconnect market. We can also make additional profiles if required. Please contact the factory or go to the web link http://www.backshellworld.com/customdesign.asp for the same.

### **Straight Backshells**



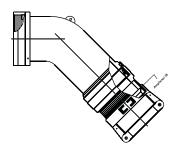
Straight Backshells are available in different length and cable entry diameter for most applications. Different cable and braid terminating systems are also available as shown in the respective product sections

#### 90° bent Backshells



Many applications require the cable to be bent and routed rather than straight routing. Space saving and convenience are two important features here. Amphenol offers 90° bent style in all the Backshell families.

#### 45° bent Backshells



Amphenol offers yet another style which allows the cable to be routed in  $45^{\circ}$  to the axis of the assembly. This increases the design flexibility.

#### **COUPLING STYLE**

Various coupling styles as shown here are possible for the coupling between the Backshell and the connector. Popular styles are shown in the respective Backshell section. However we can make all profiles for any Backshell. Please contact the factory or go to the web link <a href="http://www.backshellworld.com/customdesign.asp">http://www.backshellworld.com/customdesign.asp</a> for addressing your specific need.

# **Spin Coupling**



The coupling nut is captivated in the Backshell follower by suitable retention mechanism. This style facilitates the free rotation of the coupling nut and hence assembly of Backshell to the connector becomes easy without turning the entire Backshell body. Lock wire holes are provided on the coupling nut to prevent accidental decoupling when specified.

# **Self-Lock Coupling**



This style is same as that of Spin Coupling with the additional feature of 'self locking'. The free movement of the coupling nut is arrested by suitable device so that the accidental de-coupling is prevented within the specified vibration levels.

# **Direct coupling**



The coupling nut is eliminated in this design. Coupling end of the Backshell is designed for the direct fitment to the connector. This style finds applications when simple direct connectivity is sufficient.

#### How to select a suitable Backshell?

- 1. Based on the design and application considerations select the backshell type from the "Backshell Family" section in pages: 1-3
- 2. Go thru the "Angle/profile" and "Coupling Style" sections in pages: 4-5 and make up your mind about the configuration which suites your application.
- 3. Scan "Connector Group" (Tables: 1A-D) in pages: 7-11 and find out the group code of the connector for which you require the backshell.
- 4. Go to the respective detailed "Backshell family" section from Page: **I-1** where get in to the respective "Connector group"-"Angle/Profile" sub section and zero-in to the appropriate backshell version.
- 5. Complete the part number by selecting relevant data from the correct diagram and tables in the same section. Please go to Page-12 for Table-2, which gives many options for "Material & Finish".

This selection could be done in much easier way from our web link **Http://www.backshellworld.com/backshelldesigner.asp** 

#### Cross reference to other make Backshells.

If you have a Miltary part number or other manufacturer's part number for which you are looking for equivalent item, we have provided the same too in our web link **http://www.backshellworld.com/crossreference.aspx** which you will find very user friendly. Cross reference to the Military designation is provided in the Appendix - 1 of this catalogue.

#### **Custom built Backshells**

Backshells for Military & Aerospace applications are governed by SAE, AS85049 standard and Amphenol Backshells are designed to meet the requirement of this standard. Though this standard covers most popular styles of Backshells, many applications call for additional styles and designs. Here is where the capability of Amphenol will come for your help. We will support you from the concept to product realization and thereby your unique specification need is satisfied. Please visit our web link http://www.backshellworld.com/customdesign.asp for further help

# By Specification (TABLE-1A)

B		
Connector Specification	Series/Class	Connector Group Code
40M38277		К
40M39569		J
BS9520	G0001	К
BS9520	G0002	К
BS9520	G0003	L
BS9522 F0001	Patt 602	J
BS9522 F0012	Patt 615	М
BS9522 F0017	Patt 105	N
BS9522 F0020	Patt 608	N
BS9522 F0029	Patt 616	К
BS9522 F0042		J
BS9522 N0001	Patt 603	N
BS9522 N0003	Patt 614	К
CECC 75201.001		J
CECC 75201.002		L
DEF 5326-3		
EN 2997		J
EN 3645		L
EN 3646		J
EN3372		М
ESC 10		J
ESC11		J
JN1003		М
LN 29504		J
LN 29728		J
LN29729		М
MIL-C-81703	3	J
MIL-DTL-26482	2	J
MIL-DTL-38999		K
	11	K
MIL-DTL-38999	<del> </del>	L
MIL-DTL-38999		_
MIL-DTL-38999	IV MC040	L
MIL-DTL-5015	MS340	J
MIL-DTL-5015	MS345	J
MIL-DTL-83723	1	J
MIL-DTL-83723	III	J
NAS 1599	LIFOGG	. J
NFC93422	HE302	J
NFC93422	HE306	M
NFC93422	HE308	K
NFC93422	HE309	K
NFL 54140		J
PAN 6432-1	+	J
PAN 6432-2		J
PAN 6433-1	+	K
PAN6433-2		M
VG 96912	2	K
VG 96912	1	M

# By Military Part Number prefix (TABLE-1B)

	ry Fart Numbe		T,
Military part number prefix	Specification	Series/Class	Connector group code
D38999/20	MIL-DTL-38999	III	L
D38999/24	MIL-DTL-38999	III	L
D38999/26	MIL-DTL-38999	III	L
D38999/40	MIL-DTL-38999	IV	L
D38999/42	MIL-DTL-38999	IV	L
D38999/46	MIL-DTL-38999	IV	L
D38999/47	MIL-DTL-38999	IV	L
M83723/01	MIL-DTL-83723	ĺ	J
M83723/02	MIL-DTL-83723	1	J
M83723/03	MIL-DTL-83723	1	J
M83723/04	MIL-DTL-83723	I	J
M83723/05	MIL-DTL-83723	I	J
M83723/06	MIL-DTL-83723	ĺ	J
M83723/07	MIL-DTL-83723	ĺ	J
M83723/08	MIL-DTL-83723	I	J
M83723/13	MIL-DTL-83723	1	J
M83723/14	MIL-DTL-83723	I	J
M83723/36	MIL-DTL-83723	ı	J
M83723/37	MIL-DTL-83723	ı	J
M83723/38	MIL-DTL-83723	ı	J
M83723/39	MIL-DTL-83723	i i	J
M83723/40	MIL-DTL-83723	i	J
M83723/41	MIL-DTL-83723	i	J
M83723/42	MIL-DTL-83723	i	J
M83723/43	MIL-DTL-83723	i	J
M83723/48	MIL-DTL-83723	i	J
M83723/49	MIL-DTL-83723	i	J
M83723/65	MIL-DTL-83723	<del>iii</del>	J
M83723/66	MIL-DTL-83723		J
M83723/67	MIL-DTL-83723	 III	J
M83723/68	MIL-DTL-83723		J
M83723/69	MIL-DTL-83723		J
M83723/71	MIL-DTL-83723	<u>   </u>	J
M83723/72	MIL-DTL-83723	<u>   </u> 	J
M83723/73	MIL-DTL-83723	<u>   </u> 	J
		 	J
M83723/74	MIL-DTL-83723		J
M83723/75	MIL-DTL-83723	<u>                                     </u>	J
M83723/76	MIL-DTL-83723	<u>III</u>	J
M83723/77	MIL-DTL-83723	<u>                                     </u>	J
M83723/78	MIL-DTL-83723	<u>                                     </u>	<del> </del>
M83723/82	MIL-DTL-83723	<u> </u>	J
M83723/83	MIL-DTL-83723	<u> </u>	J
M83723/84	MIL-DTL-83723	<u>III</u>	J
M83723/85	MIL-DTL-83723	<u>                                      </u>	J
M83723/86	MIL-DTL-83723	<u>III</u>	J
M83723/87	MIL-DTL-83723	<u>III</u>	J
M83723/91	MIL-DTL-83723	<u>                                      </u>	J
M83723/92	MIL-DTL-83723	III	J
M83723/95	MIL-DTL-83723	III	J
M83723/96	MIL-DTL-83723	III	J

# By Military Part Number prefix (TABLE-1B)

Military part number prefix	Specification	Series/Class	Connector group code
M83723/97	MIL-DTL-83723	III	J
M83723/98	MIL-DTL-83723	III	J
MS27466	MIL-DTL-38999	ı	К
MS27467	MIL-DTL-38999	i	K
MS27468	MIL-DTL-38999	i	K
MS27472	MIL-DTL-38999	i	K
			K
MS27473 MS27474	MIL-DTL-38999 MIL-DTL-38999	II II	K
MS27474 MS27475	MIL-DTL-38999 MIL-DTL-38999	II	K
MS27479	MIL-DTL-38999	II	K
MS27480	MIL-DTL-38999	II	K
MS27481	MIL-DTL-38999	II	K
MS27482	MIL-DTL-38999	ii	K
MS27484	MIL-DTL-38999	II	K
MS27497	MIL-DTL-38999	II	K
MS27498	MIL-DTL-38999	I	K
MS27500	MIL-DTL-38999	П	K
MS27652	MIL-DTL-38999	I	K
MS27653	MIL-DTL-38999	I	K
MS27654	MIL-DTL-38999	I	K
MS27656	MIL-DTL-38999	I	K
MS27665	MIL-DTL-38999	I	K
MS3400	MIL-DTL-5015	MS340/MS345	J
MS3401	MIL-DTL-5015	MS340/MS345	J
MS3404	MIL-DTL-5015	MS340/MS345	J
MS3406	MIL-DTL-5015	MS340/MS345	J
MS3408	MIL-DTL-5015	MS340/MS345	J
MS3409	MIL-DTL-5015	MS340/MS345	J
MS3412	MIL-DTL-5015	MS340/MS345	J
MS3424	MIL-C-81703	3	J
MS3446	MIL-C-81703	3	J
MS3450	MIL-DTL-5015	MS340/MS345	J
MS3451	MIL-DTL-5015	MS340/MS345	J
MS3454	MIL-DTL-5015 MIL-DTL-5015	MS340/MS345	J
MS3456 MS3459	MIL-DTL-5015	MS340/MS345 MS340/MS345	J
MS3464	MIL-C-81703	3	J
MS3467	MIL-C-81703	3	J
MS3468	MIL-C-81703	3	J
MS3470	MIL-DTL-26482	2	J
MS3471	MIL-DTL-26482	2	J
MS3472	MIL-DTL-26482	2	J
MS3474	MIL-DTL-26482	2	J
MS3475	MIL-DTL-26482	2	J
MS3476	MIL-DTL-26482	2	J
NAS1599	MIL-C-81703	3	J
NAS1641	MIL-C-81703	3	J
NAS1642	MIL-C-81703	3	J
NAS1643	MIL-C-81703	3	J
NAS1650	MIL-C-81703	3	J
NAS1651	MIL-C-81703	3	J
NAS1652	MIL-C-81703	3	J
NAS1653	MIL-C-81703	3	J
NAS1692	MIL-C-81703	3	J
NAS1693	MIL-C-81703	3	J
NAS1694	MIL-C-81703	3	J

**Table Continued** 

# By Military Part Number prefix (TABLE-1B)

Military part number prefix	Specification	Series/Class	Connector group code
NAS1699	MIL-C-81703	3	J
NAS1700	MIL-C-81703	3	J
NAS1701	MIL-C-81703	3	J
NAS1702	MIL-C-81703	3	J
NATC00	SSQ21635		L
NATC06	SSQ21635		L
NATC07	SSQ21635		L
NB4	40M39569		J
NB6	40M39569		J
NB6G	40M39569		J
NB7	40M39569		J
NBO	40M39569		J
NLS6	40M39569		K
NLS6G	40M39569		K
NLS7	40M39569		K
NLSO	40M39569		K

#### By Manufacturer's Part Number prefix (TABLE-1C)

10-475         Amphenol/Bendix/Socapex/Pyle         K           118         Amphenol/Bendix/Socapex/Pyle         J           128GB         Amphenol/Bendix/Socapex/Pyle         N           2PSN         Plessey Connector         N           381         Deutsch         J           418-1         Amphenol/Bendix/Socapex/Pyle         K           418-2         Amphenol/Bendix/Socapex/Pyle         K           418-5         Amphenol/Bendix/Socapex/Pyle         M           418-6         Amphenol/Bendix/Socapex/Pyle         J           518         Amphenol/Bendix/Socapex/Pyle         J           518         Amphenol/Bendix/Socapex/Pyle         J           620GB         Amphenol/Bendix/Socapex/Pyle         J           620GB         Amphenol/Bendix/Socapex/Pyle         J           652         Amphenol/Bendix/Socapex/Pyle         J           66         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           837         Deutsch         J           837         Souriau         J           8520	Manufacturer's part number	Manufacturer	Connector group code
162GB         Amphenol/Bendix/Socapex/Pyle         N           2PSN         Plessey Connector         N           381         Deutsch         J           418-1         Amphenol/Bendix/Socapex/Pyle         K           418-2         Amphenol/Bendix/Socapex/Pyle         K           418-5         Amphenol/Bendix/Socapex/Pyle         M           486         Amphenol/Bendix/Socapex/Pyle         J           518         Amphenol/Bendix/Socapex/Pyle         J           602GB         Amphenol/Bendix/Socapex/Pyle         J           62CB         Amphenol/Bendix/Socapex/Pyle         J           652         Amphenol/Bendix/Socapex/Pyle         J           663         Glenair         L           7711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           837         Deutsch         J           837         Deutsch         J           837         Deutsch         J           851         Souriau         J           8520         Souriau         J           8521         Souriau         J           853	10-475	Amphenol/Bendix/Socapex/Pyle	K
2PSN         Plessey Connector         N           381         Deutsch         J           418-1         Amphenol/Bendix/Socapex/Pyle         K           418-2         Amphenol/Bendix/Socapex/Pyle         K           418-5         Amphenol/Bendix/Socapex/Pyle         J           486         Amphenol/Bendix/Socapex/Pyle         J           518         Amphenol/Bendix/Socapex/Pyle         J           602GB         Amphenol/Bendix/Socapex/Pyle         J           652         Amphenol/Bendix/Socapex/Pyle         J           653         Glenair         L           654         Glenair         L           655         Glenair         L           666         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           837         Deutsch         J           837         Deutsch         J           851         Souriau         J           8520         Souriau         J           8525         Souriau         J           853         Souriau         J </td <td>118</td> <td>Amphenol/Bendix/Socapex/Pyle</td> <td>J</td>	118	Amphenol/Bendix/Socapex/Pyle	J
381         Deutsch         J           418-1         Amphenol/Bendix/Socapex/Pyle         K           418-2         Amphenol/Bendix/Socapex/Pyle         K           418-5         Amphenol/Bendix/Socapex/Pyle         M           486         Amphenol/Bendix/Socapex/Pyle         J           518         Amphenol/Bendix/Socapex/Pyle         J           602GB         Amphenol/Bendix/Socapex/Pyle         J           652         Amphenol/Bendix/Socapex/Pyle         N           652         Amphenol/Bendix/Socapex/Pyle         J           663         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           837         Deutsch         J           837         Deutsch         J           851         Souriau         J           8520         Souriau         J           8525         Souriau         J <td>162GB</td> <td>Amphenol/Bendix/Socapex/Pyle</td> <td>N</td>	162GB	Amphenol/Bendix/Socapex/Pyle	N
418-1         Amphenol/Bendix/Socapex/Pyle         K           418-2         Amphenol/Bendix/Socapex/Pyle         K           418-5         Amphenol/Bendix/Socapex/Pyle         M           486         Amphenol/Bendix/Socapex/Pyle         J           518         Amphenol/Bendix/Socapex/Pyle         J           602GB         Amphenol/Bendix/Socapex/Pyle         J           662         Amphenol/Bendix/Socapex/Pyle         N           655         Glenair         L           666         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           837         Deutsch         J           837         Deutsch         J           837         Deutsch         J           851         Souriau         J           8520         Souriau         J           8520         Souriau         J           8523         Souriau         J           8534         Souriau         J           857         Souriau         J           887         Souriau         J     <	2PSN	Plessey Connector	N
418-2         Amphenol/Bendix/Socapex/Pyle         K           418-5         Amphenol/Bendix/Socapex/Pyle         M           486         Amphenol/Bendix/Socapex/Pyle         J           518         Amphenol/Bendix/Socapex/Pyle         J           602GB         Amphenol/Bendix/Socapex/Pyle         J           652         Amphenol/Bendix/Socapex/Pyle         J           65         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           86         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           837         Deutsch         J           837         Deutsch         J           851         Souriau         J           8520         Souriau         J           8525         Souriau         J           8526         Souriau         J           8533         Souriau         J           853         Souriau         J           857         Souriau	381	Deutsch	J
418-5         Amphenol/Bendix/Socapex/Pyle         M           486         Amphenol/Bendix/Socapex/Pyle         J           518         Amphenol/Bendix/Socapex/Pyle         J           602GB         Amphenol/Bendix/Socapex/Pyle         J           62GB         Amphenol/Bendix/Socapex/Pyle         J           65         Glenair         L           652         Amphenol/Bendix/Socapex/Pyle         J           66         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           83723         Souriau         J           851         Souriau         J           8520         Souriau         J           8525         Souriau         J           8526         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           88 T	418-1	Amphenol/Bendix/Socapex/Pyle	K
486         Amphenol/Bendix/Socapex/Pyle         J           518         Amphenol/Bendix/Socapex/Pyle         J           602GB         Amphenol/Bendix/Socapex/Pyle         J           62GB         Amphenol/Bendix/Socapex/Pyle         N           65         Glenair         L           652         Amphenol/Bendix/Socapex/Pyle         J           66         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           851         Souriau         J           852         Souriau         J           851         Souriau         J           8525         Souriau         J           853         Souriau         J           853         Souriau         J           857 </td <td>418-2</td> <td>Amphenol/Bendix/Socapex/Pyle</td> <td>K</td>	418-2	Amphenol/Bendix/Socapex/Pyle	K
518         Amphenol/Bendix/Socapex/Pyle         J           602GB         Amphenol/Bendix/Socapex/Pyle         J           62GB         Amphenol/Bendix/Socapex/Pyle         N           65         Glenair         L           652         Amphenol/Bendix/Socapex/Pyle         J           66         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           83723         Souriau         J           83730         Deutsch         J           851         Souriau         J           8520         Souriau         J           8525         Souriau         J           8523         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           88         Souriau         J           8B         Souriau         J           8B         Souriau         J           8B         Souriau         J           8BT         Souriau         <	418-5	Amphenol/Bendix/Socapex/Pyle	M
602GB         Amphenol/Bendix/Socapex/Pyle         J           62GB         Amphenol/Bendix/Socapex/Pyle         N           65         Glenair         L           652         Amphenol/Bendix/Socapex/Pyle         J           66         Glenair         L           7711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           83723         Souriau         J           83723         Souriau         J           851         Souriau         J           851         Souriau         J           8520         Souriau         J           8525         Souriau         J           8533         Souriau         J           8533         Souriau         J           857         Souriau         J           89         Souriau         J           80         Souriau         L           81-T         Souriau         L           81-T         Souriau         K           857         Souriau         L           81-T         Souriau         L           81-T         Souriau         L     <	486	Amphenol/Bendix/Socapex/Pyle	J
62GB         Amphenol/Bendix/Socapex/Pyle         N           65         Glenair         L           652         Amphenol/Bendix/Socapex/Pyle         J           666         Glenair         L           7111         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           83723         Souriau         J           83723         Souriau         J           851         Souriau         N           8520         Souriau         J           8520         Souriau         J           8525         Souriau         J           8526         Souriau         J           853         Souriau         J           853         Souriau         J           853         Souriau         J           857         Souriau         J           887         Souriau         J           89         Souriau         K           8T         Souriau         K           8T         Souriau         K           8T         Souriau         K           8T	518	Amphenol/Bendix/Socapex/Pyle	J
65         Glenair         L           652         Amphenol/Bendix/Socapex/Pyle         J           66         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           83723         Souriau         J           83730         Deutsch         J           851         Souriau         J           8520         Souriau         J           8525         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           857         Souriau         J           89         Souriau         J           8D         Souriau         J           8T         Souriau         J           8T         Souriau         K           8T         Souriau         K           8T         Souriau         K           8T         Souriau         K           8T         Souriau         J           8T         Souriau <td>602GB</td> <td>Amphenol/Bendix/Socapex/Pyle</td> <td>J</td>	602GB	Amphenol/Bendix/Socapex/Pyle	J
652         Amphenol/Bendix/Socapex/Pyle         J           66         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           83723         Souriau         J           83730         Deutsch         J           851         Souriau         N           8520         Souriau         J           8525         Souriau         J           8526         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           89         Souriau         J           89         Souriau         J           80         Souriau         J           857         Souriau         J           88T         Souriau         K           85T         Souriau         K           85T         Souriau         K           85T         Souriau         J           85T         Souriau         J           85T         So	62GB	Amphenol/Bendix/Socapex/Pyle	N
66         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           83723         Souriau         J           83730         Deutsch         J           851         Souriau         J           8520         Souriau         J           8525         Souriau         J           8526         Souriau         J           853         Souriau         J           857         Souriau         J           857         Souriau         J           89         Souriau         K           85T         Souriau         K           85T         Souriau         K           85T         Souriau         K           85T         Souriau         J           85T         Souriau <t< td=""><td>65</td><td>Glenair</td><td>L</td></t<>	65	Glenair	L
66         Glenair         L           711         Amphenol/Bendix/Socapex/Pyle         J           801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           83723         Souriau         J           83730         Deutsch         J           851         Souriau         N           8520         Souriau         J           8525         Souriau         J           8526         Souriau         J           853         Souriau         J           857         Souriau         J           89         Souriau         J           80         Souriau         K           85T         Souriau         K           85T         Souriau         K           85T         Souriau         K           85T         Souriau         J           85T         Souriau <td< td=""><td>652</td><td>Amphenol/Bendix/Socapex/Pyle</td><td>J</td></td<>	652	Amphenol/Bendix/Socapex/Pyle	J
801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           83723         Souriau         J           83730         Deutsch         J           851         Souriau         N           8520         Souriau         J           8525         Souriau         J           8526         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           89         Souriau         J           80         Souriau         K           85T         Souriau         K           8T         Souriau         K	66	Glenair	L
801         Amphenol/Bendix/Socapex/Pyle         J           837         Deutsch         J           83723         Souriau         J           83730         Deutsch         J           851         Souriau         N           8520         Souriau         J           8525         Souriau         J           8526         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           89         Souriau         J           80         Souriau         K           85T         Souriau         K           8T         Souriau         K	711	Amphenol/Bendix/Socapex/Pvle	J
837         Deutsch         J           83723         Souriau         J           83730         Deutsch         J           851         Souriau         N           8520         Souriau         J           8525         Souriau         J           8526         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           89         Souriau         J           80         Souriau         L           8T         Souriau         K           8T			
83723         Souriau         J           83730         Deutsch         J           851         Souriau         N           8520         Souriau         J           8525         Souriau         J           853         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           89         Souriau         J           80         Souriau         K           85T         Souriau         K           8T         Souriau         J           8T			+
88730         Deutsch         J           851         Souriau         N           8520         Souriau         J           8525         Souriau         J           8526         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           89         Souriau         J           80         Souriau         K           857         Souriau         J           89         Souriau         J           80         Souriau         K           857         Souriau         J           857<			+
851         Souriau         N           8520         Souriau         J           8525         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           89         Souriau         J           8D         Souriau         L           8LT         Souriau         K           8ST         Souriau         K           8T         Souriau         J           8T <td< td=""><td></td><td></td><td></td></td<>			
8520         Souriau         J           8525         Souriau         J           853         Souriau         J           8533         Souriau         J           8534         Souriau         J           857         Souriau         J           89         Souriau         J           8D         Souriau         K           8T         Souriau         J           8T         S			+
8525         Souriau         J           8526         Souriau         J           853         Souriau         J           8534         Souriau         J           857         Souriau         J           89         Souriau         J           8D         Souriau         K           8LT         Souriau         K           8ST         Souriau         K           8T         Souriau         K           91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         J           AE77         Aero-Elect			
8526         Souriau         J           853         Souriau         J           8533         Souriau         J           8574         Souriau         J           857         Souriau         J           89         Souriau         J           8D         Souriau         K           8LT         Souriau         K           8ST         Souriau         K           8T         Souriau         K           91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Elect			+
853         Souriau         J           8533         Souriau         J           857         Souriau         J           89         Souriau         J           8D         Souriau         L           8LT         Souriau         K           8ST         Souriau         K           8T         Souriau         K           91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           991         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE55         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch<			
8533         Souriau         J           8534         Souriau         J           857         Souriau         J           89         Souriau         L           8LT         Souriau         K           8ST         Souriau         M           8T         Souriau         K           91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFD         Deut			
8534         Souriau         J           857         Souriau         J           89         Souriau         L           8D         Souriau         K           8T         Souriau         M           M         M         M           8T         Souriau         M           M         M         M           8T         Souriau         M           M         M         M         M           8T         Deutsch         J           91         Deutsch         J         J           951         Deutsch         J         J           981         Deutsch         K         K			
857         Souriau         J           89         Souriau         L           8D         Souriau         K           8LT         Souriau         M           8ST         Souriau         M           8T         Souriau         K           91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE77         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFD			+
89         Souriau         L           8D         Souriau         L           8LT         Souriau         K           8ST         Souriau         M           8T         Souriau         K           91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE77         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE			
8D         Souriau         L           8LT         Souriau         K           8ST         Souriau         M           8T         Souriau         K           91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE77         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           AFE <td< td=""><td></td><td></td><td></td></td<>			
8LT         Souriau         K           8ST         Souriau         M           8T         Souriau         K           91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951-50         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           AFE			
8ST         Souriau         M           8T         Souriau         K           91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951-50         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J			
8T         Souriau         K           91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951-50         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         L           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L			
91-483         Amphenol/Bendix/Socapex/Pyle         J           944         Matrix         J           951         Deutsch         J           951-50         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         K           ABJ         AB Electronics         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector			
944         Matrix         J           951         Deutsch         J           951-50         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         K           ABJ         AB Electronics         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AFB3         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         J         J  <			
951         Deutsch         J           951-50         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         K           4899.1         Deutsch         K           ABJ         AB Electronics         K           ABJ         AB Electronics         K           AE22         Aero-Electric         K           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle			+
951-50         Deutsch         J           981         Matrix         J           983         Deutsch         J           991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           ABJ         AB Electronics         K           AE22         Aero-Electric         L           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AFB3         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J			
981         Matrix         J           983         Deutsch         J           991         Deutsch         K           999.1         Deutsch         K           ABJ         AB Electronics         K           ABJ         AB Electronics         K           AE22         Aero-Electric         L           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J			-
983         Deutsch         J           991         Deutsch         K           999.1         Deutsch         K           ABJ         AB Electronics         K           ABJ         AB Electronics         K           AE22         Aero-Electric         L           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AFB3         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J			<del></del>
991         Deutsch         J           999.1         Deutsch         K           ABJ         AB Electronics         K           ABJ         AB Electronics         K           AE22         Aero-Electric         L           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AFB3         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	981	Matrix	
999.1         Deutsch         K           ABJ         AB Electronics         K           AE22         Aero-Electric         L           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         J           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J		Deutsch	
ABJ         AB Electronics         K           AE22         Aero-Electric         L           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         K           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	991	Deutsch	
AE22         Aero-Electric         L           AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         K           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	999.1	Deutsch	K
AE46         Aero-Electric         K           AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         K           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	ABJ	AB Electronics	K
AE47         Aero-Electric         K           AE48         Aero-Electric         K           AE49         Aero-Electric         K           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	AE22	Aero-Electric	
AE48         Aero-Electric         K           AE49         Aero-Electric         K           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	AE46	Aero-Electric	
AE49         Aero-Electric         K           AE55         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	AE47	Aero-Electric	K
AE55         Aero-Electric         J           AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	AE48	Aero-Electric	K
AE77         Aero-Electric         J           AE83         Aero-Electric         J           AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	AE49	Aero-Electric	K
AE83         Aero-Electric         J           AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	AE55	Aero-Electric	J
AE83         Aero-Electric         J           AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	AE77	Aero-Electric	J
AFD         Deutsch         J           AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	AE83	Aero-Electric	J
AFD5         Deutsch         J           AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J	AFD		J
AFE         Deutsch         J           B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J			
B         Amphenol/Bendix/Socapex/Pyle         J           BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J			_
BE         Amphenol/Bendix/Socapex/Pyle         J           BL         Flight Connector         L           BT         Amphenol/Bendix/Socapex/Pyle         J			+
BL Flight Connector L BT Amphenol/Bendix/Socapex/Pyle J			+
BT Amphenol/Bendix/Socapex/Pyle J			
			+
	BY1	Amphenol/Bendix/Socapex/Pyle	J

**Table Continued** 

#### By Manufacturer's Part Number prefix (TABLE-1C)

Manufacturer's part number	Manufacturer	Connector group code
CGK	ITT Cannon	M
CN0930	TRW	J
CNO	G & H technology	L
CNO930	Labinal/Cinch	J
CT	Burndy	K
СТ	Plessey Connector	К
CT-R	AB Electronics	К
CT-R	Plessey Connector	К
CV340	ITT Cannon	J
CV345	ITT Cannon	J
D817	Deutsch	J
DBA	Deutsch	J
DBA7	Deutsch	J
		J
DBAS	Deutsch	
DFE	Deutsch	J
DIV4	Deutsch	<u> </u>
DL	Deutsch	J
DL6	Deutsch	J
DTS	Deutsch	L
DVG	Deutsch	J
EA	Amphenol/Bendix/Socapex/Pyle	J
EB	Amphenol/Bendix/Socapex/Pyle	J
EEG	Amphenol/Bendix/Socapex/Pyle	J
ES	Amphenol/Bendix/Socapex/Pyle	J
ET	Amphenol/Bendix/Socapex/Pyle	J
FDBA	Deutsch	J
FF	Deutsch	J
FF	Flight Connector	J
FH	Flight Connector	J
HDJ	Deutsch	М
HTMF	ITT Cannon	J
JT	Amphenol/Bendix/Socapex/Pyle	K
JT 3400	J-Tech	J
JT 3450	J-Tech	J
JT-R	FKI	K
		K
JT-R	Teldix	
JTVG 95234	J-Tech	J
JVS	Souriau	L
KJ	ITT Cannon	K
KJA	ITT Cannon	L L
KJAD/V4	ITT Cannon	L
KJL	ITT Cannon	K
KV-R	ITT Cannon	J
LJT	Amphenol/Bendix/Socapex/Pyle	K
LS	Amphenol/Bendix/Socapex/Pyle	J
LTT	FKI	K
MB1	Matrix	J
MB3	Matrix	J
MB9	Matrix	K
MD	Matrix	J
MF	ITT Cannon	J
MFG	ITT Cannon	J
MK 12	AB Electronics	N
MK 18	AB Electronics	N
MK 8	AB Electronics	N
MK12	Plessey Connector	N
MK25	-	K
	Plessey Connector	K
MK38	Plessey Connector	I.

# Connector Group (Table - 1 A, B, C, D)

### By Manufacturer's Part Number prefix (TABLE-1C)

MK8         Plessey Connector           ML94         Matrix           MQ3         Matrix           MT3         Matrix           MT93         Matrix           P5         Plessey Connector           PL         Deutsch           PT         ITT Cannon	N L
MQ3         Matrix           MT3         Matrix           MT93         Matrix           P5         Plessey Connector           PL         Deutsch	1
MT3         Matrix           MT93         Matrix           P5         Plessey Connector           PL         Deutsch	_
MT93         Matrix           P5         Plessey Connector           PL         Deutsch	J
P5 Plessey Connector PL Deutsch	J
PL Deutsch	L
	N
PT ITT Cannon	L
	N
PT33 FKI	N
PT33SE FKI	N
PT44 FKI	N
PT44SE FKI	N
PT55 FKI	N
PT55SE FKI	N
PT77 FKI	N
PT77SE FKI	N
PTG55 FKI	N
PTG55SE FKI	N
PTS-DR Amphenol/Bendix/Socapex/Pyle	J
PT-SE ITT Cannon	N
PV7 ITT Cannon	J
PVA ITT Cannon	J
PV-G ITT Cannon	J
PVJ ITT Cannon	J
PV-S ITT Cannon	J
PVW ITT Cannon	J
PVX ITT Cannon	J
RD1 Raychem	J
RR Deutsch	J
RR20 Deutsch	J
RR50 Deutsch	J
RR70 Deutsch	J
	J
RR70 Deutsch	J
SA SAE	+
SJT Amphenol/Bendix/Socapex/Pyle	M
STT FKI	M
STT ITT Cannon	M
T3 Amphenol/Bendix/Socapex/Pyle	L
TT FKI	K
TT / TTPQ ITT Cannon	K
TT / TTPQ ITT Cannon	K
TV Amphenol/Bendix/Socapex/Pyle	L
TVP FKI /Bendix	L
TVRB Amphenol/Bendix/Socapex/Pyle	L
TVS Amphenol/Bendix/Socapex/Pyle	L
VTT FKI	L

# **By Manufacturer (TABLE-1D)**

Manufacturer's part number prefix	Connector group code
AB Electronics	
ABJ	K
CT-R	K
MK 12	N
MK 18	N
MK 8	N
Aero-Electric	I N
AE22	L
AE46	K
AE47	K
AE48	K
AE49	K
AE55	J
AE77	J
	J
AE83	
Amphenol/Bend Socapex/Pyle	IIX/
10-475	K
118	J
162GB	N
418-1	K
418-2	K
418-5	M
486	J
518	J
602GB	J
62GB	N
652	J
711	J
801	J
91-483	J
В	J
BE	J
BT	J
BY1	J
EA	J
EB	J
EEG	J
ES	J
ET	J
JT	K
LJT	K
LS	J
PTS-DR	J
SJT	M
T3	L
TV	L
TVRB	ī
TVS	ī
1 7 3	

Manufacturer's part number prefix	Connector group code
Burndy	
CT	K
Deutsch	
381	J
837	J
83730	J
RR70	J
RR70 <b>FKI</b>	J
JT-R	K
LTT	K
PT33	N
PT33SE	N
PT44	N
PT44SE	N
PT55	N
PT55SE	N
PT77	N
PT77SE	N
PTG55	N
PTG55SE	N
STT	M
TT	K
VTT	L
TVP	L
Flight Connector	
BL	L
FF	J
FH	J
G & H technology	I
CNO	L
Glenair	
65	L
66	L
ITT Cannon	•
CGK	М
CV340	J
CV345	J
HTMF	J
KJ	K
KJA	L
KJAD/V4	L
KJL	K
MB3	J
MB9	K
MD	J
ML94	L
MQ3	J
MT3	J
MT93	L

	1	
Manufacturer's	Connector	
part number prefix	group code	
Plessey Connecte		
2PSN	N	
CT	K	
CT-R	K	
MK12	N	
MK25	K	
MK38	K	
MK8	N	
P5	N	
Raychem		
RD1	J	
Souriau		
83723	J	
851	N	
8520	J	
8525	J	
8526	J	
853	J	
8533	J	
8534	J	
857	J	
89	J	
8D	L	
8LT	K	
8ST	М	
8T	K	
JVS	L	
Teldix		
JT-R	K	
TRW/Cinch		
CN0930	J	

#### **MATERIAL AND FINISHES**

#### **FINISH (TABLE-2)**

Amphenol offers adaptors in the following standard finishes, which are not exhaustive. For additional finishes specially required if any, please contact factory. The base material is Aluminium alloy.

### **Table-2 (Plating Finishes)**

Amphenol Designation	MIL designation	Finish	Guiding specifications/Requirements
А	Α	Anodize,Black*	To meet AS85049 requirements
В		Anodize,Hard*	AMS-A-8625,Type-III,Class-1
L		Nickel,Bright	AMS-QQ-290,Class-1,Grade-F
М		Electroless Nickel	AMS-C-26074,Class-4,grade-B
N	N	Electroless Nickel	To meet AS85049 requirements
Т		Cadmium,Bright	AMS-QQ-P-416,Type-I,Class-2
U		Cadmium,Olive drab	AMS-QQ-P-416,Type-II,Class-3
V		Cadmium,Olive drab over Electroless Nickel	AMS-QQ-P-416,Type-II,Class-3(Cadmium); AMS-C-26074,Class-4,grade-B(Nickel)
W	W	Cadmium,Olive drab over Electroless Nickel	To meet AS85049 requirements
Υ		Zinc-Cobalt,Dark Olive drab	ASTM-B840
Z		Zinc-Cobalt,Black	ASTM-B840

<sup>\*</sup> Non conductive coatings.

#### **MATERIAL:**

Aluminum parts: As per ASTM B 211,221,209,85,26 Steel parts: 300series,as per AMS-QQ-S-763/ASTM A 582

Elastomers: Fluro Silicon, Silicon

Other parts: Suitable corrosion resistant material

### **MIL (QPL) Qualification**

Many Amphenol Backshells are qualified to SAE-AS 85049 standard. Qualification status of each item shown in this catalogue may change and therefore please check with us or refer "Qualified Product List" to know our exact qualification status at any time. A valid offer for a MIL part Number at any time from Amphenol will only constitute our claim of approval validity.

### **ASSEMBLY TORQUE VALUE**

Amphenol recommends the following assembly torque values for its adaptors while assembling to the connectors. These values are based on the coupling thread strength specified in SAE-AS85049 standard

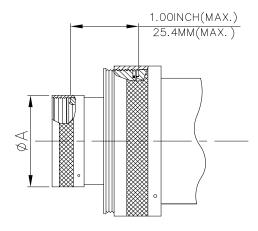
Connector shell Size	Torque (Inch-Pounds)
8,9	40
3, 10, 10SL, 11	40
7, 12, 12S, 13	40
14, 14S, 15	40
16, 16S, 17	40
18, 19, 27	40
20, 21, 37	80
22, 23	80
24, 25, 61	80
28	100
32	100
36	100
40	120
44	120
48	120

### **GUIDING SPECIFICATION**

As per SAE, AS85049 standard (Old standard is MIL-C-85049).

#### **Style-2 Cofiguration**

Some design consideration will require bigger diameter cable to be terminated in the smaller shell size connectors. Cable with heavy/thicker shielding, many wires for different branches/routing are some of the examples. Such cable termination will require a bigger adaptor body with cable entry dimensions more than the connector rear side dimentions. Amphenol support this kind of applications too. The coupling end of the adaptor will be modified to Style-2 design as shown in the figure in such cases. The overall length of the style-2 design adaptors would be increased by approx 1inch (25.4mm) as shown. This alternate design is applicable for all the 'Backshell Families' listed in this catalogue



# **NON - ENVIRONMENTAL BACKSHELL**



Amphenol Non Environmental Backshell is an effective cable holding mechanism with good strain relief when the environmental protection of the cable termination area is not a concern. Amphenol offers cost effective solutions by eliminating extra sealing parts.

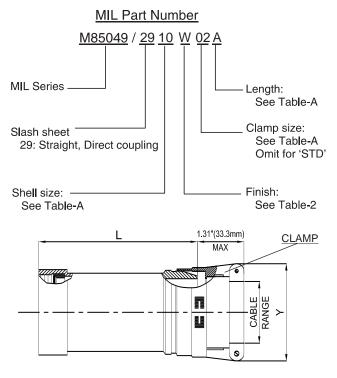
This type of Backshell is suitable for an inside the box/climate controlled room application where heavy cabling should be supported with adequate strain relief.

For Connector Group	Page No.
K	→ I-1 - I-3
L	→ I-4 - I-6

Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

**Connector Group - K** 

**Straight** 



NOTE: \* For more cable entry and length options, contact factory

			T.	ABLE	- A						
NUMBER I	PART DESIGNA	TOR	CONNECTOR			RANG	<b>=</b>	L (ľ	ЛАХ)	Y (N	IAX)
ACCESSORY	CLAMP		SHELL SIZE	M	IN	M	AX				
SHELL SIZE	SIZE	LENGTH	SE – II / I	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
00	01	STD.	0.40	0.06	1.57	0.13	3.18	1.03 2.03	26.16 51.56	0.78	19.81
08	02	STD.	8/9	0.13	3.18	0.25	6.35	1.03	26.16 51.56	0.97	24.64
	01	STD.		0.06	1.57	0.13	3.18	1.03	26.16 51.56	0.78	19.81
10	02	STD.	10 / 11	0.13	3.18	0.25	6.35	1.03	26.16 51.56	0.97	24.64
	03	STD.		0.25	6.35	0.38	9.53	1.03	26.16 51.56	1.06	26.92
	02	STD.		0.13	3.18	0.25	6.35	1.03	26.16 51.56	0.97	24.64
12	03	STD.	12 / 13	0.25	6.35	0.38	9.53	1.03	26.16 51.56	1.06	26.92
	04	STD.	12/13	0,31	7.92	0.50	12.70	1.03	26.16 51.56	1.16	29.46
	02	STD.		0.13	3.18	0.25	6.35	1.03	26.16 51.56	0.97	24.64
		B STD.						3.03	76.96 26.16		
14	03	A		0.25	6.35	0.38	9.53	2.03	51.56 76.96	1.06	26.92
14 -	04	STD. A	14 / 15	0.31	7.92	0.50	12.70	1.03 2.03 3.03	26.16 51.56 76.96	1.16	29.46
05 A B		STD.		0.44	11.10	0.63	15.88	1.03 2.03 3.03	26.16 51.56 76.96	1.25	31.75

# Non - Environmental Backshell

# **Connector Group - K**

			T.	ABLE	- A																							
	PART	TOP	CONNECTOR		CABLE	RANGE	=	L (I	MAX)	Y (N	IAX)																	
ACCESSORY		IOR	CONNECTOR SHELL SIZE	М	IN	M	AX	,		·																		
SHELL SIZE	CLAMP SIZE	LENGTH	SE - II / I	INCH	мм	INCH	мм	INCH	мм	INCH	мм																	
		STD.						1.03	26.16																			
	02	Α	]	0.13	3.18	0.25	6.35	2.03	51.56	0.97	24.64																	
		B STD.						3.03 1.03	76.96																			
	03	A A	1	0.25	6.35	0.38	9.53	2.03	26.16 51.56	1.06	26.92																	
		В						3.03	76.96																			
		STD	10/17					1.03	26.16																			
16	04	A B	16 / 17	0.31	7.92	0.50	12.70	2.03 3.03	51.56	1.16	29.46																	
		STD.						1.03	76.96 26.16																			
	05	A	1	0.44	11.10	0.63	15.88	2.03	51.56	1.25	31.75																	
		В	]					3.03	76.96																			
	06	STD.		0.56	14.27	0.75	10.05	1.03	26.16	1 20	25 OF																	
	06	A B		0.56	14.27	0.75	19.05	2.03	51.56 76.96	1.38	35.05																	
		STD.						1.03	26.16																			
	03	Α	]	0.25	6.35	0.38	9.53	2.03	51.56	1.06	26.92																	
		В						3.03	76.96																			
	04	STD.		0.31	7.92	0.50	12.70	1.03 2.03	26.16 51.56	1.16	29.46																	
18	04	В		0.01	7.02	0.50	12.70	3.03	76.96	1.10	25.40																	
		STD.						1.03	26.16																			
	05	A	18 / 19	0.44	11.10	0.63	15.88	2.03	51.56	1.25	31.75																	
		B STD,					3.03 1.03	76.96 26.16																				
	06	A A		0.56	14.27	0.75	19.05	2.03	51.56	1.38	35.05																	
		В					10.00	3.03	76.96																			
	0.7	STD.				]	]	_	_	-		]	-		_	<b>-</b>	]		<u> </u>	-	_	0.00	47.45	0.00	00.00	1.03	26.16	4.50
	07	A B		0.69   17.45   0.88   22.20	22.23	2.03 3.03	51.56 76.96	1.50	38.10																			
		STD.						1.03	26.16																			
	03	Α		0.25	6.35	0.38	9.53	2.03	51.56	1.06	26.92																	
		В		0.23	0.00	0.00	0.00	3.03	76.96	1.00	20.02																	
		C STD,	1					4.03 1.03	102.36 26.16																			
	0.4	A A		0.04	7.00	0.50	10.70	2.03	51.56	1 10	00.40																	
	04	В	]	0.31	7.92	0.50	12.70	3.03	76.96	1.16	29.46																	
		С	ļ					4.03	102.36																			
		STD.						1.03 2.03	26.16 51.56																			
	05	В		0.44	11.10	0.63	15.88	3.03	76.96	1.25	31.75																	
20		С						4.03	102.36																			
		STD.	20 / 21					1.03	26.16																			
	06	A B		0.56	14.27	0.75	19.05	2.03	51.56 76.96	1.38	35.05																	
		C						4.03	102.36																			
		STD.	]					1.03	26.16																			
	07	A		0.69	17.45	0.88	22.23	2.03	51.56	1.50	38.10																	
		B C						3.03 4.03	76.96 102.36																			
		STD.	i		+		1.03	26.16																				
	0.0	A		0.01	20.60	00 4 00	25.40	2.03	51.56	1.60	41.40																	
	08	В	]	0.81	20.62	1.00	25.40	3.03	76.96	1.63	41.40																	
		С						4.03	102.36																			

**Table Continued** 

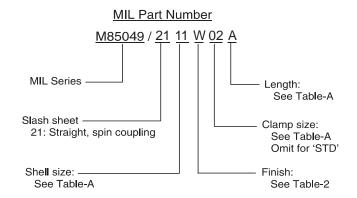
**Connector Group - K** 

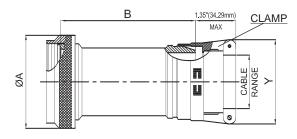
			T	ABLE	- A						
MII NUMBER	L PART DESIGN	ATOR	CONNECTOR		CABLE	RANGI	≣	L (I	VIAX)	Y (N	IAX)
ACCESSORY	CLAMP		SHELL SIZE	М	IN	M.	AX				
SHELL SIZE	SIZE	LENGTH	SE - II / I	INCH	ММ	INCH	ММ	INCH	мм	INCH	ММ
		STD.						1.03	26.16		
	03	A		0.25	6.35	0.38	9.53	2.03	51.56	1.06	26.92
		B C						3.03 4.03	76.96 102.36		
		STD.						1.03	26.16		
	04	Α		0.31	7.92	0.50	12.70	2.03	51.56	1.16	29.46
	04	В		0.01	7.52	0.50	12.70	3.03	76.96	1.10	20.40
		C STD.						4.03 1.03	102.36 26.16		
		A A					'	2.03	51.56		
	05	В		0.44	11.10	0.63	15.88	3.03	76.96	1.25	31.75
		С						4.03	102.36		
		STD.						1.03	26.16		
22	06	A B	22 /23	0.56	14.27	0.75	19.05	2.03 3.03	51.56 76.96	1.38	35.05
		С						4.03	102.36	i l	
		STD,						1.03	26.16		
	07	A		0.69	17.45	0.88	22.23	2.03	51.56	1.50	38.10
		B C						3.03	76.96		
		STD.						4.03 1.03	102.36 26.16		
	0.0	A A		0.01	00.00	1 00	05.40	2.03	51.56	1.00	44 40
	08	В		0.81	20.62	1.00	25.40	3.03	76.96	1.63	41.40
		С		0.94 23.80				4.03	102.36	1.75	
		STD. A						1.03 2.03	26.16 51.56		
	09	В			4 23.80	80 1.13	28.58	3.03	76.96		44.45
		С					4.03	102.36			
		STD.		1 1 1			1.03	26.16			
	04	A		0.31	7.92	0.50	12.70	2.03	51.56	1.16	29.46
		B C						3.03 4.03	76.96 102.36		
		STD.						1.03	26.16		
	05	Α		0.44	11.10	0.63	15.88	2.03	51.56	1.25	31.75
		В		0.44	11.10	0.00	15.00	3.03	76.96	1.20	01.70
		C STD.						4.03 1.03	102.36 26.16		
		A A					'	2.03	51.56		
	06	В		0.56	14.27	0.75	19.05	3.03	76.96	1.38	35.05
		С						4.03	102.36		
		STD.						1.03	26.16		
24	07	B	24 / 25	0.69	17.45	0.88	22.23	3.03	76.96	1.50	38.10
27		C						4.03	102.36	i I	
		STD.						1.03	26.16		
	08	Α		0.81	20.62	1.00	25.40	2.03	51.56	1.63	41.40
		B C						3.03	76.96		
		STD.						4.03 1.03	102.36 26.16		
	00	A		0.04	23 00	1 10	28.58	2.03	51.56	1 75	11 15
	09	В		0.94	23.80	1.13	∠0.58	3.03	76.96	1.75	44.45
		C					4.03	102.36			
		STD.						1.03 2.03	26.16		
	10	A B		1.06	1.06 26.97	26.97 1.25	7 1.25 31.75	3.03	51.56 76.96	1.88	47.75
		C	1	1.00				4.03	102.36		
		-					-				

# Amphenol Non - Environmental Backshell

### **Connector Group - L**

**Straight** 





NOTE: \* For more cable entry and length options, contact factory

				1	ABLE	- A							
MIL NUMBER	. PART DESIGN	ATOR	CONNECTOR SHELL		CABLE			A DIA.	(MAX)	В (Г	VIAX)	Y (N	IAX)
CONNECTOR	CLAMP	LENGTH	SIZE/CODE	М	IN	M.	AX	ļ					
SHELL SIZE	SIZE	LENGTH	(REF.)	INCH	мм	INCH	ММ	INCH	мм	INCH	мм	INCH	мм
	01	STD.		0.06	1.57	0.13	3.18			1.53	38.86	0.80	20.32
9	01	Α	09 / A	0.00	1.57	0.15	5.16	0.75	19.05	2.53	64.26	0.00	20.02
	02	STD.	00771	0.13	3.18	0.25	6.35	0.75	10.00	1.53	38.86	1.00	25.40
		A		01.10	00	0.20	0.00			2.53	64.26	1.00	201.10
	01	STD.		0.06	1.57	0.13	3.18			1.53	38.86	0.80	20.32
		A STD.						}		2.53	64.26		
11	02	A A	11 / B	0.13	3.18	0.25	6.35	0.85	21.59	1.53 2.53	38.86 64.26	1.00	25.40
		STD.						ł		1.53	38.86		
	03	A A		0.25	6.35	0.38	9.53			2.53	64.26	1.10	27.94
		STD.								1.53	38.86		
	02	A		0.13	3.18	0.25	6.35			2.53	64.26	1.00	25.40
13	03	STD.	13 / C	0.25	6.35	0.38	9.53	1.00	25.40	1.53	38.86	1.10	27.94
13	03	Α	13 / C	0.25	0.33	0.36	9.53	1.00	25.40	2.53	64.26	1.10	27.94
	04	STD.	<b> </b>	0.31	7.92	0.50	12.70	Ī		1.53	38.86	1.20	30.48
	07	Α		0.01	7.02	0.00	12.70			2.53	64.26	1.20	00.40
		STD.								1.53	38.86		
	02	A		0.13	3.18	0.25	6.35			2.53	64.26	1.00	25.40
		В						}		3.53	89.66		
	03	STD.		0.25	6.35	0.38	9.53			1.53 2.53	38.86 64.26	1.10	27.94
	03	В		0.23	0.55	0.56	9.55			3.53	89.66	1.10	27.34
15		STD.	15 / D					1.10	27.94	1.53	38.86		
	04	A A		0.31	7.92	0.50	12,70			2.53	64.26	1,20	30.48
		В	-							3.53	89.66		
		STD.	<b>-</b>					1		1.53	38.86		
	05	Α		0.44	11.10	1.10 0.63 15.88	38		2.53	64.26	1.25	31.75	
		В								3.53	89.66		

**Connector Group - L** 

Straight

				7	ABLE	- A							
MIL NUMBER I	. PART DESIGN	ATOR	CONNECTOR		CABLE	RANGE	E	A DIA.	(MAX)	В (Г	VIAX)	Y (N	IAX)
CONNECTOR	CLAMP	LENGTH	SIZE/CODE	М	IN	M	AX						
SHELL SIZE	SIZE	LLNGIII	(REF.)	INCH	MM	INCH	ММ	INCH	MM	INCH	MM	INCH	MM
	_	STD.								1.53	38.86		
	02	A B		0.13	3.18	0.25	6.35			2.53 3.53	64.26 89.66	1.00	25.40
		STD.						}		1.53	38.86		
	03	Α		0.25	6.35	0.38	9.53			2.53	64.26	1.10	27.94
		В						ļ		3.53	89.66		
17	04	STD.	17 / E	0.31	7.92	0.50	12.70	1,25	31.75	1.53 2.53	38.86 64.26	1.20	30.48
.,	04	В	17 / _	0.01	7.52	0.00	12,70	1,20	01.70	3.53	89.66	1.20	00.40
		STD.						†		1.53	38.86		
	05	A		0.44	11.10	0.63	15.88			2.53	64.26	1.25	31.75
		B STD.								3.53 1.53	89.66 38.86	1.40	
	06	A		0.56	14.27	0.75	19.05			2.53	64.26		35.56
		В								3.53	89.66		
		STD.								1.53	38.86		
	03	A B		0.25	6.35	0.38	9.53			2.53 3.53	64.26 89.66	1.20	27.94
		STD.						ł		1.53	38.86		
	04	Α		0.31	7.92	0.50	12.70			2.53	64.26		30.48
		В						5		3.53	89.66		
19	05	STD.	19 / F	0.44	11.10	0.63	15.88		35 56	1.53 2.53	38.86 64.26		31.75
13	0.5	В	-	0.44	11.10	0.00	13.00		00.00	3.53 89.66	1.25	01.75	
		STD.								1.53	38.86	1.40	
	06	A		0.56	14.27	0.75	19.05			2.53	64.26		35.56
		B STD.								3.53 1.53	89.66 38.86		
	07	A A		0.69	17.45	0.88	22.23			2.53	64.26	1.50	38.10
		В								3.53	89.66	1.50	
		STD.								1.53	38.86		
	03	A B		0.25	6.35	0.38	9.53			2.53 3.53	64.26 89.66	1.10	27.94
		С								4.53	115.06		
		STD.						†		1.53	38.86		
	04	A		0.31	7.92	0.50	12.70			2.53	64.26	1.20	30.48
		B C								3.53 4.53	89.66 115.06		
		STD.						†		1.53	38.86		
	05	Α		0.44	11.10	0.63	15.88			2.53	64.26	1.25	31.75
	00	В		0.44	11.10	0.00	10.00			3.53	89.66	1.20	01.70
21		C STD.	21 / G					1.50	38.10	4.53 1.53	115.06 38.86		
	0.0	A		0.50	14.07	0.75	10.05			2.53	64.26	1 40	05.50
	06	В		0.56	14.27	0.75	19.05			3.53	89.66	1.40	35.56
		C								4.53	115.06		
		STD.								1.53 2.53	38.86 64.26		
	07	В		0.69	17.45	0.88	22.23			3.53	89.66	1.50	38.10
		С						ļ		4.53	115.06		
		STD.								1.53	38.86		
	80	A B		0.81	20.62	1.00	25.40	5.40		2.53 3.53	64.26 89.66	1.65	41.91
		С						.40		4.53	115.06		

# Amphenol Non - Environmental Backshell

**Connector Group - L** 

				7	TABLE	- A							
NUMBER	. PART DESIGN	ATOR	CONNECTOR SHELL		CABLE			A DIA.	(MAX)	В (Г	MAX)	Y (MAX)	
CONNECTOR	CLAMP	LENGTH	SIZE/CODE	М	IN	M	AX						
SHELL SIZE	SIZE		(REF.)	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
	03	STD. A B C		0.25	6.35	0.38	9.53			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.10	27.94
	04	STD. A B		0.31	7.92	0.50	12.70			1.53 2.53 3.53	38.86 64.26 89.66	1.20	30.48
	05	C STD. A B		0.44	11.10	0.63	15.88			4.53 1.53 2.53 3.53	115.06 38.86 64.26 89.66	1.25	31.75
23	06	C STD.	23 / H	0.56	14.27	0.75	19.05	1.65	41.91	4.53 1.53 2.53	115.06 38.86 64.26	1.40	35.56
23		B C STD.	20/11		17.27	0.75	19.03	1.03	71.71	3.53 4.53 1.53 2.53	89.66 115.06 38.86		00.00
	07	A B C STD.		0.69	17.45	0.88	22.23	0		3.53 4.53 1.53	64.26 89.66 115.06 38.86	1.50	38.10
	08	A B C		0.81	20.62	1.00	25.40			2.53 3.53 4.53	64.26 89.66 115.06	1.65	41.91
	09	STD. A B C		0.94	23.80	1.13	28.58			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06		44.45
	04	STD. A B C		0.31	7.92	0.50	12.70			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.20	30.48
	05	STD. A B C		0.44	11.10	0.63	15.88			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.25	31.75
	06	STD. A B C		0.56	14.27	0.75	19.05			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.40	35.56
25	07	STD. A B C	25 / J	0.69	17.45	0.88	22.23	1.75	44.45	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.50	38.10
	08	STD. A B C		0.81	20.62	1.00	25.40			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.65	41.91
	09	STD. A B C	-	0.94	23.80	1.13	28.58			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.75	44.45
	10	STD. A B C		1.06	26.97	1.25	31.75	5		1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.90	48.26

# **ENVIRONMENTAL BACKSHELL**



These Backshells from Amphenol not only provide the cable support and strain relief, but ensure the cable sealing and environment protection by means of high quality sealing grommet and grommet follower. The strain relief nut is tightened squeezing the grommet on to the cable jacket during assembly. These Backshells from Amphenol give 6 feet water sealing protection when used with perfectly jacketed cable and are suitable for harsh environment applications.

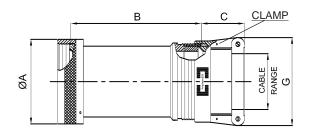
For Connector Group	Page No.
J -	→ II-1 - II-11

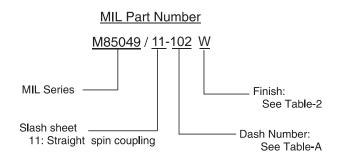
Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

# **Environmental Backshell**

**Connector Group - J** 

**Straight** 





NOTE: \* For more cable entry and length options, contact factory

			TA	BLE -	A					
N	IL PART UMBER SIGNATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	B (MAX)		C (REF)		G (MAX)	
SHELL SIZE	DASH NO	SHELL SIZE	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
	05		0.62	15.67	2.13	54.10	1.03	26.09	0.96	24.31
08	06	8	0.62	15.67	3.13	79.50	1.03	26.09	0.96	24.31
00	07*	] "	0.62	15.67	2.88	73.15	1.03	26.09	1.15	29.08
	08*		0.62	15.67	3.88	98.55	1.03	26.09	1.15	29.08
	09		0.73	18.64	2.13	54.10	1.03	26.09	0.96	24.31
	10	10	0.73	18.64	3.13	79.50	1.03	26.09	0.96	24.31
10	11*		0.73	18.64	2.88	73.15	1.03	26.09	1.15	29.08
10	12*		0.73	18.64	3.88	98.55	1.03	26.09	1.15	29.08
	136		0.73	18.64	2.13	54.10	1.03	26.09	1.15	29.08
	137		0.73	18.64	3.13	79.50	1.03	26.09	1.15	29.08
	13		0.86	21.79	2.13	54.10	1.03	26.09	1.15	29.08
	14		0.86	21.79	3.13	79.50	1.03	26.09	1.15	29.08
	15*		0.86	21.79	2.88	73.15	1.03	26.09	1.33	33.83
	16*		0.86	21.79	3.88	98.55	1.03	26.09	1.33	33.83
12	111	7/12	0.86	21.79	2.13	54.10	1.03	26.09	1.33	33.83
	114		0.86	21.79	2.13	54.10	1.03	26.09	0.96	24.31
	115		0.86	21.79	3.13	79.50	1.03	26.09	0.96	24.31
	138		0.86	21.79	2.13	54.10	1.03	26.09	1.33	33.83
	139		0.86	21.79	3.13	79.50	1.03	26.09	1.33	33.83

# **Amphenol**

# **Environmental Backshell**

**Connector Group - J** 

Straight

18				TA	BLE -	A					
SHELL   DASH NO   INCH   MM   INCH   INCH   MM   INCH	N	UMBER		A DIA.	(MAX)	В (	MAX)	C (I	REF)	G (N	IAX)
14		DASH NO	SHELL SIZE	INCH	ММ	INCH	MM	INCH	ММ	INCH	ММ
14		17		0.98	24.99	2.13	54.10	1.03	26.09	1.33	33.83
14				0.98		3.13	79.50	1.03	26.09		33.83
14											39.40
117	14		12/14								
150											
151											
1.11											
16											
16											
16											
16											44.96
18	10		10/10								29.08
118	16		19/16								29.08
152		118		1.11	28.24	2.13		1.03	26.09	1.33	33.83
153		119		1.11	28.24	3.13	79.50	1.03	26.09	1.33	33.83
1.22   30.94   2.13   54.10   1.03   26.09   1.33   33.83     27		152		1.11	28.24	2.13	54.10	1.03	26.09	0.96	24.31
18					28.24	3.13	79,50	1.03	26.09	0.96	24.31
18		25			30.94		54.10	1.03	26.09	1.33	33.83
18			_					1.03	26.09		33.83
18						_					39.40
18 30° 120 1.22 30.94 3.88 98.55 1.16 29.36 1.77 44.96 1.22 30.94 2.13 54.10 1.03 26.09 0.96 24.3 1.22 30.94 2.13 54.10 1.03 26.09 0.96 24.3 1.22 1.22 30.94 2.13 54.10 1.03 26.09 1.15 29.06 1.22 1.22 30.94 2.13 54.10 1.03 26.09 1.15 29.06 1.22 30.94 2.13 54.10 1.03 26.09 1.15 29.06 1.22 30.94 2.13 54.10 1.03 26.09 1.15 29.06 1.33 33.83 32 1.35 34.16 3.13 79.50 1.03 26.09 1.33 33.83 33 34 1.35 34.16 4.13 104.90 1.03 26.09 1.33 33.83 1.35 34.16 4.13 104.90 1.06 26.90 1.55 39.40 1.35 34.16 3.88 98.55 1.16 29.36 1.77 44.96 1.35 34.16 3.88 98.55 1.16 29.36 1.77 44.96 1.35 34.16 3.88 98.55 1.38 34.93 2.11 53.67 1.35 34.16 4.88 123.95 1.38 34.93 2.11 53.67 1.35 34.16 4.13 104.90 1.03 26.09 1.15 29.06 1.35 34.16 3.13 79.50 1.03 26.09 1.15 29.06 1.35 34.16 3.13 79.50 1.03 26.09 1.15 29.06 1.35 34.16 4.13 104.90 1.03 26.09 1.15 29.06 1.35 34.16 3.13 79.50 1.03 26.09 1.15 29.06 1.35 34.16 3.13 79.50 1.03 26.09 1.15 29.06 1.35 34.16 3.13 79.50 1.03 26.09 1.15 29.06 1.35 34.16 3.13 79.50 1.03 26.09 1.33 33.83 34.16 3.13 79.50 1.03 26.09 1.35 39.40 1.47 37.29 3.13 79.50 1.03 26.09 1.33 33.83 34.16 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 37.95 1.38 34.93 2.11 53.60 1.47 37.29 3.13 37.95 1.38 34.93 2.11 53.60 1.47 37.29 3.13 37.95 1.38 34.93 2.11 53.60 1.47 37.29 3.18 34.80 32.95 1.38 34.93 2.11 53.60 1.47 37.29 3.88 38.55 1.38 34.93 2.11 53.60 1.47 37.29 3.88 38.55 1.38 34.93 2.11 53.60 1.47 37.29 3.88 38.55 1.38 34.93 2.11 53.60 1.47 37.29 3.88 38.5											39.40
120 121 122 30.94 3.13 79.50 1.03 26.09 0.96 24.3: 1.22 30.94 2.13 54.10 1.03 26.09 0.96 24.3: 1.22 30.94 2.13 54.10 1.03 26.09 1.15 29.06 1.23 1.22 30.94 2.13 54.10 1.03 26.09 1.15 29.06 1.15 29.06 1.23 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3	18		27/18								
121 122 123 124 125 127 128 129 129 129 120 120 120 121 122 122 122 122 122 122											
122   1.22   30.94   2.13   54.10   1.03   26.09   1.15   29.06   1.22   30.94   3.13   79.50   1.03   26.09   1.15   29.06   1.35   34.16   3.13   79.50   1.03   26.09   1.33   33.83   1.35   34.16   3.13   79.50   1.03   26.09   1.33   33.83   1.35   34.16   3.13   79.50   1.06   26.90   1.55   39.40   1.35   34.16   3.13   79.50   1.06   26.90   1.55   39.40   1.35   34.16   3.18   98.55   1.16   29.36   1.77   44.90   1.35   34.16   3.88   98.55   1.38   34.93   2.11   53.63   1.35   34.16   3.13   79.50   1.03   26.09   1.15   29.06   1.35   34.16   3.13   79.50   1.03   26.09   1.15   29.06   1.35   34.16   3.13   79.50   1.03   26.09   1.15   29.06   1.35   34.16   3.13   79.50   1.03   26.09   1.15   29.06   1.35   34.16   3.13   79.50   1.03   26.09   1.15   29.06   1.35   34.16   3.13   79.50   1.03   26.09   1.15   29.06   1.35   34.16   3.13   79.50   1.03   26.09   1.15   29.06   1.35   34.16   3.13   79.50   1.03   26.09   1.33   33.83   1.35   34.16   3.13   79.50   1.03   26.09   1.55   39.40   1.35   34.16   3.13   79.50   1.06   26.90   1.55   39.40   1.37   37.29   3.13   79.50   1.06   26.90   1.55   39.40   1.47   37.29   3.13   79.50   1.06   26.90   1.55   39.40   1.47   37.29   3.13   79.50   1.06   26.90   1.55   39.40   1.47   37.29   3.13   79.50   1.06   26.90   1.55   39.40   1.47   37.29   3.13   79.50   1.06   26.90   1.55   39.40   1.47   37.29   3.13   79.50   1.06   26.90   1.55   39.40   1.47   37.29   3.13   79.50   1.16   29.36   1.77   44.90   1.47   37.29   3.13   79.50   1.16   29.36   1.77   44.90   1.47   37.29   3.13   79.50   1.16   29.36   1.77   44.90   1.47   37.29   3.13   79.50   1.16   29.36   1.77   44.90   1.47   37.29   3.13   79.50   1.16   29.36   1.77   44.90   1.47   37.29   3.13   79.50   1.16   29.36   1.77   44.90   1.47   37.29   3.13   79.50   1.16   29.36   1.77   44.90   1.47   37.29   3.13   79.50   1.16   29.36   1.77   44.90   1.47   37.29   3.13   79.50   1.16   29.36   1.77   44.90   1.47   37.29   3.13   3.13   3.13   3.13   3.13   3.13   1.3											-
123											
1.35   34.16   3.13   79.50   1.03   26.09   1.33   33.83     33											
1.35   34.16   4.13   104.90   1.03   26.09   1.33   33.83   33.83   34.4   34.4   34.4   34.6   3.13   79.50   1.06   26.90   1.55   39.40   35*   37*   38*   1.35   34.16   3.88   98.55   1.16   29.36   1.77   44.96   1.35   34.16   3.88   98.55   1.16   29.36   1.77   44.96   1.35   34.16   3.88   98.55   1.38   34.93   2.11   53.63   34.16   3.88   38.55   3.38   34.93   2.11   53.63   34.16   3.88   38.55   3.38   34.93   2.11   53.63   34.16   3.13   79.50   1.03   26.09   1.15   29.08   37*   34.16   3.13   79.50   1.03   26.09   1.15   29.08   37*   34.16   3.13   79.50   1.03   26.09   1.15   29.08   37*   39   34.16   3.13   379.50   3.16   29.36   3.77   34.96   3.16   3.13   379.50   3.16   29.36   3.77   34.96   3.16   3.13   379.50   3.16   29.36   3.77   34.96   3.16   3.18   34.93   3.18   34.93   3.18   34.93   3.18   34.93   3.18   34.93   3.18   34.93   3.18   34.93   3.18   34.93   3.11   37.29   3.13   37.50   3.16   29.36   3.77   34.96   37.29   3.13   37.50   3.16   29.36   3.77   34.96   37.29   3.13   37.50   3.16   29.36   3.77   34.96   37.29   3.13   37.50   3.16   29.36   3.77   34.96   37.29   3.13   37.50   3.16   29.36   3.77   34.96   37.29   3.13   37.50   3.16   29.36   3.77   34.96   37.29   3.13   37.50   3.16   29.36   3.77   34.96   37.29   3.13   37.50   3.16   29.36   3.77   34.96   37.77   37.29   3.18   39.55   3.38   34.93   2.11   33.65   37.77   37.29   3.18   37.50   3.18   34.93   2.11   33.65   37.77   37.29   3.18   37.50   3.18   34.93   3.11   33.65   37.77   37.29   3.18   37.50   3.18   34.93   3.11   37.50   3.16   37.50   3.16   37.77   37.29   3.18   37.50   3.18   34.93   3.11   33.65   37.77   37.29   3.18   37.50   3.18   34.93   3.11   33.65   37.77   37.29   3.18   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37.50   3.10   37											
20 33 34 16 3.13 79.50 1.06 26.90 1.55 39.40 1.35 34.16 4.13 104.90 1.06 26.90 1.55 39.40 1.35 34.16 3.88 98.55 1.16 29.36 1.77 44.96 1.35 34.16 3.88 98.55 1.38 34.93 2.11 53.67 1.35 34.16 3.88 98.55 1.38 34.93 2.11 53.67 1.35 34.16 3.88 98.55 1.38 34.93 2.11 53.67 1.35 34.16 3.88 98.55 1.38 34.93 2.11 53.67 1.35 34.16 3.13 79.50 1.03 26.09 1.15 29.08 1.35 34.16 3.13 79.50 1.03 26.09 1.15 29.08 1.35 34.16 3.13 79.50 1.06 29.36 1.77 44.96 1.35 34.16 3.13 79.50 1.06 29.36 1.77 44.96 1.35 34.16 4.13 104.90 1.16 29.36 1.77 44.96 1.35 34.16 4.13 104.90 1.03 26.09 1.33 33.83 1.47 37.29 3.13 79.50 1.03 26.09 1.33 33.83 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 1.47 37.29 3.13 79.50 1.16 29.36 1.77 44.96 1.47 37.29 3.13 79.50 1.16 29.36 1.77 44.96 1.47 37.29 3.13 79.50 1.16 29.36 1.77 44.96 1.47 37.29 3.13 79.50 1.16 29.36 1.77 44.96 1.47 37.29 3.13 79.50 1.16 29.36 1.77 44.96 1.47 37.29 3.13 79.50 1.16 29.36 1.77 44.96 1.47 37.29 3.13 79.50 1.16 29.36 1.77 44.96 1.47 37.29 3.88 98.55 1.38 34.93 2.11 53.67 1.47 37.29 4.88 123.95 1.38 34.93 2.11 53.67 1.47 37.29 4.88 123.95 1.38 34.93 2.11 53.67 1.47 37.29 4.88 123.95 1.38 34.93 2.11 53.67 1.47 37.29 3.13 79.50 1.03 26.09 0.96 24.35											
20		-									39.40
35*   36*   37/20			1								39.40
1.35   34.16   3.88   98.55   1.38   34.93   2.11   53.65     1.24   1.35   34.16   4.88   123.95   1.38   34.93   2.11   53.65     1.25   1.35   34.16   3.13   79.50   1.03   26.09   1.15   29.06     1.40   1.35   34.16   3.13   79.50   1.03   26.09   1.15   29.06     1.41   1.35   34.16   3.13   79.50   1.16   29.36   1.77   44.96     1.41   1.35   34.16   4.13   104.90   1.16   29.36   1.77   44.96     1.47   37.29   3.13   79.50   1.03   26.09   1.33   33.83     40   1.47   37.29   4.13   104.90   1.03   26.09   1.33   33.83     41   1.47   37.29   4.13   104.90   1.06   26.90   1.55   39.46     42   43   1.47   37.29   4.13   104.90   1.06   26.90   1.55   39.46     43   1.47   37.29   3.13   79.50   1.16   29.36   1.77   44.96     44   44   1.47   37.29   4.13   104.90   1.16   29.36   1.77   44.96     1.47   37.29   4.13   104.90   1.16   29.36   1.77   44.96     1.47   37.29   4.13   104.90   1.16   29.36   1.77   44.96     1.47   37.29   4.18   123.95   1.38   34.93   2.11   53.67     1.47   37.29   4.88   123.95   1.38   34.93   2.11   53.67     1.47   37.29   4.88   123.95   1.38   34.93   2.11   53.67     1.47   37.29   4.88   123.95   1.38   34.93   2.11   53.67     1.47   37.29   3.13   79.50   1.03   26.09   0.96   24.37     20   3.13   3.13   3.13   3.13   3.13     3.13   3.13   3.13   3.13   3.13     3.14   3.15   3.15   3.15   3.15     3.15   3.15   3.15   3.15   3.15     3.16   3.13   3.15   3.15   3.15     3.17   3.18   3.19   3.15     3.18   3.19   3.15   3.15     3.18   3.19   3.15   3.15     3.18   3.19   3.15		35*	1	1.35	34.16	3.88	98.55	1.16	29.36	1.77	44.96
1.35   34.16   3.88   98.55   1.38   34.93   2.11   53.65     38*	20	36*	27/20	1.35	34.16	4.88	123.95	1.16	29.36	1.77	44.96
124       1.35       34.16       3.13       79.50       1.03       26.09       1.15       29.08         125       1.35       34.16       4.13       104.90       1.03       26.09       1.15       29.08         140       1.35       34.16       3.13       79.50       1.16       29.36       1.77       44.96         141       1.35       34.16       4.13       104.90       1.16       29.36       1.77       44.96         39       1.47       37.29       3.13       79.50       1.03       26.09       1.33       33.83         40       1.47       37.29       4.13       104.90       1.03       26.09       1.33       33.83         41       1.47       37.29       4.13       104.90       1.03       26.09       1.55       39.40         42       43       1.47       37.29       3.13       79.50       1.06       26.90       1.55       39.40         44       1.47       37.29       3.13       79.50       1.16       29.36       1.77       44.99         42       43       1.47       37.29       3.13       79.50       1.16       29.36       1.77       4	20	37*	37/20	1.35	34.16	3.88	98.55	1.38	34.93	2.11	53.67
125 140 1,35 34,16 4,13 104,90 1,03 26,09 1,15 29,06 1,77 44,96 1,141 1,35 34,16 4,13 104,90 1,16 29,36 1,77 44,96 1,47 37,29 3,13 79,50 1,16 29,36 1,77 44,96 1,47 37,29 3,13 79,50 1,03 26,09 1,33 33,83 34,16 4,13 104,90 1,16 29,36 1,77 44,96 1,47 37,29 3,13 79,50 1,06 26,90 1,55 39,40 1,47 37,29 3,13 79,50 1,06 26,90 1,55 39,40 1,47 37,29 3,13 79,50 1,16 29,36 1,77 44,96 1,47 37,29 3,13 104,90 1,16 29,36 1,77 44,96 1,47 37,29 3,18 104,90 1,16 29,36 1,77 44,96 1,47 37,29 3,88 98,55 1,38 34,93 2,11 53,67 1,47 37,29 3,18 79,50 1,03 26,09 0,96 24,3											53.67
140 1.35 34.16 3.13 79.50 1.16 29.36 1.77 44.96 141 1.35 34.16 4.13 104.90 1.16 29.36 1.77 44.96 39 1.47 37.29 3.13 79.50 1.03 26.09 1.33 33.83 40 1.47 37.29 4.13 104.90 1.03 26.09 1.33 33.83 41 1.47 37.29 3.13 79.50 1.06 26.90 1.55 39.40 42 1.47 37.29 4.13 104.90 1.06 26.90 1.55 39.40 43 1.47 37.29 3.13 79.50 1.16 29.36 1.77 44.96 44 1.47 37.29 3.13 79.50 1.16 29.36 1.77 44.96 1.47 37.29 4.13 104.90 1.16 29.36 1.77 44.96 1.47 37.29 3.88 98.55 1.38 34.93 2.11 53.67 1.47 37.29 4.88 123.95 1.38 34.93 2.11 53.67 1.47 37.29 3.13 79.50 1.03 26.09 0.96 24.33											29.08
141											29.08
39       1.47       37.29       3.13       79.50       1.03       26.09       1.33       33.83         40       1.47       37.29       4.13       104.90       1.03       26.09       1.33       33.83         41       1.47       37.29       3.13       79.50       1.06       26.90       1.55       39.40         42       1.47       37.29       4.13       104.90       1.06       26.90       1.55       39.40         43       1.47       37.29       3.13       79.50       1.16       29.36       1.77       44.96         44       1.47       37.29       4.13       104.90       1.16       29.36       1.77       44.96         45*       1.47       37.29       3.88       98.55       1.38       34.93       2.11       53.67         1.47       37.29       4.88       123.95       1.38       34.93       2.11       53.67         1.26       1.47       37.29       3.13       79.50       1.03       26.09       0.96       24.3*											44.96
40     1.47     37.29     4.13     104.90     1.03     26.09     1.33     33.83       41     1.47     37.29     3.13     79.50     1.06     26.90     1.55     39.40       42     1.47     37.29     4.13     104.90     1.06     26.90     1.55     39.40       43     1.47     37.29     3.13     79.50     1.16     29.36     1.77     44.96       44     1.47     37.29     4.13     104.90     1.16     29.36     1.77     44.96       45*     1.47     37.29     3.88     98.55     1.38     34.93     2.11     53.67       126     1.47     37.29     3.13     79.50     1.03     26.09     0.96     24.3*											
41     1.47     37.29     3.13     79.50     1.06     26.90     1.55     39.40       42     1.47     37.29     4.13     104.90     1.06     26.90     1.55     39.40       43     1.47     37.29     3.13     79.50     1.16     29.36     1.77     44.96       44     1.47     37.29     4.13     104.90     1.16     29.36     1.77     44.96       45*     1.47     37.29     3.88     98.55     1.38     34.93     2.11     53.67       126     1.47     37.29     4.88     123.95     1.38     34.93     2.11     53.67       1.47     37.29     3.13     79.50     1.03     26.09     0.96     24.33											33.83
42     1.47     37.29     4.13     104.90     1.06     26.90     1.55     39.40       43     1.47     37.29     3.13     79.50     1.16     29.36     1.77     44.96       44     1.47     37.29     4.13     104.90     1.16     29.36     1.77     44.96       45*     1.47     37.29     3.88     98.55     1.38     34.93     2.11     53.67       1.47     37.29     4.88     123.95     1.38     34.93     2.11     53.67       1.47     37.29     3.13     79.50     1.03     26.09     0.96     24.33	40 41										
22 43 1.47 37.29 3.13 79.50 1.16 29.36 1.77 44.96 1.47 37.29 4.13 104.90 1.16 29.36 1.77 44.96 1.47 37.29 3.88 98.55 1.38 34.93 2.11 53.67 1.47 37.29 4.88 123.95 1.38 34.93 2.11 53.67 1.47 37.29 3.88 98.55 1.38 34.93 2.11 53.67 1.47 37.29 3.13 79.50 1.03 26.09 0.96 24.37											
22 44 1.47 37.29 4.13 104.90 1.16 29.36 1.77 44.96 4.96 4.6* 22 1.47 37.29 3.88 98.55 1.38 34.93 2.11 53.67 1.47 37.29 4.88 123.95 1.38 34.93 2.11 53.67 1.47 37.29 3.13 79.50 1.03 26.09 0.96 24.31											
22 45* 22 1.47 37.29 3.88 98.55 1.38 34.93 2.11 53.67 46* 1.47 37.29 4.88 123.95 1.38 34.93 2.11 53.67 1.47 37.29 3.13 79.50 1.03 26.09 0.96 24.31											
22     46*     1.47     37.29     4.88     123.95     1.38     34.93     2.11     53.67       126     1.47     37.29     3.13     79.50     1.03     26.09     0.96     24.33											
126 1.47 37.29 3.13 79.50 1.03 26.09 0.96 24.3°	22		22					-			
_ <del> </del>			1								24.31
, , , , , , , , , , , , , , , , , , ,		127		1.47	37.29	4.13	104.90	1.03	26.09	0.96	24.31
			1								29.08
			1								29.08
			1								53.67
_ <del> </del>		143		1.47						2.11	53.67

# **Environmental Backshell**

**Connector Group - J** 

Straight

i		Т	ABLE	- A						
N	IL PART UMBER IGNATOR	CONNECTOR SHELL SIZE	A DIA.	. (MAX)	В (	MAX)	C (I	REF)	G (N	/IAX)
SHELL SIZE	DASH NO		INCH	ММ	INCH	мм	INCH	ММ	INCH	ММ
	47		1.59	40.46	3.13	79.50	1.06	26.90	1.55	39.40
	48	1	1.59	40.46	4.13	104.90	1.06	26.90	1.55	39.40
	49	]	1.59	40.46	3.13	79.50	1.16	29.36	1.77	44.96
	50		1.59	40.46	4.13	104.90	1.16	29.36	1.77	44.96
. [	51	]	1.59	40.46	3.13	79.50	1.16	29.36	1.77	44.96
24	52	24	1.59	40.46	4.13	104.90	1.16	29.36	1.77	44.96
24	53*	] 24	1.59	40.46	3.88	98.55	1.38	34.93	2.11	53.67
	54*	]	1.59	40.46	4.88	123.95	1.38	34.93	2.11	53.67
ļ	130	]	1.59	40.46	3.13	79.50	1.03	26.09	1.33	33.83
, [	131	] [	1.59	40.46	4.13	104.90	1.03	26.09	1.33	33.83
	144	]	1.59	40.46	3.13	79.50	1.38	34.93	2.11	53.67
	145		1.59	40.46	4.13	104.90	1.38	34.93	2.11	53.67
	55		1.97	50.01	3.13	79.50	1.06	26.90	1.55	39.40
	56		1.97	50.01	4.13	104.90	1.06	26.90	1.55	39.40
	57	]	1.97	50.01	3.13	79.50	1.16	29.36	1.77	44.96
20	58	28	1.97	50.01	4.13	104.90	1.16	29.36	1.77	44.96
28 59	59	20	1.97	50.01	3.13	79.50	1.38	34.93	2.11	53.67
	60		1.97	50.01	4.13	104.90	1.38	34.93	2.11	53.67
	61	1	1.97	50.01	3.13	79.50	1.50	38.10	23.63	600.20
	62		1.97	50.01	4.13	104.90	1.50	38.10	2.36	60.02
	63		2.22	56.36	3.13	79.50	1.16	29.36	1.77	44.96
	64		2.22	56.36	4.13	104.90	1.16	29.36	1.77	44.96
. [	65	1 '	2.22	56.36	3.13	79.50	1.38	34.93	2.11	53.67
32	66	32	2.22	56.36	4.13	104.90	1.38	34.93	2.11	53.67
32	67	32	2.22	56.36	3.13	79.50	1.50	38.10	2.36	60.02
	68		2.22	56.36	4.13	104.90	1.50	38.10	2.36	60.02
, [	69	]	2.22	56.36	3.13	79.50	1.78	45.24	2.77	70.36
	70		2.22	56.36	4.13	104.90	1.78	45.24	2.77	70.36
	71		2.47	62.71	4.13	104.90	1.38	34.93	2.11	53.67
ļ	72	]	2.47	62.71	5.13	130.30	1.38	34.93	2.11	53.67
, [	73		2.47	62.71	4.13	104.90	1.50	38.10	2.36	60.02
, [	74	]	2.47	62.71	5.13	130.30	1.50	38.10	2.36	60.02
, [	75	]	2.47	62.71	4.13	104.90	1.78	45.24	2.77	70.36
ļ	76	]	2.47	62.71	5.13	130.30	1.78	45.24	2.77	70.36
36	77*	36	2.47	62.71	5.01	127.25	1.83	46.48	3.02	76.71
	78*	ا مح	2.47	62.71	6.01	152.65	1.83	46.48	3.02	76.71
, [	132	1	2.47	62.71	4.13	104.90	1.06	26.90	1.55	39.40
	133		2.47	62.71	5.13	130.30	1.06	26.90	1.55	39.40
, 1	146		2.47	62.71	4.13	104.90	1.83	46.48	3.02	76.71
, ,	147	]	2.47	62.71	5.13	130.30	1.83	46.48	3.02	76.71
, [	148	1	2.47	62.71	4.13	104.90	1.16	29.36	1.77	44.96
	149	1	2.47	62.71	5.13	130.30	1.16	29.36	1.77	44.96

# **Amphenol**

# **Environmental Backshell**

**Connector Group - J** 

	TABLE - A												
MIL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE	A DIA	. (MAX)	В (	B (MAX)		REF)	G (MAX)				
SHELL SIZE	DASH NO	SHELL SIZE	INCH	ММ	INCH	ММ	INCH	ММ	INCH	мм			
	79		2.72	69.06	4.13	104.90	1.38	34.93	2.11	53.67			
	80		2.72	69.06	5.13	130.30	1.38	34.93	2.11	53.67			
	81		2.72	69.06	4.13	104.90	1.50	38.10	2.36	60.02			
	82		2.72	69.06	5.13	130.30	1.50	38.10	2.36	60.02			
	83		2.72	69.06	4.13	104.90	1.78	45.24	2.77	70.36			
40	84	40	2.72	69.06	5.13	130.30	1.78	45.24	2.77	70.36			
40	85	40	2.72	69.06	4.13	104.90	1.83	46.48	3.02	76.71			
	86		2.72	69.06	5.13	130.30	1.83	46.48	3.02	76.71			
	134		2.72	69.06	4.13	104.90	1.06	26.90	1.55	39.40			
	135		2.72	69.06	5.13	130.30	1.06	26.90	1.55	39.40			
	156		2.72	69.06	4.13	104.90	1.16	29.36	1.77	44.96			
	157		2.72	69.06	5.13	130.30	1.16	29.36	1.77	44.96			
	87		2.97	75.41	4.13	104.90	1.38	34.93	2.11	53.67			
	88		2.97	75.41	5.13	130.30	1.38	34.93	2.11	53.67			
	89		2.97	75.41	4.13	104.90	1.50	38.10	2.36	60.02			
	90		2.97	75.41	5.13	130.30	1.50	38.10	2.36	60.02			
44	91	44	2.97	75.41	4.13	104.90	1.78	45.24	2.77	70.36			
77	92	]	2.97	75.41	5.13	130.30	1.78	45.24	2.77	70.36			
	93		2.97	75.41	4.13	104.90	1.83	46.48	3.02	76.71			
	94		2.97	75.41	5.13	130.30	1.83	46.48	3.02	76.71			
	154		2.97	75.41	4.13	104.90	1.16	29.36	1.77	44.96			
	155		2.97	75.41	5.13	130.30	1.16	29.36	1.77	44.96			
	95		3.22	81.76	4.13	104.90	1.38	34.93	2.11	53.67			
	96		3.22	81.76	5.13	130.30	1.38	34.93	2.11	53.67			
	97		3.22	81.76	4.13	104.90	1.50	38.10	2.36	60.02			
48	98	48	3.22	81.76	5.13	130.30	1.50	38.10	2.36	60.02			
40	99	]	3.22	81.76	4.13	104.90	1.78	45.24	2.77	70.36			
	100	]	3.22	81.76	5.13	130.30	1.78	45.24	2.77	70.36			
	101	]	3.22	81.76	4.13	104.90	1.83	46.48	3.02	76.71			
	102		3.22	81.76	5.13	130.30	1.83	46.48	3.02	76.71			

<sup>(\*)-----</sup> DENOTES STYLE 2

**Table Continued** 

# **Environmental Backshell**

# **Connector Group - J**

		TABLE -	A			
N	IL PART UMBER SIGNATOR	CONNECTOR		CABLE	RANG	E
SHELL	DAGUAIO	SHELL SIZE	M	IN	М	AX
SIZE	DASH NO		INCH	MM	INCH	MM
	05		0.13	3.18	0.25	6.35
08	06	8	0.13	3.18	0.25	6.35
00	07*		0.25	6.35	0.44	11.10
	08*		0.25	6.35	0.44	11.10
	09		0.13	3.18	0.31	7.92
	10		0.13	3.18	0.31	7.92
10	11*	10	0.25	6.35	0.44	11.10
	12*		0.25	6.35	0.44	11.10
	136		0.25	6.35	0.38	9.53
	137 13		0.25	6.35	0.38	9.53
	14		0.25	6.35	0.44	11.10
	15*		0.25	6.35 8.89	0.44	11.10 15.88
	16*		0.35	8.89	0.63	15.88
12	111	7/12	0.35	8.89	0.50	12.70
'-	114		0.13	3.18	0.31	7.92
	115		0.13	3.18	0.31	7.92
	138		0.35	8.89	0.50	12.70
	139		0.35	8.89	0.50	12.70
	17		0.35	8.89	0.58	14.61
	18		0.35	8.89	0.58	14.61
	19*	0.50 1	12.70	0.75	19.05	
14	20*	12/14	0.50	12.70	0.75	19.05
14	116	12/14	0.25	6.35	0.44	11.10
	117		0.25	6.35	0.44	11.10
	150		0.13	3.18	0.31	7.92
	151		0.13	3.18	0.31	7.92
	21		0.50	12.70	0.70	17.78
	22 23*		0.50	12.70	0.70	17.78
	24*		0.63	15.88 15.88	0.94	23.80
	112		0.63	6.35	0.44	11.10
16	113	19/16	0.25	6.35	0.44	11.10
	118		0.35	8.89	0.63	15.88
	119		0.35	8.89	0.63	15.88
	152		0.13	3.18	0.31	7.92
	153		0.13	3.18	0.31	7.92
	25		0.35	8.89	0.63	15.88
	26		0.35	8.89	0.63	15.88
	27		0.50	12.70	0.75	19.05
	28		0.50	12.70	0.75	19.05
18	29*	27/18	0.63	15.88	0.94	23.80
	30*		0.63	15.88	0.94	23.80
	120		0.13	3.18	0.31	7.92
	121		0.13	3.18	0.31	7.92
	122 123		0.25	6.35	0.44	11.10
	31		0.25	6.35 8.89	0.44	11.10 15.88
	32		0.35	8.89	0.63	15.88
	33		0.50	12.70	0.03	19.05
	34		0.50	12.70	0.75	19.05
20	35*	37/20	0.63	15.88	0.94	23.80
	36*		0.63	15.88	0.94	23.80
	37*		0.88	22.23	1.25	31.75
	38*		0.88	22.23	1.25	31.75
				To	hla Ca	ntinued

**Table Continued** 

# **Amphenol**

# **Environmental Backshell**

**Connector Group - J** 

		TABLE -	A			
Di	MIL PART NUMBER ESIGNATOR	CONNECTOR		CABL	E RANG	E
SHELL		SHELL SIZE	M	IN	М	AX
SIZE	DASH NO		INCH	MM	INCH	MM
	124		0.25	6.35	0.44	11.10
20	125	37/20	0.25	6.35	0.44	11.10
20	140	31/20	0.63	15.88	0.90	22.96
	141		0.63	15.88	0.90	22.96
	39		0.35	8.89	0.63	15.88
	40		0.35	8.89	0.63	15.88
	41		0.50	12.70	0.75	19.05
	42		0.50	12.70	0.75	19.05
	43	ļ	0.63	15.88	0.94	23.80
	44		0.63	15.88	0.94	23.80
22	45*	22	0.88	22.23	1.25	31.75
	46*		0.88	22.23	1.25	31.75
	126	ļ	0.13	3.18	0.31	7.92
	127	1	0.13	3.18	0.31	7.92
	128 129		0.25	6.35	0.44	11.10
	142		0.25	6.35	0.44	11.10 26.14
	143		0.88	22.23	1.03	26.14
	47		0.50	12.70	0.75	19.05
	48		0.50	12.70	0.75	19.05
	49		0.63	15.88	0.73	20.62
	50	1	0.63	15.88	0.81	20.62
	51		0.63	15.88	0.94	23.80
	52		0.63	15.88	0.94	23.80
24	53*	24	0.88	22.23	1.25	31.75
	54*	1	0.88	22.23	1.25	31.75
	130	1	0.35	8.89	0.63	15.88
	131	]	0.88     22.23     1.25     31.       0.35     8.89     0.63     15.       0.35     8.89     0.63     15.	15.88		
	144		0.88	22.23	1.14	29.06
	145		0.88	22.23	1.14	29.06
	55		0.50	12.70	0.75	19.05
	56		0.50	12.70	0.75	19.05
	57		0.63	15.88	0.94	23.80
28	58	28	0.63	15.88	0.94	23.80
	59		0.88	22.23	1.25	31.75
	60	1	0.88	22.23	1.25	31.75
	61 62		1.00	25.40 25.40	1.38	34.93
	63		0.63	15.88	0.94	23.80
	64	1	0.63	15.88	0.94	23.80
	65	1	0.88	22.23	12.50	317.50
	66	6.	0.88	22.23	1.25	31.75
32	67	32	1.00	25.40	1.38	34.93
	68	1	1.00	25.40	1.38	34.93
	69	1	1.25	31.75	1.63	41.28
	70		1.25	31.75	1.63	41.28
	71		0.88	22.23	1.25	31.75
	72	J	0.88	22.23	1.25	31.75
	73	Į	1.00	25.40	1.38	34.93
	74	ļ	1.00	25.40	1.38	34.93
36	75	36	1.25	31.75	1.63	41.28
	76	ļ	1.25	31.75	1.63	41.28
	77*	ļ	1.44	36.50	1.88	47.63
	78*		1.44	36.50	1.88	47.63

**Table Continued** 

# **Environmental Backshell**

**Connector Group - J** 

132 0.50 12.70 0	MAX NCH MM .75 19.05 .75 19.05 .84 46.74
SHELL   DASH NO	.75 19.05 .75 19.05 .84 46.74
SIZE     INCH   MM   IN	.75 19.05 .75 19.05 .84 46.74
	.75 19.05 .84 46.74
133 0,50 12.70 0	.84 46.74
36 146 36 1.44 36.50 1	0.4
147 1.44 36.50 1	.84   46.74
148 0.63 15.88 0	.94 23.80
149 0.63 15.88 0	.94 23.80
79 0.88 22.23 1	.25 31.75
80 0.88 22.23 1	.25 31.75
81 1.00 25.40 1	.38 34.93
82 1.00 25.40 1	.38 34.93
83 1.25 31.75 1	.63 41.28
40 84 40 1.25 31.75 1	.63 41.28
85 40 1.44 36.50 1	.88 47.63
86 1.44 36.50 1	.88 47.63
134 0.50 12.70 0	.75 19.05
135 0.50 12.70 0	.75 19.05
156 0.63 15.88 0	.94 23.80
157 0.63 15.88 0	.94 23.80
87 0.88 22.23 1	.25 31.75
88 0.88 22.23 1	.25 31.75
89 1.00 25.40 1	.38 34.93
	.38 34.93
91 44 1.25 31.75 1	.63 41.28
92 44 1.25 31.75 1	.63 41.28
93 1.44 36.50 1	.88 47.63
94 1.44 36.50 1	.88 47.63
154 0.63 15.88 0	.94 23.80
	.94 23.80
	.25 31.75
96 0.88 22.23 1	.25 31.75
	.38 34.93
48 98 48 1.00 25.40 1	.38 34.93
99 1.25 31.75 1	.63 41.28
100 1.25 31.75 1	.63 41.28
101 1.44 36.50 1	.88 47.63
102 1.44 36.50 1	.88 47.63

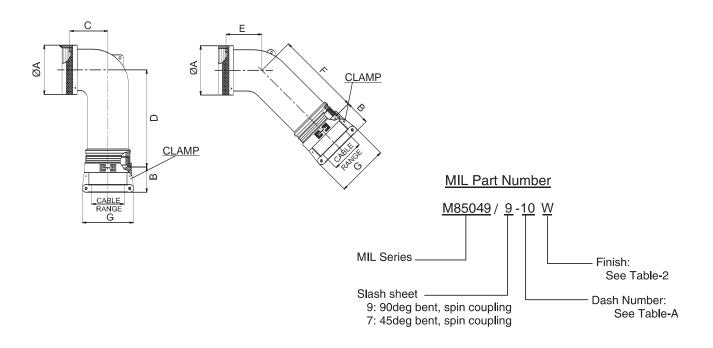
<sup>(\*)----</sup> DENOTES STYLE 2

# **Amphenol**

# **Environmental Backshell**

**Connector Group - J** 

90°, 45°



NOTE: \* For more cable entry options, contact factory

	TABLE - B													
MIL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE	A DIA. (MAX)		B (REF)		C (MAX)		D (MAX)		E (MAX)		F (MAX)	
SHELL SIZE	DASH NO	_	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
08	3	8	0.62	15.67	1.03	26.09	0.67	17.02	1.26	32.00	0.63	16.00	1.25	31.75
	4		0.73	18.64	1.03	26.09	0.76	19.30	1.98	50.29	0.69	17.53	1.92	48.77
10	49*	10	0.73	18.64	1.03	26.09	1.52	38.61	2.00	50.80	1.50	38.10	1.98	50.29
	5		0.73	18.64	1.03	26.09	0.76	19.30	1.38	35.05	0.69	17.53	1.31	33.27
	6		0.86	21.79	1.03	26.09	0.77	19.56	2.00	50.80	0.75	19.05	1.98	50.29
12	71*	7/12	0.86	21.79	1.03	26.09	1.81	45.97	2.16	54.86	1.65	41.91	2.18	55.37
12	7	7/12	0.86	21.79	1.03	26.09	0.77	19.56	2.00	50.80	0.75	19.05	1.98	50.29
	8		0.86	21.79	1.03	26.09	0.77	19.56	1.40	35.56	0.75	19.05	1.98	50.29
	9		0.98	24.99	1.03	26.09	0.87	22.10	2.07	52.58	0.81	20.57	2.07	52.58
14	10	12/14	0.98	24.99	1.03	26.09	0.87	22.10	1.72	43.69	0.81	20.57	1.72	43.69
'-	50*	12/14	0.98	24.99	1.06	26.90	1.89	48.01	2.33	59.18	1.84	46.74	2.37	60.20
	74		0.98	24.99	1.03	26.09	0.87	22.10	2.07	52.58	0.81	20.57	2.07	52.58
	11		1.11	28.24	1.03	26.09	1.05	26.67	2.16	54.86	0.91	23.11	2.18	55.37
	12		1.11	28.24	1.06	26.90	1.05	26.67	1.81	45.97	0.91	23.11	1.82	46.23
16	40	19/16	1.11	28.24	1.03	26.09	1.05	26,67	2.16	54.86	0.91	23,11	2.18	55.37
	51*		1.11	28.24	1.16	29.36	2.04	51.82	2.44	61.98	1.94	49.28	2.52	64.01
	75		1.11	28.24	1.03	26.09	1.05	26.67	2.16	54.86	0.91	23.11	2.18	55.37

# **Environmental Backshell**

# **Connector Group - J**

90°, 45°

					TAF	BLE - E	<u> </u>							
NI DES	IL PART UMBER SIGNATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)		REF)		ЛАХ)	D (N	/IAX)	E (N	ЛАХ)	F (N	/IAX)
SHELL SIZE	DASH NO		INCH	ММ	INCH	мм	INCH	ММ	INCH	ММ	INCH	мм	INCH	мм
18	13		1.22	30.94	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69	2.37	60.20
	14		1.22	30.94	1.16	29.36	1.14	28.96	1.98	50.29	1.09	27.69		50.80
18	41 42	27/18	1.22	30.94	1.03	26.09	1.14	28.96 28.96	2.33	59.18 59.18	1.09	27.69 27.69		60.20
-	52		1.22	30.94	1.03	26.90	1.14	28.96	2.33	59.18	1.09	27.69	INCH	60.20
	72*		1.22	30.94	1.16	29.36	2.05	52.07	2.44	61.98	1.94	49.28		64.01
	15		1.35	34.16	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69		60.20
	16		1.35	34.16	1.16	29.36	1.14	28.96	1.98	50.29	1.09	27.69	2.00	50.80
20	43	37/20	1.35	34.16	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69	M INCH 69 2.37 6 69 2.07 6 69 2.37 6 69 2.52 6 60 2.52 6 60 2.52 6 60 2.67 6 60 2.76 6	60.20
	54		1.35	34.16	1.06	26.90	1.14	28.96	2.33	59.18	1.09	27.69		60.20
	55 17		1.35	34.16	1.38	34.93	2.14	54.36	2.61	66.29	2.06	52.32		65.28
	17		1.47	37.29 37.29	1.06 1.38	26.90 34.93	1.29	32.77 32.77	2.44	61.98 53.09	1.19	30.23		64.01 54.86
	44		1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23		64.01
22	45	22	1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23		64.01
	56		1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23		64.01
	57		1.47	37.29	1.16	29.36	1.29	32.77	2.44	61.98	1.19	30.23	2.52	64.01
	58*		1.47	37.29	1.38	34.93	2.14	54.36	2.61	66.29	2.06	52.32		65.28
	19	24	1.59	40.46	1.06	26.90	1.29	32.77	2.44	61.98	1.19	30.23		64.01
24	20		1.59	40.46	1.38	34.93	1.29	32.77	2.09	53.09	1.19	30.23		54.86
24	46 59		1.59	40.46	1.03	26.09	1.29	32.77 32.77	2.44	61.98	1.19			64.01
	73*		1.59 1.59	40.46 40.46	1.16	29.36 34.93	1.29 2.15	54.61	2.44	61.98 66.29	2.06	52.32	0.23     2.52     6       0.23     2.16     5       0.23     2.52     6       0.23     2.52     6       2.32     2.57     6       3.27     2.57     6       3.27     2.22     5       3.27     2.57     6       3.27     2.57     6       5.05     2.67     6	64.01 65.28
	21	- 28	1.97	50.01	1.16	29.36	1.39	35.31	2.61	66.29	1.31	33.27		65.28
00	22		1.97	50.01	1.50	38.10	1.39	35.31	2.26	57.40	1.31	33.27		56.39
20	60		1.97	50.01	1.06	26.90	1.39	35.31	2.61	66.29	1.31	33.27		65.28
	61		1.97	50.01	1.38	34.93	1.39	35.31	2.61	66.29	1.31	33.27		65.28
	23		2.22	56.36	1.16	29.36	1.74	44.20	2.86	72.64	1.38	35.05	2.37 2.37 2.57 2.52 2.16 2.52 2.52 2.52 2.52 2.52 2.52 2.57 2.52 2.57 2.57 2.57 2.57 2.67 2.67 2.67 2.76	67.82
32	24	32	2.22	56.36	1.38	34.93	1.74	44.20	2.86	72.64	1.38	35.05		67.82
	25 62		2.22	56.36 56.36	1.78 1.50	45.24 38.10	1.74	44.20 44.20	2.51	63.75 72.64	1.38 1.38	35.05 35.05		58.93 67.82
	26		2.47	62.71	1.16	29.36	1.94	49.28	2.83	71.88	1.41	35.81		70.10
	27	'	2.47	62.71	1.50	38.10	1.94	49.28	2.83	71.88	1.41	35.81		70.10
00	28	20	2.47	62.71	1.83	46.48	1.94	49.28	2.48	62.99	1.41	35.81		61.21
30	47	36	2.47	62.71	1.06	26.90	1.94	49.28	2.83	71.88	1.41	35.81		70.10
	63		2.47	62.71	1.38	34.93	1.94	49.28	2.83	71.88	1.41	35.81		70.10
28 32 36	64		2.47	62.71	1.78	45.24	1.94	49.28	2.83	71.88	1.41	35.81		70.10
	29		2.72	69.06	1.16	29.36	2.69	68.33	2.83	71.88	2.16	54.86		70.10
	30 31		2.72	69.06 69.06	1.50	38.10 46.48	2.69 2.69	68.33 68.33	2.83	71.88 62.99	2.16	54.86 54.86		70.10
40	48	40	2.72	69.06	1.06	26.90	1.94	49.28	2.83	71.88	2.16	54.86		70.10
	65		2.72	69.06	1.38	34.93	2.69	68.33	2.83	71.88	2.16	54.86		70.10
	66	1	2.72	69.06	1.78	45.24	2.69	68.33	2.83	71.88	2.16	54.86		70.10
	32		2.97	75.41	1.16	29.36	2.69	68.33	2.83	71.88	2.16	54.86		70.10
[	33		2.97	75.41	1.50	38.10	2.69	68.33	2.83	71.88	2.16	54.86		70.10
44	34	44	2.97	75.41	1.83	46.48	2.69	68.33	2.48	62.99	2.16	54.86		61.21
	67		2.97	75.41	1.38	34.93	2.69	68.33	2.83	71.88	2.16	54.86	2.37 (	70.10
	68 35		2.97 3.22	75.41 81.76	1.78	45.24	2.69	68.33	2.83	71.88 71.88	2.16	54.86 54.86		70.10
<b> </b>	36		3.22	81.76	1.16	29.36 38.10	2.69 2.69	68.33 68.33	2.83	71.88	2.16	54.86		70.10
48	37	48	3.22	81.76	1.83	46.48	2.69	68.33	2.48	62.99	2.16	54.86	INCH   2.37   6   2.37   6   2.37   6   2.52   6   2.52   6   2.52   6   2.52   6   2.52   6   2.57   2.57   6   2.57   2.57   2.57   2.57   2.57   2.57   2.57   2.57   2.57   2.57   2.57   2.57   2.57   2.57   2.57   2.57   2.57	61.21
	69		3.22	81.76	1.38	34.93	2.69	68.33	2.83	71.88	2.16	54.86		70.10
	70		3.22	81.76	1.78	45.24	2.69	68.33	2.83	71.88	2.16	54.86	INCH 2.37 2.00 2.37 2.37 2.52 2.37 2.52 2.37 2.552 2.56 2.52 2.52 2.52 2.52 2.52 2.5	70.10

<sup>( \* ) -----</sup> DENOTES STYLE 2

# **Environmental Backshell**

**Connector Group - J** 

90°, 45°

		TAE	BLE - E	3						
MIL PART NUMBER DESIGNATOR		CONNECTOR SHELL SIZE	G (MAX)		CABLE RANGE					
SHELL	DASH NO		INCH	мм	INCH	IN MM	INCH	AX MM		
08	3	8	0.96	24,31	0.13	3,18	0.25	6.35		
- 00	4		0.96	24.31	0.13	3.18	0.31	7.92		
10	49*	10	1.15	29.08	0.25	6.35	0.44	11.10		
	5		1.15	29.08	0.25	6.35	0.38	9.53		
	6		0.96	24.31	0.13	3.18	0.31	7.92		
12	71*	7/12	1.33	33.83	0.35	8.89	0.63	15.88		
'-	7	7712	1.15	29.08	0.25	6.35	0.44	11.10		
	8		1.33	33.83	0.35	8.89	0.50	12.70		
	9		1.15	29.08	0.25	6.35	0.44	11.10		
14	10 50*	12/14	1.33	33.83	0.35	8.89	0.58	14.61		
	74		1.55 0.96	39.40 24.31	0.50	12.70 3.18	0.75	19.05 7.92		
	11		1.15	29.08	0.13	6.35	0.44	11.10		
	12		1.55	39.40	0.50	12.70	0.70	17.78		
16	40	19/16	1.33	33.83	0.35	8.89	0.63	15.88		
	51*		1.77	44.96	0.63	15.88	0.94	23.80		
	75		0.96	24.31	0.13	3.18	0.31	7.92		
	13		1.33	33.83	0.35	8.89	0.63	15.88		
	14		1.77	44.96	0.63	15.88	0.78	19.79		
18	41	27/18	0.96	24.31	0.13	3.18	0.31	7.92		
	42	27710	1.15	29.08	0.25	6.35	0.44	11.10		
	52		1.55	39.40	0.50	12.70	0.75	19.05		
	72*		1.77	44.96	0.63	15.88	0.94	23.80		
	15 16		1.33	33.83 44.96	0.35	8.89 15.88	0.63	15.88 22.96		
20	43	37/20	1.15	29.08	0.03	6.35	0.44	11.10		
-0	54	0.720	1.55	39,40	0.50	12.70	0.75	19.05		
	55		2.11	53.67	0.88	22.23	1.25	31.75		
	17		1.55	39.40	0.50	12.70	0.75	19.05		
	18		2.11	53.67	0.88	22.23	1.03	26.14		
	44		0.96	24.31	0.13	3.18	0.31	7.92		
22	45	22	1.15	29.08	0.25	6.35	0.44	11.10		
	56		1.33	33.83	0.35	8.89	0.63	15.88		
	57		1.77	44.96	0.63	15.88	0.94	23.80		
	58*		2.11	53.67	0.88	22.23	1.25	31.75 19.05		
	19 20		1.55 2.11	39.40 53.67	0.50	12.70 22.23	0.75 1.14	29.06		
24	46	24	1.33	33.83	0.85	8.89	0.63	15.88		
- '	59		1.77	44.96	0.63	15.88	0.03	23.80		
	73*		2.12	53.75	0.88	22.23	1.25	31.75		
	21		1.77	44.96	0.63	15.88	0.94	23.80		
28	22	28	2.36	60.02	1.00	25.40	1.38	34.93		
20	60	20	1.55	39.40	0.50	12.70	0.75	19.05		
	61		2.11	53.67	0.88	22.23	1.25	31.75		
	23		1.77	44.96	0.63	15.88	0.94	23.80		
32	24	32	2.11	53.67	0.88	22.23	1.25	31.75		
	25	1	2.77	70.36	1.25	31.75	1.63	41.28		
	62 26		2.36	60.02	1.00	25.40 15.88	1.38	34.93		
	26		2.36	44.96 60.02	1.00	25.40	0.94 1.38	23.80 34.93		
}	28		3.02	76.71	1.44	36.50	1.84	46.74		
36	47	36	1.55	39.40	0.50	12.70	0.75	19.05		
	63		2.11	53.67	0.88	22.23	1.25	31.75		
	64		2.77	70.36	1.25	31.75	1.63	41.28		
							-			

90°, 45°

		TAE	BLE - E	3				
N	IL PART UMBER SIGNATOR	CONNECTOR SHELL SIZE	G (N	/IAX)	(	CABLE	RANGI	<b>.</b>
SHELL	DASH NO	1				IN		AX
SIZE			INCH	MM	INCH	MM	INCH	MM
	29		1.77	44.96	0,63	15.88	0.94	23.80
	30		2.36	60.02	1.00	25.40	1.38	34.93
40	31	40	3.02	76.71	1.44	36.50	1.88	47.63
1	48	70	1.55	39.40	0.50	12.70	0.75	19.05
	65		2.11	53.67	0.88	22.23	1.25	31.75
	66		2.77	70.36	1.25	31.75	1.63	41.28
	32		1.77	44.96	0.63	15.88	0.94	23.80
	33	1	2.36	60.02	1.00	25.40	1.38	34.93
44	34	44	3.02	76.71	1.44	36.50	1.88	47.63
	67	1	2.11	53.67	0.88	22.23	1.25	31.75
	68	1	2.77	70.36	1.25	31.75	1.63	41.28
	35		1.77	44.96	0.63	15.88	0.94	23.80
	36		2.36	60.02	1.00	25.40	1.38	34.93
48	37	48	3.02	76.71	1.44	36.50	1.88	47.63
	69		2.11	53.67	0.88	22.23	1.25	31.75
	70		2.77	70.36	1.25	31.75	1.63	41.28

<sup>(\*)-----</sup> DENOTES STYLE 2

## NON-ENVIRONMENTAL EMI / RFI BACKSHELL



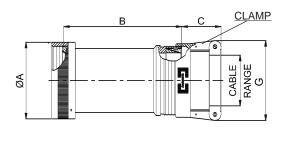
360-degree screen termination facility is offered in this Backshell in addition to other features of the Non-Environmental type. Available in straight, 90 degree bent and 45 degree bent varieties, it accommodates both individual and overall shielding.

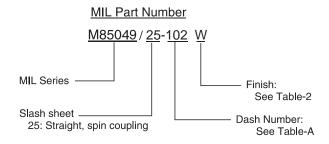
For Connector Group		Page No.
J	$\Rightarrow$	III-1 - III-7
K	$\Rightarrow$	III-8 - III-10
L	$\rightarrow$	III-11 - III-13

Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

**Connector Group - J** 

**Straight** 





NOTE: \* For more cable entry and length options, contact factory

					7	ABLE -	- A							
N	IL PART UMBER SIGNATOR	CONNECTOR SHELL SIZE	A DIA.	. (MAX)	В (	MAX)	C (I	REF)	G (I	MAX)		CABLE	ERANG	E
SHELL	DASH NO		INCH	мм	INCH	ММ	INCH	ММ	INCH	ММ	INCH	IN MM	INCH	AX MM
	05		0.62	15.67	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.25	6.35
08	06		0.62	15.67	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.25	6.35
08	07*	8	0.62	15.67	2.88	73.15	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	08*		0.62	15.67	3.88	98.55	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	09		0.73	18.64	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	10		0.73	18.64	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
10	11*	10	0.73	18.64	2.88	73.15	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
10	12*	] 10	0.73	18.64	3.88	98.55	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	136	]	0.73	18.64	2.13	54.10	1.03	26.09	1.15	29.08	0.25	6.35	0.38	9.53
	137		0.73	18,64	3.13	79.50	1.03	26,09	1.15	29.08	0.25	6,35	0.38	9,53
	13		0.86	21.79	2.13	54.10	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	14		0.86	21.79	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	15*		0.86	21.79	2.88	73.15	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	16*		0.86	21.79	3.88	98.55	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
12	111	7/12	0.86	21.79	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.50	12.70
	114		0.86	21.79	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	115		0.86	21.79	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	138	]	0.86	21.79	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.50	12.70
	139		0.86	21.79	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.50	12.70
	17		0.98	24.99	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.58	14.61
	18		0.98	24,99	3.13	79.50	1.03	26.09	1.33	33,83	0.35	8,89	0.58	14.61
	19*	]	0.98	24.99	2.88	73.15	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
14	20*	12/14 0. 0.	0.98	24.99	3.88	98.55	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
14	116		0.98	24.99	2.13	54.10	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	117		0.98	24.99	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
15	150		0.98	24.99	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	151		0.98	24.99	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92

## Non-Environmental EMI / RFI Backshell

**Connector Group - J** 

Straight

					Т	ABLE -	· A							
NU	L PART JMBER IGNATOR	CONNECTOR SHELL SIZE	A DIA.	. (MAX)	В (	MAX)	C (I	REF)	G (I	MAX)		CABLE	RANG	E
SHELL SIZE	DASH NO		INCH	ММ	INCH	ММ	INCH	мм	INCH	ММ	INCH	IIN MM	INCH	MM
SIZE	21		1.11	28.24	2.13	54.10	1.06	26.90	1.55	39.40	0.50	12.70	0.70	17.78
	22		1.11	28.24	3.13	79.50	1.06	26.90	1.55	39.40	0.50	12.70	0.70	17.78
	23* 24*		1.11	28.24	2.88	73.15 98.55	1.16	29.36 29.36	1.77	44.96 44.96	0.63	15.88 15.88	0.94	23.80
	112		1.11	28.24	2.13	54.10	1.03	26.09	1.15	29.08	0.63	6.35	0.44	11.10
16	113	19/16	1.11	28.24	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	118		1.11	28.24	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	119 152	-	1.11	28.24 28.24	3.13 2.13	79.50 54.10	1.03	26.09 26.09	1.33 0.96	33.83 24.31	0.35	8.89 3.18	0.63	15.88 7.92
	153		1.11	28.24	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	25		1.22	30.94	2.13	54.10	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	26		1.22	30.94	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	27 28	-	1.22	30.94	2.13	54.10 79.50	1.06	26.90 26.90	1.55 1.55	39.40 39.40	0.50	12.70 12.70	0.75	19.05 19.05
	29*	07/15	1.22	30.94	2.88	73.15	1.16	29.36	1.77	44.96	0.63	15.88	0.73	23.80
18	30*	27/18	1.22	30.94	3.88	98.55	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
	120		1.22	30.94	2.13	54.10	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	121 122		1.22	30.94	3.13 2.13	79.50 54.10	1.03	26.09 26.09	0.96 1.15	24.31 29.08	0.13	3.18 6.35	0.31	7.92 11,10
	123		1.22	30.94	3.13	79.50	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	31		1.35	34.16	3.13	79.50	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	32		1.35	34.16	4.13	104.90	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	33 34		1.35	34.16 34.16	3.13 4.13	79.50 104.90	1.06	26.90 26.90	1.55 1.55	39.40 39.40	0.50	12.70 12.70	0 <u>.</u> 75	19.05 19.05
	35*	37/20	1.35	34.16	3.88	98.55	1.16	29.36	1.77	44.96	0.63	15.88	0.73	23.80
20	36*		1.35	34.16	4.88	123.95	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
20	37*		1.35	34.16	3.88	98.55	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	38* 124		1.35	34.16 34.16	4.88 3.13	123.95 79.50	1.38	34.93 26.09	2.11 1.15	53.67 29.08	0.88	22.23 6.35	1.25 0.44	31.75
	125		1.35	34.16	4.13	104.90	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10 11.10
	140		1.35	34.16	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.90	22.96
	141		1.35	34.16	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.90	22.96
	39 40		1.47	37.29 37.29	3.13 4.13	79.50 104.90	1.03	26.09 26.09	1.33	33.83	0.35	8.89 8.89	0.63	15.88
	41		1.47	37.29	3.13	79.50	1.03	26.09	1.55	39.40	0.50	12.70	0.03	15.88 19.05
	42		1.47	37.29	4.13	104.90	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	43		1.47	37.29	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
	44		1.47	37.29	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
22	45* 46*	- 22	1.47	37.29 37.29	3.88 4.88	98.55 123.95	1.38	34.93	2.11	53.67 53.67	0.88	22.23	1.25 1.25	31.75 31.75
	126	1	1.47	37.29	3.13	79.50	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	127		1.47	37.29	4.13	104.90	1.03	26.09	0.96	24.31	0.13	3.18	0.31	7.92
	128 129	-	1.47	37.29 37.29	3.13	79.50 104.90	1.03	26.09	1.15	29.08	0.25	6.35	0.44	11.10
	142	-	1.47	37.29	4.13 3.13	79.50	1.03	26.09 34.93	1.15 2.11	29.08 53.67	0.25	6.35 22.23	1.03	11.10 26.14
	143	1	1.47	37.29	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.03	26.14
	47		1.59	40.46	3.13	79.50	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	48		1.59	40.46	4.13	104.90	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05
	49 50	•	1.59	40.46 40.46	3.13 4.13	79.50 104.90	1.16	29.36 29.36	1.77 1.77	44.96 44.96	0.63	15.88 15.88	0.81	20.62 20.62
	51	1	1.59	40.46	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
24	52	24	1.59	40.46	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80
-	53*		1.59	40.46	3.88	98.55	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75
	54* 130	•	1.59	40.46 40.46	4.88 3.13	123.95 79.50	1.38	34.93 26.09	2.11 1.33	53.67 33.83	0.88	22.23 8.89	1.25 0.63	31.75 15.88
	131	1	1.59	40.46	4.13	104.90	1.03	26.09	1.33	33.83	0.35	8.89	0.63	15.88
	144	]	1.59	40.46	3.13	79.50	1.38	34.93	2.11	53.67	0.88	22.23	1.14	29.06
	145		1.59	40.46	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.14	29.06

# Amphenol Non-Environmental EMI / RFI Backshell

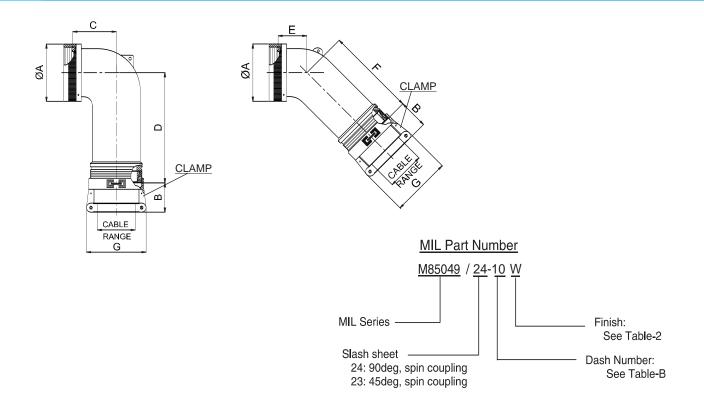
#### **Connector Group - J**

Straight

					TAB	LE - A									
N	IL PART UMBER SIGNATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	В (	MAX)	C (I	REF)	G (I	MAX)		CABLE	ERANG	Ē	
SHELL	DASH NO		INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	IIN MM	INCH	AX MM	
	55		1.97	50.01	3.13	79.50	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05	
	56	]	1.97	50.01	4.13	104.90	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05	
	57		1.97	50.01	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80	
28	58	28	1.97	50.01	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80	
	59		1.97	50.01	3.13	79.50	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75	
	60 61		1.97 1.97	50.01 50.01	4.13 3.13	104 <b>.</b> 90 79.50	1.38 1.50	34.93 38.10	2.11	53.67 600.20	1.00	22.23 25.40	1.25 1.38	31.75 34.93	
	62	1	1.97	50.01	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
	63		2.22	56.36	3.13	79.50	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80	
	64		2.22	56.36	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80	
	65		2.22	56.36	3.13	79.50	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75	
32	66	32	2.22	56.36	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75	
ا	67	ا ا	2.22	56.36	3.13	79.50	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
	68		2.22	56.36	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
	69		2.22	56.36	3.13	79.50	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28	
	70 71		2.22	56.36	4.13	104.90	1.78	45,24	2.77	70.36	1.25	31.75	1.63	41.28	
	71	1	2.47 2.47	62.71 62.71	4.13 5.13	104.90	1.38 1.38	34.93	2.11	53.67 53.67	0.88	22.23	1.25 1.25	31.75 31.75	
	73		2.47	62.71	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
	74		2.47	62.71	5.13	130.30	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
	75		2.47	62.71	4.13	104.90	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28	
	76	1	2.47	62.71	5.13	130.30	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28	
36	77*	36	2.47	62.71	5.01	127.25	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63	
30	78*	30	2.47	62.71	6.01	152.65	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63	
	132		2.47	62.71	4.13	104.90	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05	
	133		2.47	62.71	5.13	130.30	1.06	26.90	1.55	39.40	0.50	12.70	0.75	19.05	
	146			2.47	62.71	4.13	104.90	1.83	46.48	3.02	76.71	1.44	36.50	1.84	46.74
	147 148			2.47	62.71 62.71	5.13 4.13	130.30	1.83	46.48 29.36	3.02 1.77	76.71 44.96	1.44 0.63	36.50 15.88	1.84 0.94	46.74 23.80
	149		2.47	62.71	5.13	130.30	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80	
	79		2.72	69.06	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75	
	80		2.72	69.06	5.13	130.30	1.38	34.93	2.11	53,67	0.88	22,23	1.25	31.75	
	81	1	2.72	69.06	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
	82	]	2.72	69.06	5.13	130.30	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
	83		2.72	69.06	4.13	104.90	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28	
40	84	40	2.72	69.06	5.13	130.30	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28	
	85		2.72	69.06	4.13	104.90	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63	
	86 134		2.72 2.72	69.06 69.06	5.13 4.13	130.30	1.83	46.48	3.02 1.55	76.71 39.40	1.44	36.50 12.70	1.88 0.75	47.63 19.05	
	135	1	2.72	69.06	5.13	104.90	1.06 1.06	26.90 26.90	1.55	39.40	0.50	12.70	0.75	19.05	
	156	1	2.72	69.06	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.73	23.80	
	157	1	2.72	69.06	5.13	130.30	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80	
	87		2.97	75.41	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75	
	88	]	2.97	75.41	5.13	130.30	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75	
	89		2.97	75.41	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
	90		2.97	75.41	5.13	130.30	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
44	91 92	44	2.97	75.41	4.13	104.90	1.78	45.24	2.77	70.36	1.25	31.75	1.63	41.28	
	92	1	2.97 2.97	75.41 75.41	5.13 4.13	130.30	1.78 1.83	45.24 46.48	2.77 3.02	70.36 76.71	1.25 1.44	31.75 36.50	1.63 1.88	41.28 47.63	
	94	1	2.97	75.41	5.13	130.30	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63	
	154	1	2.97	75.41	4.13	104.90	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80	
	155	1	2.97	75.41	5.13	130.30	1.16	29.36	1.77	44.96	0.63	15.88	0.94	23.80	
	95		3.22	81.76	4.13	104.90	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75	
	96	]	3.22	81.76	5.13	130.30	1.38	34.93	2.11	53.67	0.88	22.23	1.25	31.75	
	97		3.22	81.76	4.13	104.90	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
48	98	48	3.22	81.76	5.13	130.30	1.50	38.10	2.36	60.02	1.00	25.40	1.38	34.93	
	99		3.22	81.76	4.13	104.90	1.78	45,24	2.77	70.36	1.25	31.75	1.63	41.28	
	100	1	3.22 3.22	81.76 81.76	5.13 4.13	130.30 104.90	1.78 1.83	45.24 46.48	2.77 3.02	70.36 76.71	1.25	31.75 36.50	1.63 1.88	41.28 47.63	
	102		3.22	81.76	5.13	130.30	1.83	46.48	3.02	76.71	1.44	36.50	1.88	47.63	
	102	1	0.22	01.70	0.10	100.00	1.00	70.70	0.02	70.71	1.44	00.00	1.00	77.00	

#### **Connector Group - J**

90°, 45°



NOTE: \* For more cable entry options, contact factory

				TAB	LE - B							
N	IL PART IUMBER SIGNATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	B (R	EF)	C (N	/IAX)	D (N	/IAX)	E (N	/IAX)
SHELL SIZE	DASH NO		INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
08	3	8	0.62	15.67	1.03	26.09	0.67	17.02	1.26	32.00	0.63	16.00
	4		0.73	18.64	1.03	26.09	0.76	19.30	1.98	50.29	0.69	17.53
10		10	0.73	18.64	1.03	26.09	1.52	38.61	2.00	50.80	1.50	38.10
5			0.73	18.64	1.03	26.09	0.76	19.30	1.38	35.05	0.69	17.53
	6	_	0.86	21.79	1.03	26.09	0.77	19.56	2.00	50.80	0.75	19.05
12	71*	7/12	0.86	21.79	1.03	26.09	1.81	45.97	2.16	54.86	1.65	41.91
'-	7		0.86	21.79	1.03	26.09	0.77	19.56	2.00	50.80	0.75	19.05
	8		0.86	21.79	1.03	26.09	0.77	19.56	1.40	35.56	0.75	19.05
	9		0.98	24.99	1.03	26.09	0.87	22.10	2.07	52.58	0.81	20.57
14	10	12/14	0.98	24.99	1.03	26.09	0.87	22.10	1.72	43.69	0.81	20.57
'- [	50*	12/14	0.98	24.99	1.06	26.90	1.89	48.01	2.33	59.18	1.84	46.74
	74	1 -	0.98	24.99	1.03	26.09	0.87	22.10	2.07	52.58	0.81	20.57
	11		1.11	28.24	1.03	26.09	1.05	26,67	2.16	54.86	0.91	23.11
	12	19/16	1.11	28.24	1.06	26.90	1.05	26.67	1.81	45.97	0.91	23.11
16	40		1.11	28.24	1.03	26.09	1.05	26.67	2.16	54.86	0.91	23.11
	51*		1.11	28.24	1.16	29.36	2.04	51.82	2.44	61.98	1.94	49.28
	75		1.11	28.24	1.03	26.09	1.05	26.67	2.16	54.86	0.91	23.11

**Connector Group - J** 

90°, 45°

			7	ΓABLE -	В							
N DES	IL PART UMBER SIGNATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	В (Я	EF)	C (N	ЛАХ)	D (N	ЛАХ)	E (N	IAX)
SHELL	DASH NO		INCH	ММ	INCH	мм	INCH	MM	INCH	MM	INCH	мм
	13		1.22	30.94	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69
[ [	14	]	1.22	30.94	1.16	29.36	1.14	28.96	1.98	50.29	1.09	27.69
18	41	27/18	1.22	30.94	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69
'	42		1.22	30.94	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69
	52		1.22	30.94	1.06	26.90	1.14	28.96	2.33	59.18	1.09	27.69
	72* 15		1.22	30.94	1.16	29.36	2.05 1.14	52.07	2.44	61.98 59.18	1.94	49.28
	16	•	1.35	34.16 34.16	1.16	29.36	1.14	28.96 28.96	1.98	50.29	1.09	27.69 27.69
20	43	37/20	1.35	34.16	1.03	26.09	1.14	28.96	2.33	59.18	1.09	27.69
	54	0.720	1,35	34.16	1.06	26,90	1.14	28,96	2,33	59.18	1.09	27.69
1	55	1	1.35	34.16	1.38	34.93	2.14	54.36	2.61	66.29	2.06	52.32
	17		1.47	37.29	1.06	26.90	1.29	32.77	2.44	61.98	1.19	30.23
	18	]	1.47	37.29	1.38	34.93	1.29	32.77	2.09	53.09	1.19	30.23
	44		1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23
22	45	22	1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23
	56		1.47	37.29	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23
	57		1.47	37.29	1.16	29.36	1.29	32.77	2.44	61.98	1.19	30.23
	58* 19		1.47	37.29 40.46	1.38	34.93 26.90	2.14 1.29	54.36 32.77	2.61	66.29 61.98	2.06	52.32 30.23
	20	-	1.59	40.46	1.38	34.93	1.29	32.77	2.09	53.09	1.19	30.23
24	46	24	1.59	40.46	1.03	26.09	1.29	32.77	2.44	61.98	1.19	30.23
-	59		1.59	40.46	1.16	29,36	1.29	32.77	2.44	61.98	1.19	30.23
	73*		1.59	40.46	1.38	34.93	2.15	54.61	2.61	66.29	2.06	52.32
	21		1.97	50.01	1.16	29.36	1.39	35,31	2.61	66.29	1.31	33.27
28	22	28	1.97	50.01	1.50	38.10	1.39	35.31	2.26	57.40	1.31	33.27
	60		1.97	50.01	1.06	26.90	1.39	35.31	2.61	66.29	1.31	33.27
	61		1.97	50.01	1.38	34.93	1.39	35.31	2.61	66.29	1.31	33.27
	23		2.22	56.36	1.16	29.36	1.74	44.20	2.86	72.64	1.38	35.05
32	24 25	32	2.22	56.36	1.38	34.93 45.24	1.74	44.20	2.86	72.64	1.38	35.05
	62	-	2,22	56.36 56.36	1.78 1.50	38.10	1.74	44.20	2.51	63.75 72.64	1.38	35.05 35.05
	26		2.47	62.71	1.16	29.36	1.94	49.28	2.83	71.88	1.41	35.81
	27		2.47	62.71	1.50	38.10	1.94	49.28	2.83	71.88	1.41	35.81
00	28		2.47	62.71	1.83	46.48	1.94	49.28	2.48	62.99	1.41	35.81
36	47	36	2.47	62.71	1.06	26.90	1.94	49.28	2.83	71.88	1.41	35.81
	63		2.47	62.71	1.38	34.93	1.94	49.28	2.83	71.88	1.41	35.81
	64		2.47	62.71	1.78	45.24	1.94	49.28	2.83	71.88	1.41	35.81
	29		2.72	69.06	1.16	29.36	2.69	68.33	2.83	71.88	2.16	54.86
	30		2.72	69.06	1.50	38.10	2.69	68.33	2.83	71.88	2.16	54.86
40	31	40	2.72	69.06	1.83	46.48	2.69	68.33	2.48	62.99	2.16	54.86
	48 65		2.72	69.06 69.06	1.06 1.38	26.90	1.94 2.69	49.28 68.33	2.83	71.88 71.88	2.16	54.86 54.86
	66		2.72	69.06	1.78	34.93 45.24	2.69	68.33	2.83	71.88	2.16	54.86
	32		2.97	75.41	1.16	29.36	2.69	68.33	2.83	71.88	2.16	54.86
	33	1	2.97	75.41	1.50	38.10	2.69	68.33	2.83	71.88	2.16	54.86
44	34	44	2.97	75.41	1.83	46.48	2.69	68.33	2.48	62.99	2.16	54.86
	67	]	2.97	75.41	1.38	34.93	2.69	68.33	2.83	71.88	2.16	54.86
	68		2.97	75.41	1.78	45.24	2.69	68.33	2.83	71.88	2.16	54.86
	35		3.22	81.76	1.16	29.36	2.69	68.33	2.83	71.88	2.16	54.86
	36		3,22	81.76	1.50	38.10	2.69	68.33	2.83	71.88	2.16	54.86
48	37	48	3.22	81.76	1.83	46.48	2.69	68.33	2.48	62.99	2.16	54.86
	69		3.22	81.76	1.38	34.93	2.69	68.33	2.83	71.88	2.16	54.86
	70		3.22	81.76	1.78	45.24	2.69	68.33	2.83	71.88	2.16	54.86

# Amphenol Non-Environmental EMI / RFI Backshell

**Connector Group - J** 

90°, 45°

			TAE	BLE - E	3					
DES	IL PART UMBER SIGNATOR	CONNECTOR SHELL SIZE		IAX)		/IAX)		CABLE		
SHELL	DASH NO		l <b>.</b>					IN		AX
SIZE			INCH	MM	INCH	MM	INCH	MM	INCH	MM
- 08	3	8	1.25	31.75	0.96	24.31	0.13	3.18	0.25	6.35
10	4 49*	10	1.92	48.77	0.96	24.31	0.13	3.18	0.31	7.92
10	49 5	10	1.98	50.29 33.27	1.15	29.08 29.08	0.25	6.35 6.35	0.44	9.53
	6		1.98	50.29	0.96	24.31	0.13	3.18	0.31	7.92
	71*		2.18	55.37	1.33	33.83	0.13	8.89	0.63	15.88
12	7	7/12	1,98	50.29	1.15	29.08	0.25	6.35	0.44	11.10
	8		1.98	50.29	1.33	33.83	0.35	8.89	0.50	12.70
	9		2.07	52.58	1.15	29.08	0.25	6.35	0.44	11.10
	10		1.72	43.69	1.33	33.83	0.35	8.89	0.58	14.61
14	50*	12/14	2.37	60.20	1.55	39.40	0.50	12.70	0.75	19.05
	74		2.07	52.58	0.96	24.31	0.13	3.18	0.31	7.92
	11		2.18	55.37	1.15	29.08	0.25	6.35	0.44	11.10
	12	]	1.82	46.23	1.55	39.40	0.50	12.70	0.70	17.78
16	40	19/16	2.18	55.37	1.33	33.83	0.35	8.89	0.63	15.88
	51*		2.52	64.01	1.77	44.96	0.63	15.88	0.94	23.80
	75		2.18	55.37	0.96	24.31	0.13	3.18	0.31	7.92
	13		2.37	60.20	1.33	33.83	0.35	8.89	0.63	15.88
	14		2.00	50.80	1.77	44.96	0.63	15.88	0.78	19.79
18	41	- 2//18 <b>-</b>	2.37	60.20	0.96	24.31	0.13	3.18	0.31	7.92
	42	27/18	2.37	60.20	1.15	29.08	0.25	6.35	0.44	11.10
	52		2.37	60.20	1.55	39.40	0.50	12.70	0.75	19.05
	72*		2.52	64.01	1.77	44.96	0.63	15.88	0.94	23.80
	15		2.37	60.20	1.33	33.83	0.35	8.89	0.63	15.88
20	16	37/20	2.00	50.80	1.77	44.96	0.63	15.88	0.90	22.96
20	43 54	37/20	2.37	60.20	1.15	29.08	0.25	6.35	0.44	11.10
	55		2.37	60.20 65.28	1.55 2.11	39.40 53.67	0.50	12.70 22.23	0.75 1.25	19.05 31.75
	17		2,52	64.01	1,55	39.40	0.50	12.70	0,75	19.05
	18		2.16	54.86	2.11	53.67	0.30	22.23	1.03	26.14
	44		2.52	64.01	0.96	24.31	0.13	3.18	0.31	7.92
22	45	22	2.52	64.01	1.15	29.08	0.25	6.35	0.44	11.10
	56		2.52	64.01	1.33	33.83	0.35	8.89	0.63	15.88
	57		2.52	64.01	1.77	44.96	0.63	15.88	0.94	23.80
	58*	1	2.57	65.28	2.11	53.67	0.88	22.23	1.25	31.75
	19		2.52	64.01	1.55	39.40	0.50	12.70	0.75	19.05
	20		2.16	54.86	2.11	53.67	0.88	22.23	1.14	29.06
24	46	24	2.52	64.01	1.33	33.83	0.35	8.89	0.63	15.88
	59		2.52	64.01	1.77	44.96	0.63	15.88	0.94	23.80
	73*		2.57	65.28	2.12	53.75	0.88	22.23	1.25	31.75
	21		2.57	65.28	1.77	44.96	0.63	15.88	0.94	23,80
28	22	28	2.22	56.39	2.36	60.02	1.00	25.40	1.38	34.93
-	60	~	2.57	65.28	1.55	39.40	0.50	12.70	0.75	19.05
	61		2.57	65.28	2.11	53.67	0.88	22.23	1.25	31.75
	23		2.67	67.82	1.77	44.96	0.63	15.88	0.94	23.80
32	24	32 2	2.67	67.82	2.11	53.67	0.88	22.23	1.25	31.75
	25	-	2.32	58.93	2.77	70.36	1.25	31.75	1.63	41.28
	62	<u> </u>	2.67	67.82	2.36	60.02	1.00	25.40	1.38	34.93

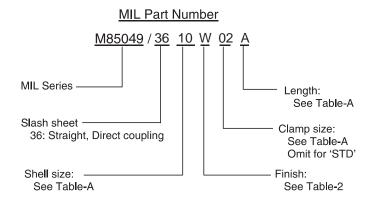
**Connector Group - J** 

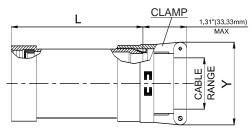
90°, 45°

			TAI	BLE - E	3					
N	IL PART UMBER SIGNATOR	CONNECTOR SHELL SIZE	F (N	IAX)	G (N	ЛАХ)		CABLE	RANGI	<b>=</b>
SHELL	DASH NO						М	IN	M	AX
SIZE	DASITINO		INCH	MM	INCH	MM	INCH	MM	INCH	MM
	23		2.67	67.82	1.77	44.96	0.63	15.88	0.94	23.80
32	24	32	2.67	67.82	2.11	53.67	0.88	22.23	1.25	31.75
52	25	32	2.32	58.93	2.77	70.36	1.25	31.75	1.63	41.28
	62		2.67	67.82	2.36	60.02	1.00	25.40	1.38	34.93
	26		2.76	70.10	1.77	44.96	0.63	15.88	0.94	23.80
	27		2.76	70.10	2.36	60.02	1.00	25.40	1.38	34.93
36	28	36	2.41	61.21	3.02	76.71	1.44	36.50	1.84	46.74
30	47	7 30	2.76	70.10	1.55	39.40	0.50	12.70	0.75	19.05
	63		2.76	70.10	2.11	53.67	0.88	22.23	1.25	31.75
[	64		2.76	70.10	2.77	70.36	1.25	31.75	1.63	41.28
	29		2.76	70.10	1.77	44.96	0.63	15.88	0.94	23.80
	30	]	2.76	70.10	2.36	60.02	1.00	25.40	1.38	34.93
40	31	40	2.41	61.21	3.02	76.71	1.44	36.50	1.88	47.63
40	48	7 40	2.76	70.10	1.55	39.40	0.50	12.70	0.75	19.05
	65		2.76	70.10	2.11	53.67	0.88	22.23	1.25	31.75
[	66		2.76	70.10	2.77	70.36	1.25	31.75	1.63	41.28
	32		2.76	70.10	1.77	44.96	0.63	15.88	0.94	23.80
	33		2.76	70.10	2.36	60.02	1.00	25.40	1.38	34.93
44	34	44	2.41	61.21	3.02	76.71	1.44	36.50	1.88	47.63
	67		2.76	70.10	2.11	53.67	0.88	22.23	1.25	31.75
[	68		2.76	70.10	2.77	70.36	1.25	31.75	1.63	41.28
	35		2.76	70.10	1.77	44.96	0.63	15.88	0.94	23.80
	36		2.76	70.10	2.36	60.02	1.00	25.40	1.38	34.93
48	37		2.41	61.21	3.02	76.71	1 44	36.50	1.88	47.63
	69		2.76	70.10	2.11	53.67	0.88	22.23	1.25	31.75
[	70	]	2.76	70.10	2.77	70.36	1.25	31.75	1.63	41.28

**Connector Group - K** 

**Straight** 





NOTE: \* For more cable entry and length options, contact factory

08				Т	ABLE	- A						
ACCESSORY SHELL SIZE SE - II / I INCH MM INCH MM INCH MM INCH MM INCH MM INCH MM INCH INCH INCH INCH INCH INCH INCH INCH				CONNECTOR		CABLE	RANGE	<b>=</b>	L (I	MAX)	Y (N	ЛАХ)
SHELL SIZE   SIZE   STD.   A	ACCESSORY	CLAMP			M	IN	M	AX				
08   O1			LENGTH		INCH	ММ	INCH	мм	INCH	ММ	INCH	мм
08		01		- 1-	0.06	1.57	0.13	3.18			0.78	19.81
10   STD.   A   10 / 11   0.06   1.57   0.13   3.18   1.53   38.86   0.78   19   19   10   10     A     0.11   0.13   3.18   0.25   6.35   6.35   6.26   0.97   2.53   64.26   0	08	02	STD.	8/9	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
10 02 STD.		01	STD.		0.06	1.57	0.13	3.18	1.53	38.86	0.78	19.81
12	10	02	STD.	_	0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
12		03	STD.		0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
12 03 STD. A 12/13 0.25 6.35 0.38 9.53 1.53 38.86 2.53 64.26 1.06 20 0.31 7.92 0.50 12.70 1.53 38.86 2.53 64.26 1.16 20 0.31 7.92 0.50 12.70 1.53 38.86 2.53 64.26 1.16 20 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.3		02	STD.		0.13	3.18	0.25	6.35	1.53	38.86	0.97	24.64
14 STD.  O.31 7.92 0.50 12.70 1.53 38.86 2.53 64.26 1.16 25 2.53 64.26		03	STD.	12 / 13	0.25	6.35	0.38	9.53	1.53	38.86	1.06	26.92
14 STD.  02 A  B  STD.  0.13 3.18 0.25 6.35 2.53 64.26 0.97 2.6  3.53 89.66  0.25 6.35 0.38 9.53 2.53 64.26 1.06 2.6  14 STD.  04 A  B  0.13 7.92 0.50 12.70 2.53 64.26 1.16 2.6		04	STD.		0.31	7.92	0.50	12.70	1.53	38.86	1.16	29.46
B STD. 03 A B 14/15 04 A B 0.31 7.92 0.50 12.70 2.53 64.26 1.16 29 0.31 7.92 0.50 12.70 2.53 64.26 1.16 29									1.53	38.86		
14 B 14/15 0.25 6.35 0.38 9.53 2.53 64.26 1.06 20 3.53 89.66		02			0.13	3.18	0.25	6.35			0.97	24.64
14 STD. 04 A B 0.31 7.92 0.50 12.70 2.53 64.26 1.16 29		03	Α		0.25	6.35	0.38	9.53	2.53	64.26	1.06	26.92
B 3.53 89.66	14	0.4	STD.	14 / 15	0.04	7.05	0.55	10.70	1.53	38.86	4.46	00.45
		04	В		0.31	7.92	0.50	12.70	3.53	89.66	1.16	29.46
		05			0.44	11.10	0.63	15.88			1.25	31.75

**Connector Group - K** 

Straight

20 C STD. 0.56 14.27 0.75 19.05 3.53 89.66 4.53 115.06 1.38 35.05    8 STD. 0.69 17.45 0.88 22.23 2.53 64.26 1.50 38.10    8 STD. 0.69 17.45 0.88 22.23 2.53 64.26 1.50 38.10    8 STD. 0.69 17.45 0.88 22.23 2.53 64.26 1.50 38.10    8 STD. 0.69 17.45 0.88 22.23 2.53 64.26 1.50 38.10    8 STD. 0.69 17.45 0.88 22.23 2.53 64.26 1.50 38.10    8 STD. 0.81 20.62 1.00 25.40 25.30 64.26 3.53 89.66 1.63 41.40				1	ABLE	- A							
Shell Size   S			R		(	CABLE	RANGE	<b>.</b>	L (I	MAX)	Y (N	IAX)	
SHELL SIZE	ACCESSORY	CLAMP			М	IN	M	AX					
16			LENGTH		INCH	ММ	INCH	ММ	INCH	мм	INCH	мм	
B			STD.						1.53	38.86			
STD.		02			0.13	3.18	0.25	6.35			0.97	24.64	
16													
16		03	Α		0.25	6.35	0.38	9.53			1.06	26.92	
16													
B   STD.   O.44   11.10   O.63   15.88   2.53   64.26   1.25   31.75	16	04		16 / 17	0.31	7 92	0.50	12 70			1 16	29 46	
0.5	10	04		10 / 17	0.01	7.02	0.00	12.70			1.10	20.10	
B   STD   O.56			STD.						1.53	38.86			
STD.		05			0.44	11.10	0.63	15.88			1.25	31.75	
18													
B   STD.		06			0.56	14.27	0.75	19.05			1.38	35.05	
18										89.66			
18		0.0			0.05	0.05	0.00	0.50			4.00	00.00	
18		03			0.25	6.35	0.38	9.53			1.06	26.92	
B   STD.   A   B   B   STD.   A   B   B   STD.   A   B   C   C   C   STD.   A   B   C   C   STD.   A   C   STD.   A   C   STD.   A   C   S													
18		04	Α		0.31	7.92	0.50	12.70		64.26	1.16	29.46	
18		10 05	_										
B STD. 0.56 14.27 0.75 19.05 2.53 64.26 1.38 35.05 89.66	18	05		18 / 19	0 44	11 10	0.63	15.88			1 25	31.75	
06	18			10 / 10	0.44	11.10	0.00	10.00			1.20	01.70	
B   STD.   O.69   17.45   O.88   22.23   2.53   64.26   1.50   38.10			STD.										
O		06			0.56	14.27	0.75	19.05			1.38	35.05	
07 A B STD. 03 A B C STD. 04 A B C STD. 05 A B C STD. 05 A B C C STD. 06 A B C C STD. 07 A B C C STD. 08 B C C STD. 09 A A B C C STD. 09 A B C C STD. 00 B C C S													
8 STD. 03 A B C STD. 04 A B C STD. 05 A B C STD. 05 A B C STD. 06 A B C STD. 06 A B C STD. 07 A B C STD. 07 A B C STD. 08 B C S STD. 08 B S S S S S S S S S S S S S S S S S S S		07			_	0.69	17.45	0.88	22.23		_	1.50	38.10
03			В										
20													
C STD. 04 A B C STD. 05 A B C STD. 06 A B C STD. 06 A B C STD. 07 A B C STD. 07 A B C STD. 08 B C C STD. 08 B C C STD. 09 B C STD.		03			0.25	6.35	0.38	9.53			1.06	26.92	
20													
20													
C STD. 05 A B C C STD. 06 A B C C STD. 06 A B C C STD. 07 A B C C STD. 07 A B C C STD. 08 B C C STD. 08 A B C C STD. 08 B C C STD. 08 A B C C STD. 08 B C C STD. 08 A B C C STD. 08 A B C C STD. 08 B C C STD. 08 B C C STD. 08 A B C C STD. 08 A B C C STD. 08 B C C STD. 08 A B C C STD. 08 A B C C STD. 08 A B C C STD. 08 B C C STD. 08 A STD. 0		04			0.31	7.92	0.50	12.70			1.16	29.46	
20   STD.   0.44   11.10   0.63   15.88   1.53   38.86   2.53   64.26   3.53   89.66   4.53   115.06   1.25   31.75   1.53   38.86   2.53   64.26   3.53   89.66   4.53   115.06   1.38   35.05   1.38													
20   STD.   O.56   14.27   O.75   19.05   3.53   89.66   4.53   115.06   1.28   31.75			STD.										
20 C STD. 06 A B C STD. 0.56 14.27 0.75 19.05 2.53 64.26 1.38 35.05 2.53 64.26 1.38 35.05 2.53 64.26 1.50 38.86 2.53 64.26 1.50 38.86 2.53 64.26 3.53 89.66 4.53 115.06 2.53 64.26 3.53 89.66 4.53 115.06 2.53 64.26 3.53 89.66 4.53 115.06 2.53 64.26 3.53 89.66 4.53 115.06 2.53 64.26 3.53 89.66 4.53 115.06 2.53 64.26 3.53 89.66 4.53 115.06 2.53 64.26 3.53 89.66 4.53 115.06 2.53 64.26 3.53 89.66 4.53 115.06 2.53 64.26 3.53 89.66 41.40 2.53 64.26 3.53 64.26 3.53 89.66 41.40 2.53 64.26 3.53 64.26 3.53 64.26 3.53 64.26 3.53 64.26 3.53 64.26 3.53 64.26 3.53 64.26 3.53 64.26 3.53 64.26 3.53 64		05			0.44	11.10	0.63	15.88			1.25	31.75	
20 STD.  06 A  B  C  STD.  0.56 14.27 0.75 19.05 2.53 64.26 3.53 89.66 4.53 115.06 4.53 11													
06 B C STD. 07 A B C STD. 08 B C STD. 08 A B C STD. 08 B C STD. 08 A B C STD. 08 B C STD. 08 A B C STD. 08 B C STD. 08 A B STD. 08 B C STD. 08 A STD. 08 A STD. 08 B C STD. 08 A STD. 08 B C STD. 08 A STD. 08 B STD. 08 A STD.	20			20 / 21									
B		06	Α		0.56	14 27	0.75	19.05			1.38	35.05	
STD.       A       B       C       STD.       08       A       B       C       STD.       08       A       B       0.81       20.62       1.53       38.86       22.23       3.53       89.66       1.53       38.86       2.53       64.26       3.53       89.66       1.63       41.40		00			0.00	1 1.27	0.70	10.00			1.00	00.00	
07 A B C STD. 08 A B 0.69 17.45 0.88 22.23 2.53 64.26 3.53 89.66 4.53 115.06 25.40 25.40 25.40 25.40 3.53 89.66 1.63 41.40													
0.69 17.45 0.68 22.23 3.53 89.66 1.50 36.10    STD.		0.7			0.60	17 45	0.00	22.22			1.50	20 10	
STD. 08 A B 0.81 20.62 1.00 25.40 1.53 38.86 2.53 64.26 3.53 89.66 1.63 41.40		07			0.09	17.45	0.88	22.23	3.53		1.50	30.10	
08 A 0.81 20.62 1.00 25.40 25.40 2.53 64.26 3.53 89.66 1.63 41.40	-												
08 B 0.81 20.62 1.00 25.40 3.53 89.66 1.63 41.40			-										
C 4.53 115 06		08			0.81	20.62	1.00	25.40			1.63	41.40	
			С						4.53	115.06			

**Table Continued** 

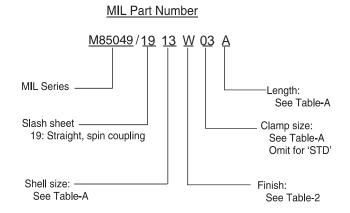
#### **Connector Group - K**

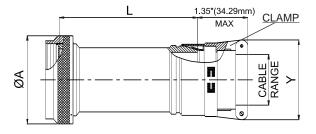
**Straight** 

			Т	ABLE	- A							
	RT NUMB GNATOR	ER		(	CABLE	RANGE	•	L (I	ЛАХ)	Y (N	IAX)	
ACCESSORY	CLAMP		CONNECTOR SHELL SIZE	М	IN	M	AX					
SHELL SIZE	SIZE	LENGTH	SE – II / I	INCH	MM	INCH	MM	INCH	ММ	INCH	ММ	
		STD						1.53	38.86			
	03	A		0.25	6.35	0.38	9.53	2.53	64.26	1.06	26.92	
		B C						3.53 4.53	89.66 115.06			
		STD.						1.53	38.86			
	04	Α		0.31	7.92	0.50	12.70	2.53	64.26	1.16	29.46	
	04	В		0.01	1.52	0.50	12.70	3.53	89.66	1.10	23.40	
		C						4.53	115.06			
		STD.						1.53 2.53	38.86 64.26			
	05	В		0.44	11.10	0.63	15.88	3,53	89.66	1.25	31.75	
		C						4.53	115.06			
		STD.						1.53	38.86			
22	06	A	22 /23	0.56	14.27	0.75	19.05	2.53	64.26	1.38	35.05	
		B C						3.53	89.66			
		STD.						4.53 1.53	115.06 38.86			
	0.7	A A			47.45			2.53	64.26	4 50	00.40	
	07	В		0.69	17.45	0.88	22.23	3.53	89.66	1.50	38.10	
		С						4.53	115.06			
		STD.						1.53	38,86			
	08	A		0.81	20.62	1.00	25.40	2.53	64.26	1.63	41.40	
		B C						3.53 4.53	89.66 115.06			
		STD.						1.53	38.86			
	09	A		0.94	22.00	1 10	20 50	2.53	64.26	1 75	44.45	
		В		0.94	23.80	1.13	28.58	3.53	89.66	1.75	44.45	
		С						4.53	115.06			
		STD.						1.53	38.86			
	04	A B		0.31	7.92	0.50	12.70	2.53	64.26 89.66	1.16	29.46	
		C						4.53	115.06			
		STD.						1.53	38.86			
	05	А		0.44	11.10	0.63	15.88	2.53	64.26	1.25	31.75	
		В		0.11	11.10	0.00	10.00	3.53	89.66	1.20	01170	
		C STD.						4.53 1.53	115.06 38.86			
		A						2.53	64.26			
	06	В		0.56	14.27	0.75	19.05	3.53	89.66	1.38	35.05	
		С						4.53	115.06			
		STD.						1.53	38.86			
24	07	A	24 / 25	0.69	17.45	0.88	22.23	2.53	64.26	1.50	38.10	
		B C						3.53 4.53	89.66 115.06			
-		STD.						1.53	38.86			
	00	A		0.01	20.62	1.00	25 40	2.53	64.26	1.60	41 40	
	08	В		0.81	20.62	1.00	25.40	3.53	89.66	1.63	41.40	
		С						4.53	115.06			
		STD.						1.53	38.86			
-	09	A B		0.94	23.80	1.13	28.58	2.53	64.26 89.66	1.75	44.45	
		C				1.10	1.13   2		4.53	115.06		
		STD.						1.53	38.86			
	10	Α		1.06	26.97	1.25	31.75	2.53	64.26	1.88	47.75	
	.0	В			20.07	120	00	3.53	89.66	1.00		
		С				<u> </u>		4.53	115.06			

**Connector Group - L** 

**Straight** 





NOTE: \* For more cable entry and length options, contact factory

				7	<b>TABLE</b>	- A							
	RT NUME		CONNECTOR		CABLE			A DIA	. (MAX)	L (I	MAX)	Y (N	IAX)
CONNECTOR	CLAMP		SHELL	М	IN	M.	AX						
SHELL SIZE	SIZE	LENGTH	SIZE/CODE (REF.)	INCH	ММ	INCH	мм	INCH	MM	INCH	ММ	INCH	ММ
	01	STD.		0.06	1.57	0.13	3.18			1.53	38.86	0.80	20.32
9	01	Α	09 / A	0.00	1.57	0.10	0.10	0.75	19.05	2.53	64.26	0.00	20.02
J	02	STD.	00771	0,13	3,18	0,25	6,35	0.70	10.00	1.53	38.86	1,00	25.40
		Α		0,10	0,10	0.20	0.00			2.53	64.26	1,00	20.10
	01	STD.		0.06	1.57	0.13	3.18			1.53	38.86	0.80	20.32
		A								2.53	64.26		
11	02	A	11 / B	0.13	3.18	0.25	6.35	0.85	21,59	1.53	38.86	1.00	25.40
										2.53	64.26		
	03	STD.		0.25	6.35	0.38	9.53			1.53	38.86	1.10	27.94
		A STD.								2.53	64.26 38.86		
	02	A A		0.13	3.18	0.25	6.35			2.53	64.26	1.00	25.40
		STD.								1.53	38.86		
13	03	A A	13 / C	0,25	6,35	0.38	9.53	1.00	25,40	2.53	64.26	1.10	27.94
		STD.								1.53	38.86		
	04	A		0.31	7.92	0.50	12.70			2.53	64.26	1.20	30.48
		STD.								1.53	38.86		
	02	Α		0.13	3.18	0.25	6.35			2.53	64.26	1.00	25.40
		В								3.53	89.66	1	
		STD.						1		1.53	38.86		
	03	Α		0.25	6.35	0.38	9.53			2.53	64.26	1.10	27.94
15 -		В	15 / D					1.10	27.94	3.53	89.66		
		STD.	13,0						27.04	1.53	38.86		
	04	Α		0.31	7.92	0.50	12.70			2.53	64.26	1.20	30.48
		В								3.53	89.66		
		STD.								1.53	38.86		
	05	A		0.44	11.10	0.63	15.88			2.53	64.26	1.25	31.75
		В								3.53	89.66		

**Connector Group - L** 

Straight

					<b>TABLE</b>	A							
	RT NUMB GNATOR		CONNECTOR SHELL		CABLE		E AX	A DIA	. (MAX)	L (N	MAX)	Y (N	IAX)
CONNECTOR SHELL SIZE	CLAMP SIZE	LENGTH	SIZE/CODE										
OHELL OILL	OILL	OTD	(REF.)	INCH	ММ	INCH	MM	INCH	MM	INCH	MM	INCH	MM
	02	STD.		0.13	3.18	0.25	6.35			1.53 2.53	38.86 64.26	1.00	25.40
	-	В		00	00	0.20	0.00			3.53	89.66		
		STD.		0.05	0.05	0.00				1.53	38.86	1 10	07.04
	03	A B		0.25	6.35	0.38	9.53			2.53 3.53	64.26 89.66	1.10	27.94
		STD.								1.53	38.86		
17	04	Α	17 / E	0.31	7.92	0.50	12.70	1.25	31.75	2.53	64.26	1.20	30.48
		В								3.53	89.66		
	05	STD. A		0.44	11.10	0.63	15.88			1.53 2.53	38.86 64.26	1.25	31.75
	00	В		0		0.00	10.00			3.53	89.66	1120	01170
		STD.								1.53	38.86		
	06	A B		0.56	14.27	0.75	19.05			2.53	64.26	1.40	35.56
		STD.								3.53 1.53	89.66 38.86		
	03	A		0.25	6.35	0.38	9.53			2.53	64.26	1.10	27.94
		В								3.53	89.66		
	04	STD.		0.31	7.92	0.50	12.70			1.53	38.86	1.20	30.48
-	04	A B		0.31	7.92	0.50	12.70			2.53 3.53	64.26 89.66	1.20	30.40
		STD.								1.53	38.86		
19	05	Α	19 / F	0.44	11.10	0.63	15.88	1.40	35.56	2.53	64.26	1.25	31.75
		B STD.								3.53 1.53	89.66 38.86		
	06	A		0.56	14.27	0.75	19.05			2.53	64.26	1.40	35.56
		В								3.53	89.66		
	0.7	STD.		0.00	17.45	0.00	00.00			1.53	38.86	1.50	00.40
	07	A B		0.69	17.45	0.88	22.23			2.53 3.53	64.26 89.66	1.50	38.10
		STD.								1.53	38.86		
	03	Α		0.25	6.35	0.38	9.53			2.53	64.26	1.10	27.94
		B C								3.53	89.66		
		STD.								4.53 1.53	115.06 38.86		
	04	Α		0.31	7.92	0.50	12.70			2.53	64.26	1.20	30.48
	04	В		0.01	7.02	0.00	12.70			3.53	89.66	1.20	00.40
		C STD.								4.53 1.53	115.06 38.86		
	O.F.	A A		0.44	11 10	0.60	15.00			2.53	64.26	1.05	01.75
	05	В		0.44	11.10	0.63	15.88			3.53	89.66	1.25	31.75
21		C	21 / G					1.50	38.10	4.53	115.06 38.86		
		STD.								1.53 2.53	64.26		
-	06	В		0.56	14.27	0.75	19.05			3.53	89.66	1.40	35.56
		С								4.53	115.06		
		STD.								1.53 2.53	38.86 64.26		
	07	В		0.69	17.45	0.88	22.23			3.53	89.66	1.50	38.10
		С								4.53	115.06		
		STD.								1.53	38.86		
	80	A B		0.81	20.62	1.00	25.40			2.53 3.53	64.26 89.66	1.65	41.91
		С							<u></u>	4.53	115.06		

**Connector Group - L** 

Straight

CONNECTOR   STEEL					-	ΓABLE	- A							
STICE SIZE SIZE SIZE CODE (REF.)    A				1			RANGE	≣	A DIA	. (MAX)	L (ľ	MAX)	Y (N	IAX)
STD			I FNGTH		M	IN	M	AX						
0.3	SHELL SIZE	SIZE	LLINGIII		INCH	ММ	INCH	ММ	INCH	MM	INCH	MM	INCH	ММ
0.3   B   C   C   STD.														
C   STD.   O.31   7.92   O.50   12.70		03			0.25	6.35	0.38	9.53					1.10	27.94
04														
C														
C   STD.   A   B   C   STD.   A   B   C   C   STD.   A   A   A   A   A   A   A   A   A		04			0.31	7.92	0.50	12.70					1.20	30.48
23														
23														
23		05			0.44	11.10	0.63	15.88					1.25	31.75
23			С											
STD.   O.80   17.45   O.88   22.23     STD.   O.80   O.81   20.62   O.81   O.82   O.83   O.84   O.85   O.85   O.86   O.														
C STD. A B C C C C C C C C C C C C C C C C C C	23	06		23 / H	0.56	14.27	0.75	19.05	1.65	41.91			1.40	35.56
O7														
STD.   O.89   17.45   O.88   22.23     O.85   O.85   O.86   O.81   O.81   O.82   O.82   O.85   O.85   O.85   O.86   O.85   O.86   O.85   O.86   O.85   O.86   O.8														
C   STD.		07			0.69	17.45	0.88	22.23					1.50	38.10
08														
STD.   O.56   14.27   O.75   19.05   O.50														
C   STD.   O.94   23.80   1.13   28.58   Sa.86   2.53   64.26   1.75   44.45		80			0.81	20.62	1.00	25.40					1.65	41.91
O9														
09   B   C   C   STD.   0.31   7.92   0.50   12.70   1.53   38.86   2.53   64.26   3.53   89.66   1.20   30.48   1.50   30.4														
C   STD.		09			0.94	23.80	1.13	28.58					1.75	44.45
O4														
0.31														
C   STD.   O.44   11.10   O.63   15.88		04			0.31	7.92	0.50	12.70					1.20	30.48
25														
25 B C STD. 06 A B C STD. 07 A B C STD. 08 B C C STD. 08 B C C STD. 08 B C C STD. 09 A B C C S				]										
C STD.  06 A  B C STD.  07 A  B C STD.  08 B  C C STD.  08 B  C C STD.  08 A  0.56 14.27 0.75 19.05 19.05 1.53 38.86 2.53 64.26 4.53 115.06 1.50 38.10 1.50 38.86 2.53 64.26 4.53 115.06 1.50 38.10 1.50 38.86 2.53 64.26 4.53 115.06 1.50 38.86 2.53 64.26 4.53 115.06 1.50 38.86 2.53 64.26 4.53 115.06 1.53 38.86 2.53 64.26 1.50 38.10 1.50 38.10 1.50 38.86 2.53 64.26 1.50 44.45 38.86 2.53 64.26 1.50 44.45		05			0.44	11.10	0.63	15.88					1.25	31.75
25														
25				]										
C STD.  08 A B C STD.  08 B C STD.  08 B C STD.  08 B C STD.  08 B C STD.  09 A B C STD.  09 B C STD.  09 A B C STD.  09 A B C STD.  09 B C STD.  09 A B C STD.  09 B C STD.  09 A B C STD.  09 A B C STD.  09 B C STD.  09 A B C STD.  09 B C STD.  09 A STD.  09 A STD.  09 B C STD.  09 A STD.  09 A STD.  09 A STD.  09 A STD.  09 B C STD.  09 A STD.		06			0.56	14.27	0.75	19.05					1.40	35.56
25														
25 07 B 25/3 0.69 17.45 0.88 22.23 1.75 44.45 3.53 89.66 4.53 115.06 1.50 38.10    8TD.				]										
C STD.  08 A  B C STD.  09 A  0.81 20.62 1.00 25.40  0.81 20.62 1.00 25.40  0.81 20.62 1.00 25.40  0.81 20.62 1.00 25.40  0.81 20.62 1.00 25.40  0.81 20.62 1.00 25.40  0.81 20.62 1.00 25.40  1.53 38.86 2.53 64.26 1.65 41.91  2.53 64.26 2.53 64.26 1.75 44.45  0.94 23.80 1.13 28.58  0.94 23.80 1.13 28.58  0.94 23.80 1.13 28.58  0.94 23.80 1.13 28.58  0.94 23.80 1.13 28.58	25	07		25 / J	0.69	17.45	0.88	22.23	1.75	44.45			1.50	38.10
STD.  08  A  B  C  STD.  09  A  0.81  20.62  1.00  25.40  25.40  25.40  1.53  38.86  2.53  64.26  3.53  89.66  4.53  115.06  1.65  41.91  41.91  28.58  C  STD.  09  A  0.94  23.80  1.13  28.58  2.53  64.26  1.75  44.45  44.45  1.65  41.91  44.45  1.65  41.91  44.45  1.65  41.91  44.45														
B C STD.  09 A 0.94 23.80 1.13 28.58 3.53 89.66 4.53 115.06 1.55 38.86 2.53 64.26 3.53 89.66 1.75 44.45 25.50 64.26 1.55 38.86 2.55 64.26 1.75 44.45 1.50 4.53 115.06 1.55 38.86 2.55 64.26 1.90 48.26				]							1.53			
C STD. 09 A 0.94 23.80 1.13 28.58 2.53 64.26 1.75 44.45 C STD. C STD. A 1.06 26.97 1.25 31.75 2.53 64.26 1.90 48.26		80			0.81	20.62	1.00	25.40					1.65	41.91
STD.  09 A  B  C  STD.  1.53 38.86  2.53 64.26  3.53 89.66  4.53 115.06  STD.  1.64 26 97 1.25 31.75  1.53 38.86  2.53 64.26  1.75 44.45														
B											1.53	38.86		
C 4.53 115.06 1.53 38.86 2.53 64.26 1.90 48.26		09			0.94	23.80	1.13	28.58					1.75	44.45
STD.  1.53 38.86  2.53 64.26 1.90 48.26														
											1.53	38.86		
		10	A B		1.06	26.97	1.25	31.75			2.53 3.53	64.26 89.66	1.90	48.26
C 3.33 65.06 4.53 115.06														

## **ENVIRONMENTAL EMI / RFI BACKSHELL**



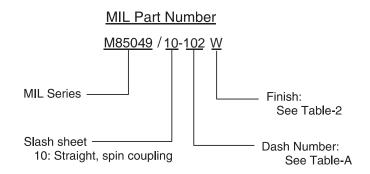
Both individual and overall shieldings can be terminated in this type in addition to the cable sealing as possible in the Environmental Backshell. It is an ideal choice for heavy duty cabling solutions in harsh environment situations where electromagnetic and radio frequency noises are to be isolated.

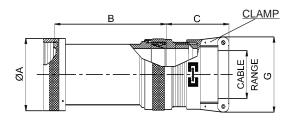
For Connector Group		Page No.
J	$\Rightarrow$	IV-1 - IV-8
K	$\Rightarrow$	IV-9 - IV-13
L	<b>→</b>	IV-14 - IV-19

Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

**Connector Group - J** 

**Straight** 





NOTE: \* For more cable entry and length options, contact factory

					-	<b>TABLE</b>	- A							
D	MIL PART NUMBER ESIGNATOR	CONNECTOR SHELL SIZE	A DIA.	. (MAX)	В (І	MAX)	C (F	REF)	G (I	MAX)		CABLE	RANGI	≣
SHELL SIZE	DASH NO		INCH	ММ	INCH	мм	INCH	ММ	INCH	мм	INCH	IN MM	INCH	AX MM
	05		0.62	15.67	2.13	54.10	1.54	39.22	0.96	24.31	0.13	3.18	0.25	6.35
08	06	8	0.62	15.67	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.25	6.35
	07*		0.62	15.67	2.88	73.15	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	08*		0.62	15.67	3.88	98.55	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	09		0.73	18.64	2.13	54.10	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	10		0.73	18.64	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
10	11*	10	0.73	18.64	2.88	73.15	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
'0	12*	] '0	0.73	18.64	3.88	98.55	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	136		0.73	18.64	2.13	54.10	1.54	39.22	1.15	29.08	0.25	6.35	0.38	9.53
	137		0.73	18.64	3.13	79.50	1.54	39.22	1.15	29.08	0.25	6.35	0.38	9.53
	13		0.86	21.79	2.13	54.10	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	14		0.86	21.79	3.13	79.50	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	15*		0.86	21.79	2.88	73.15	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
	16*		0.86	21.79	3.88	98.55	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
12	111	7/12	0.86	21.79	2.13	54.10	1.84	46.84	1.33	33.83	0.35	8.89	0.50	12.70
	114		0.86	21.79	2.13	54.10	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	115		0.86	21.79	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	138		0.86	21.79	2.13	54.10	1.84	46.84	1.33	33.83	0.35	8.89	0.50	12.70
	139		0.86	21.79	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.50	12.70

## **Environmental EMI / RFI Backshell**

**Connector Group - J** 

Straight

					1	ABLE -	- A							
NU	L PART UMBER IGNATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	В (	MAX)	C (I	REF)	G (I	MAX)			RANG	
SHELL	DASH NO		INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	IIN MM	INCH	MM
	17		0.98	24.99	2.13	54.10	1.84	46.84	1.33	33.83	0.35	8.89	0.58	14.61
	18		0.98	24.99	3.13	79,50	1.84	46.84	1,33	33.83	0.35	8.89	0.58	14.61
	19*		0.98	24.99	2.88	73.15	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
14	20*	12/14	0.98	24.99	3.88	98.55	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	116		0.98	24.99	2.13	54.10	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	117 150		0.98	24.99	2.13	79.50 54.10	1.54 1.54	39.22	1.15 0.96	29.08	0.25	6.35 3.18	0.44	11.10 7.92
	151		0.98	24.99	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	21		1.11	28.24	2.13	54.10	1.92	48.67	1.55	39.40	0.50	12.70	0.70	17.78
	22		1.11	28.24	3.13	79.50	1.92	48.67	1.55	39.40	0.50	12.70	0.70	17.78
	23*		1.11	28.24	2.88	73.15	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	24*	-	1.11	28.24	3.88	98.55	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
16	112 113	19/16	1.11	28.24 28.24	2.13	54.10 79.50	1.54	39.22 39.22	1.15	29.08	0.25	6.35 6.35	0.44	11.10 11.10
	118		1.11	28.24	2.13	54.10	1.84	46.84	1.13	33.83	0.25	8.89	0.44	15.88
	119		1.11	28.24	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
	152	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
	153		1.11	28.24	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	25		1.22	30.94	2.13	54.10	1.84	46.84	1,33	33.83	0.35	8.89	0.63	15.88
	26		1.22	30.94	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
	27		1.22	30.94	2.13	54.10	1.92	48.67 48.67	1.55	39.40	0.50	12.70	0.75	19.05
	28 29*		1.22	30.94	3.13 2.88	79.50 73.15	1.92 2.00	50.80	1.55 1.77	39.40 44.96	0.50	12.70 15.88	0.75	19.05 23.80
18	30*	27/18	1.22	30.94	3.88	98.55	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	120		1.22	30.94	2.13	54.10	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	121		1.22	30.94	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	122		1.22	30.94	2.13	54.10	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	123		1.22	30.94	3.13	79.50	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	31 32		1.35	34.16	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88 15.88
	33		1.35 1.35	34.16 34.16	4.13 3.13	104.90 79.50	1.92	46.84 48.67	1.55	33.83	0.35	8.89 12.70	0.63	19.05
	34		1.35	34.16	4.13	104.90	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	35*		1.35	34.16	3.88	98.55	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
20	36*	37/20	1.35	34.16	4.88	123.95	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
20	37*	37720	1.35	34.16	3.88	98.55	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	38*	-	1.35	34.16	4.88	123.95	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	124 125	-	1.35	34.16 34.16	3.13	79.50 104.90	1.54	39.22	1.15	29.08	0.25	6.35 6.35	0.44	11.10
	140	1	1.35	34.16	3.13	79.50	2.00	50.80	1.15	44.96	0.25	15.88	0.44	22.96
	141	1	1.35	34.16	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.90	22.96
	39		1.47	37.29	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
	40		1.47	37.29	4.13	104.90	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
	41		1.47	37.29	3.13	79.50	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	42	4	1.47	37.29	4.13	104.90	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	43 44	-	1.47	37.29 37.29	3.13 4.13	79.50 104.90	2.00	50.80	1.77 1.77	44.96 44.96	0.63	15.88 15.88	0.94	23.80
	45*		1.47	37.29	3.88	98.55	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
22	46*	- 22	1.47	37.29	4.88	123.95	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	126	]	1.47	37.29	3.13	79.50	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	127		1.47	37.29	4.13	104.90	1.54	39.22	0.96	24.31	0.13	3.18	0.31	7.92
	128	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
	129	-	1.47	37.29	4.13	104.90	1.54	39.22	1.15	29.08	0.25	6.35	0.44	11.10
	142 143	1	1.47	37.29 37.29	3.13 4.13	79.50 104.90	2.23	56.64 56.64	2.11	53.67 53.67	0.88	22.23	1.03	26.14 26.14
	1+0		1.47	07.23	7.10	104.80	2.20	30.04	2.11	30.07	0.00	22.20	1.00	20.14

## **Environmental EMI / RFI Backshell**

#### **Connector Group - J**

Straight

					-	TABLE -	- A							
N	IL PART UMBER SIGNATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	В (	MAX)	C (I	REF)	G (I	MAX)		CABLE	ERANG	E
SHELL	DASH NO		INCH	ММ	INCH	ММ	INCH	мм	INCH	мм	INCH	IIN MM	INCH	AX MM
	47		1.59	40.46	3.13	79.50	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	48		1.59	40.46	4.13	104.90	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	49		1.59	40.46	3.13	79.50	2.00	50.80	1.77	44.96	0.63	15.88	0.81	20.62
	50		1.59	40.46	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.81	20.62
	51		1.59	40.46	3.13	79.50	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
24	52 53*	- 24	1.59 1.59	40.46 40.46	4.13 3.88	104.90 98.55	2.00	50.80 56.64	1.77 2.11	44.96 53.67	0.63	15.88 22.23	0.94 1.25	23.80
	54*		1.59	40.46	4.88	123.95	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	130		1.59	40.46	3.13	79.50	1.84	46.84	1.33	33.83	0.35	8.89	0.63	15.88
	131		1.59	40.46	4.13	104.90	1.84	46.84	1,33	33.83	0.35	8.89	0.63	15.88
	144		1.59	40.46	3.13	79.50	2.23	56.64	2.11	53.67	0.88	22.23	1.14	29.06
	145		1.59	40.46	4.13	104.90	2.23	56.64	2.11	53.67	0.88	22.23	1.14	29.06
	55		1.97	50.01	3.13	79.50	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	56		1.97	50.01	4.13	104.90	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	57		1.97	50.01	3.13	79.50	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
28	58	28	1.97	50.01	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	59		1.97	50.01	3.13	79.50	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	60		1.97	50.01	4.13	104.90	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	61 62		1.97 1.97	50.01 50.01	3.13 4.13	79.50 104.90	2.02	51.41 51.41	23.63	600.20 60.02	1.00	25.40 25.40	1.38	34.93 34.93
	63		2.22	56.36	3.13	79.50	2.02	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	64		2.22	56.36	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
		-	2.22	56.36	3.13	79.50	2.23	56.64	2.11	53.67	0.88	22.23	12.50	317.50
	65 66		2.22	56.36	4.13	104.90	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
32	67	- 32	2.22	56.36	3.13	79.50	2.02	51.41	2.36	60.02	1.00	25.40	1.38	34.93
	68		2.22	56.36	4.13	104.90	2.02	51.41	2.36	60.02	1.00	25.40	1.38	34.93
	69		2.22	56.36	3.13	79.50	2.55	64.77	2.77	70.36	1.25	31.75	1.63	41.28
	70		2.22	56.36	4.13	104.90	2.55	64.77	2.77	70.36	1.25	31.75	1.63	41.28
	71		2.47	62.71	4.13	104.90	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	72		2.47	62.71	5.13	130.30	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	73		2.47	62.71	4.13	104.90	2.02	51.41	2.36	60.02	1.00	25.40	1.38	34.93
	74		2.47	62.71	5.13	130.30	2.02	51.41	2.36	60.02	1.00	25.40	1.38	34.93
	75		2.47	62.71	4.13	104.90	2.55	64.77	2.77	70.36	1.25	31.75	1.63	41.28
	76 77*		2.47	62.71 62.71	5.13 5.01	130.30 127.25	2.55	64.77 66.04	2.77 3.02	70.36 76.71	1.25	31.75 36.50	1.63 1.88	41.28 47.63
36	78*	36	2.47	62.71	6.01	152.65	2.60	66.04	3.02	76.71	1.44	36.50	1.88	47.63
	132	1	2.47	62.71	4.13	104.90	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	133	1	2.47	62.71	5.13	130.30	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	146	1	2.47	62.71	4.13	104.90	2.60	66.04	3.02	76.71	1.44	36.50	1.84	46.74
	147	]	2.47	62.71	5.13	130.30	2.60	66.04	3.02	76.71	1.44	36.50	1.84	46.74
	148	]	2.47	62.71	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	149		2.47	62.71	5.13	130.30	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	79	]	2.72	69.06	4.13	104.90	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	80	1	2.72	69.06	5.13	130.30	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	81		2.72	69.06	4.13	104.90	2.02	51.41	2.36	60.02	1.00	25,40	1.38	34.93
	82	-	2.72	69.06	5.13	130.30	2.02	51.41	2.36	60.02	1.00	25.40	1.38	34.93
	83	-	2.72	69.06	4.13	104.90	2.55	64.77	2.77	70.36	1.25	31.75	1.63	41.28
40	84 85	40	2.72 2.72	69.06 69.06	5.13 4.13	130.30 104.90	2.55	64.77 66.04	2.77 3.02	70.36 76.71	1.25	31.75 36.50	1.63 1.88	41.28 47.63
	86	1	2.72	69.06	5.13	130.30	2.60	66.04	3.02	76.71	1.44	36.50	1.88	47.63
	134	1	2.72	69.06	4.13	104.90	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	135	1	2.72	69.06	5.13	130.30	1.92	48.67	1.55	39.40	0.50	12.70	0.75	19.05
	156	1	2.72	69.06	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	157	1	2.72	69.06	5.13	130.30	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
				22.00										

## **Environmental EMI / RFI Backshell**

**Connector Group - J** 

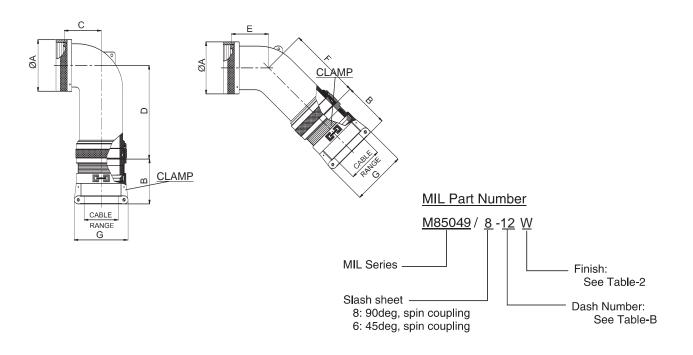
Straight

					-	TABLE -	- A							
N	IL PART UMBER SIGNATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	В(	MAX)	C (I	REF)	G (I	VIAX)		CABLE	RANG	E
SHELL SIZE	DASH NO		INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	IN MM	INCH	MM
	87		2.97	75.41	4.13	104.90	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	88		2.97	75.41	5.13	130.30	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	89		2.97	75.41	4.13	104.90	2.02	51.41	2.36	60.02	1.00	25.40	1.38	34.93
	90		2.97	75.41	5.13	130.30	2.02	51.41	2.36	60.02	1.00	25.40	1.38	34.93
44	91	44	2.97	75.41	4.13	104.90	2.55	64.77	2.77	70.36	1.25	31.75	1.63	41.28
	92	44	2.97	75.41	5.13	130.30	2.55	64.77	2.77	70.36	1.25	31.75	1.63	41.28
	93		2.97	75.41	4.13	104.90	2.60	66.04	3.02	76.71	1.44	36.50	1.88	47.63
	94		2.97	75.41	5.13	130.30	2.60	66.04	3.02	76.71	1.44	36.50	1.88	47.63
	154		2.97	75.41	4.13	104.90	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	155		2.97	75.41	5.13	130.30	2.00	50.80	1.77	44.96	0.63	15.88	0.94	23.80
	95		3.22	81.76	4.13	104.90	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	96		3.22	81.76	5.13	130.30	2.23	56.64	2.11	53.67	0.88	22.23	1.25	31.75
	97		3.22	81.76	4.13	104.90	2.02	51.41	2.36	60.02	1.00	25.40	1.38	34.93
48	98	48	3.22	81.76	5.13	130.30	2.02	51.41	2.36	60.02	1.00	25.40	1.38	34.93
70	99	] -70	3.22	81.76	4.13	104.90	2.55	64.77	2.77	70.36	1.25	31.75	1.63	41.28
	100		3.22	81.76	5.13	130.30	2.55	64.77	2.77	70.36	1.25	31.75	1.63	41.28
	101	]	3.22	81.76	4.13	104.90	2.60	66.04	3.02	76.71	1.44	36.50	1.88	47.63
	102		3.22	81.76	5.13	130.30	2.60	66.04	3.02	76.71	1.44	36.50	1.88	47.63

<sup>(\*) ----</sup> DENOTES STYLE 2

#### **Connector Group - J**

90°, 45°



NOTE: \* For more cable entry options, contact factory

				TABL	E - B									
NUM	PART IBER NATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	B (F	REF)	C (I	/IAX)	D (N	ЛАХ)	E (N	IAX)	F (N	/IAX)
SHELL SIZE	DASH NO	SHELL SIZE	INCH	мм	INCH	ММ	INCH	ММ	INCH	мм	INCH	ММ	INCH	мм
08	3	8	0.62	15.67	1.54	39.22	0.67	17.02	1.26	32.00	0.63	16.00	1.25	31.75
	4		0.73	18.64	1.54	39.22	0.76	19.30	1.98	50.29	0.69	17.53	1.92	48.77
10	49*	10	0.73	18.64	1.54	39.22	1.52	38.61	2.00	50.80	1.50	38.10	1.98	50.29
	5		0.73	18.64	1.54	39.22	0.76	19.30	1.38	35.05	0.69	17.53	1.31	33.27
	6		0.86	21.79	1.54	39.22	0.77	19.56	2.00	50.80	0.75	19.05	1.98	50.29
12	71*	7/10	0.86	21.79	1.84	46.84	1.81	45.97	2.16	54.86	1.65	41.91	2.18	55.37
12	7	//12	0.86	21.79	1.54	39.22	0.77	19.56	2.00	50.80	0.75	19.05	1.98	50.29
	8		0.86	21.79	1.84	46.84	0.77	19.56	1.40	35.56	0.75	19.05	1.98	50.29
	9		0.98	24.99	1.54	39.22	0.87	22.10	2.07	52,58	0.81	20.57	2.07	52.58
14	10	12/14	0.98	24.99	1.84	46.84	0.87	22.10	1.72	43.69	0.81	20.57	1.72	43.69
'-	50*	12/14	0.98	24.99	1.92	48.67	1.89	48.01	2.33	59.18	1.84	46.74	2.37	60.20
	74		0.98	24.99	1.54	39.22	0.87	22.10	2.07	52.58	0.81	20.57	2.07	52.58
	11		1.11	28.24	1.54	39.22	1.05	26.67	2.16	54.86	0.91	23.11	2.18	55.37
	12		1.11	28.24	1.92	48.67	1.05	26.67	1.81	45.97	0.91	23.11	1.82	46.23
16	40	19/16	1.11	28.24	1.84	46.84	1.05	26.67	2.16	54.86	0.91	23.11	2.18	55.37
	51*		1.11	28.24	2.00	50.80	2.04	51.82	2.44	61.98	1.94	49.28	2.52	64.01
	75		1.11	28.24	1.54	39.22	1.05	26.67	2.16	54.86	0.91	23.11	2.18	55.37
	13		1.22	30.94	1.84	46.84	1.14	28.96	2.33	59.18	1.09	27.69	2.37	60.20
	14		1.22	30.94	2.00	50.80	1.14	28.96	1.98	50.29	1.09	27.69	2.00	50.80
18	41	27/18	1.22	30.94	1.54	39.22	1.14	28.96	2.33	59.18	1.09	27.69	2.37	60.20
'6	42	27/10	1.22	30.94	1.54	39.22	1.14	28.96	2.33	59.18	1.09	27.69	2.37	60.20
	52		1.22	30.94	1.92	48.67	1.14	28.96	2.33	59.18	1.09	27.69	2.37	60.20
	72*		1.22	30.94	2.00	50.80	2.05	52.07	2.44	61.98	1.94	49.28	2.52	64.01

### **Environmental EMI / RFI Backshell**

**Connector Group - J** 

90°, 45°

				-	TABLE	- B								
NUI	PART MBER GNATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)		REF)	C (I	/IAX)	D (N	/IAX)	E (N	IAX)	F (N	IAX)
SHELL SIZE	DASH NO		INCH	ММ	INCH	MM	INCH	мм	INCH	ММ	INCH	ММ	INCH	мм
	15		1.35	34.16	1.84	46.84	1.14	28.96	2.33	59.18	1.09	27.69	2.37	60.20
			1.35	34.16	2.00	50.80	1.14	28.96	1.98	50.29	1.09	27.69	2.00	50.80
20	43	37/20	1.35	34.16	1.54	39.22	1.14	28.96	2.33	59.18	1.09	27.69	2.37	60.20
		1	1.35	34.16	1.92	48.67	1.14	28.96	2.33	59.18	1.09	27.69	2.37	60.20
	55		1.35	34.16	2.23	56.64	2.14	54.36	2.61	66.29	2.06	52.32	2.57	65.28
			1.47	37.29	1.92	48.72	1.29	32.77	2.44	61.98	1.19	30.23	2.52	64.01
	18	-	1.47	37.29	2.23	56.64	1.29	32.77	2.09	53.09	1.19	30.23	2.16	54.86
			1.47	37.29	1.54	39.22	1.29	32.77	2.44	61.98	1.19	30.23	2.52	64.01
22	45	22	1.47	37.29	1.54	39.22	1.29	32.77	2.44	61.98	1.19	30.23	2.52	64.01
	F-7		1.47	37.29	1.84	46.84	1.29	32.77	2.44	61.98	1.19	30.23	2.52	64.01
	57	-	1.47	37.29	2.00	50.80	1.29	32.77	2.44	61.98	1.19	30.23	2.52	64.01
	19		1.47	37.29 40.46	2.23 1.92	56.64 48.67	2.14 1.29	54.36 32.77	2.61	66.29 61.98	2.06	52.32 30.23	2.57	65.28 64.01
	19		1.59	40.46	2.23	56.64	1.29	32.77	2.44	53.09	1.19	30.23	2.16	54.86
24	46	24	1.59	40.46	1.84	46.84	1.29	32.77	2.09	61.98	1.19	30.23	2.52	64.01
24	40	- 24	1.59	40.46	2.00	50.80	1.29	32.77	2.44	61.98	1.19	30.23	2.52	64.01
	73*	+	1.59	40.46	2.23	56.64	2.15	54.61	2.44	66.29	2.06	52.32	2.57	65.28
	73		1.97	50.01	2.00	50.80	1.39	35.31	2.61	66.29	1.31	33.27	2.57	65.28
	22	-	1.97	50.01	2.02	51.41	1.39	35.31	2.26	57.40	1.31	33.27	2.22	56.39
28	22	28	1.97	50.01	1.92	48.67	1.39	35.31	2.61	66.29	1.31	33.27	2.57	65.28
	61	1	1.97	50.01	2.23	56.64	1.39	35.31	2.61	66.29	1.31	33.27	2.57	65.28
	01		2.22	56.36	2.00	50.80	1.74	44.20	2.86	72.64	1.38	35.05	2.67	67.82
ŀ	24	1	2.22	56.36	2.23	56.64	1.74	44.20	2.86	72.64	1.38	35.05	2.67	67.82
32		32	2.22	56.36	2.55	64.77	1.74	44.20	2.51	63.75	1.38	35.05	2.32	58.93
ŀ	62	†	2.22	56.36	2.02	51.41	1.74	44.20	2.86	72.64	1.38	35.05	2.67	67.82
			2.47	62.71	2.00	50.80	1.94	49.28	2.83	71.88	1.41	35.81	2.76	70.10
	27	1	2.47	62.71	2.02	51.41	1.94	49.28	2.83	71.88	1.41	35.81	2.76	70.10
		1	2.47	62.71	2.60	66.04	1.94	49.28	2.48	62.99	1.41	35.81	2.41	61.21
36	47	36	2.47	62.71	1.92	48.67	1.94	49.28	2.83	71.88	1.41	35.81	2.76	70.10
		1	2.47	62.71	2.23	56.64	1.94	49.28	2.83	71.88	1.41	35.81	2.76	70.10
	64		2.47	62.71	2.55	64.77	1.94	49.28	2.83	71.88	1.41	35.81	2.76	70.10
			2.72	69.06	2.00	50.80	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
	30	]	2.72	69.06	2.02	51.41	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
40		40	2.72	69.06	2.60	66.04	2.69	68.33	2.48	62.99	2.16	54.86	2.41	61.21
40	48	] 40	2.72	69.06	1.92	48.67	1.94	49.28	2.83	71.88	2.16	54.86	2.76	70.10
			2.72	69.06	2.23	56.64	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
	66		2.72	69.06	2.55	64.77	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
			2.97	75.41	2.00	50.80	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
[	33		2.97	75.41	2.02	51.41	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
44		44	2.97	75.41	2.60	66.04	2.69	68.33	2.48	62.99	2.16	54.86	2.41	61.21
	67	1	2.97	75.41	2.23	56.64	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
			2.97	75.41	2.55	64.77	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
	35	1	3.22	81.76	2.00	50.80	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
			3.22	81.76	2.02	51.41	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
48	37	48	3.22	81.76	2.60	66.04	2.69	68.33	2.48	62.99	2.16	54.86	2.41	61.21
		-	3.22	81.76	2.23	56.64	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10
	70		3.22	81.76	2.55	64.77	2.69	68.33	2.83	71.88	2.16	54.86	2.76	70.10

(\*)---- DENOTES STYLE 2

#### **Connector Group - J**

90°, 45°

		TABLE	- B					
MIL F NUM DESIGN		CONNECTOR SHELL SIZE	G (M	IAX)		CABLE	RANGI	<b>=</b>
SHELL SIZE	DASH NO	SHELL SIZE				IN	M	AX
STILLE SIZE	DASITIVO		INCH	MM	INCH	MM	INCH	MM
80	3	8	0.96	24.31	0.13	3.18	0.25	6.35
	4		0.96	24.31	0.13	3.18	0.31	7.92
10	49*	10	1.15	29.08	0.25	6.35	0.44	11.10
	5		1.15	29.08	0.25	6.35	0.38	9.53
	6		0.96	24.31	0.13	3.18	0.31	7.92
12	71*	7/12	1.33	33.83	0.35	8.89	0.63	15.88
'-	7	1=	1.15	29.08	0.25	6.35	0.44	11.10
	8		1.33	33.83	0.35	8.89	0.50	12.70
	9		1.15	29.08	0.25	6.35	0.44	11.10
14	10	12/14	1.33	33.83	0.35	8.89	0.58	14.61
	50*	1	1.55	39.40	0.50	12.70	0.75	19.05
	74		0.96	24.31	0.13	3.18	0.31	7.92
	11		1.15	29.08	0.25	6.35	0.44	11.10
	12		1.55	39.40	0.50	12.70	0.70	17.78
16	40	19/16	1.33	33.83	0.35	8.89	0.63	15.88
	51*		1.77	44.96	0.63	15.88	0.94	23.80
	75		0.96	24.31	0.13	3.18	0.31	7.92
	13		1.33	33.83	0.35	8.89	0.63	15.88
	14		1.77	44.96	0.63	15.88	0.78	19.79
18	41	27/18	0.96	24.31	0.13	3.18	0.31	7.92
10	42	] 27710	1.15	29.08	0.25	6.35	0.44	11.10
	52		1.55	39.40	0.50	12.70	0.75	19.05
	72*		1.77	44.96	0.63	15.88	0.94	23.80
	15	]	1.33	33.83	0.35	8.89	0.63	15.88
	16		1.77	44.96	0.63	15.88	0.90	22.96
20	43	37/20	1.15	29.08	0.25	6.35	0.44	11.10
	54		1.55	39.40	0.50	12.70	0.75	19.05
	55		2.11	53.67	0.88	22.23	1.25	31.75
	17		1.55	39.40	0.50	12.70	0.75	19.05
	18		2.11	53.67	0.88	22.23	1.03	26.14
	44		0.96	24.31	0.13	3.18	0.31	7.92
22	45	22	1.15	29.08	0.25	6.35	0.44	11.10
	56		1.33	33.83	0.35	8.89	0.63	15.88
	57	]	1.77	44.96	0.63	15.88	0.94	23.80
	58*	<u> </u>	2.11	53.67	0.88	22.23	1.25	31.75
	19		1.55	39.40	0.50	12.70	0.75	19.05
	20	]	2.11	53.67	0.88	22.23	1.14	29.06
24	46	24	1.33	33.83	0.35	8.89	0.63	15.88
	59	1	1.77	44.96	0.63	15.88	0.94	23.80
	73*	1	2.12	53.75	0.88	22.23	1.25	31.75
	21		1.77	44.96	0.63	15.88	0.94	23.80
00	22	1 🚓	2.36	60.02	1.00	25.40	1.38	34.93
28	60	28	1.55	39.40	0.50	12.70	0.75	19.05
	61	1	2.11	53.67	0.88	22.23	1.25	31.75
	23		1.77	44.96	0.63	15.88	0.94	23.80
	24	1	2.11	53.67	0.88	22.23	1.25	31.75
32	25	32	2.77	70.36	1.25	31.75	1.63	41.28
	62	1	2.36	60.02	1.00	25.40	1.38	34.93
	J-2			00.02	1.00	20.70	1.00	0 1.00

**Table Continued** 

### **Environmental EMI / RFI Backshell**

**Connector Group - J** 

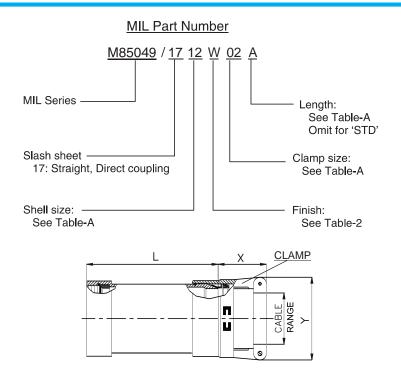
90°, 45°

		TABLE	- B					
NU	PART MBER GNATOR	CONNECTOR SHELL SIZE	G (N	IAX)	(	CABLE	RANGE	Ē
SHELL SIZE	DASH NO	SHELL SIZE			М	IN	M	AX
OTTLLE SIZE	DAOITIO		INCH	MM	INCH	MM	INCH	MM
	26		1.77	44.96	0.63	15.88	0.94	23.80
	27		2.36	60.02	1.00	25.40	1.38	34.93
36	28	36	3.02	76.71	1.44	36.50	1.84	46.74
30	47	] 30	1.55	39.40	0.50	12.70	0.75	19.05
	63		2.11	53.67	0.88	22.23	1.25	31.75
	64		2.77	70.36	1.25	31.75	1.63	41.28
	29		1.77	44.96	0.63	15.88	0.94	23.80
	30		2.36	60.02	1.00	25.40	1.38	34.93
40	31	40	3.02	76.71	1.44	36.50	1.88	47.63
40	48	] 40	1.55	39.40	0.50	12.70	0.75	19.05
	65		2.11	53.67	0.88	22.23	1.25	31.75
	66		2.77	70.36	1.25	31.75	1.63	41.28
	32		1.77	44.96	0.63	15.88	0.94	23.80
	33		2.36	60.02	1.00	25.40	1.38	34.93
44	34	44	3.02	76.71	1.44	36.50	1.88	47.63
	67		2.11	53.67	0.88	22.23	1.25	31.75
	68		2.77	70.36	1.25	31.75	1.63	41.28
	35		1.77	44.96	0.63	15.88	0.94	23.80
	36	]	2.36	60.02	1.00	25.40	1.38	34.93
48	37	48	3.02	76.71	1.44	36.50	1.88	47.63
	69		2.11	53.67	0.88	22.23	1.25	31.75
	70		2.77	70.36	1.25	31.75	1.63	41.28

<sup>(\*)----</sup> DENOTES STYLE 2

#### **Connector Group - K**

**Straight** 



NOTE: \* For more cable entry and length options, contact factory

				Т	ABLE	- A							
MIL PART NU DESIGNA		CONNECTOR SHELL SIZE			CABLE	RANGI	<u> </u>	L (I	ЛАХ)	X (N	/IAX)	Y (N	/IAX)
ACCESSORY	CLAMP	SE - II / I		М	IN	M	AX						
SHELL SIZE	SIZE		LENGTH	INCH	мм	INCH	мм	INCH	ММ	INCH	мм	INCH	мм
08	01	8/9	STD.	0.06	1.57	0.13	3.18	1.53 2.53	38.86 64.26	1.25	31.75	0.78	19.81
06	02	0/9	STD. A	0.13	3.18	0.25	6.35	1.53 2.53	38.86 64.26	1.25	31.75	0.97	24.64
	01		STD. A	0.06	1.57	0.13	3.18	1.53 2.53	38.86 64.26	1.25	31.75	0.78	19.81
10	02	10 / 11	STD.	0.13	3.18	0.25	6.35	1.53 2.53	38.86 64.26	1.25	31.75	0.97	24.64
	03		STD.	0.25	6.35	0.38	9.53	1.53 2.53	38.86 64.26	1.25	31.75	1.06	26.92
	02		STD.	0.13	3.18	0.25	6.35	1.53 2.53	38.86 64.26	1.25	31.75	0.97	24.64
12	03	12 / 13	STD.	0.25	6.35	0.38	9.53	1.53 2.53	38.86 64.26	1.25	31.75	1.06	26.92
	04		STD.	0.38	9.53	0.50	12.70	1.53 2.53	38.86 64.26	1.25	31.75	1.16	29.46
	02		STD. A B	0.13	3.18	0.25	6.35	1.53 2.53 3.53	38.86 64.26 89.66	1,25	31.75	0.97	24.64
44	03	44/45	STD. A B	0.25	6.35	0.38	9.53	1.53 2.53 3.53	38.86 64.26 89.66	1.25	31.75	1.06	26.92
14	04	14 / 15	STD. A B	0.38	9.53	0.50	12.70	1.53 2.53 3.53	38.86 64.26 89.66	1.25	31.75	1.16	29.46
	05		STD. A B	0.50	12.70	0.63	15.88	1.53 2.53 3.53	38.86 64.26 89.66	1.31	33.27	1.25	31.75

## **Environmental EMI / RFI Backshell**

**Connector Group - K** 

Straight

				Т	ABLE	- A							
MIL PART NU DESIGNA		CONNECTOR SHELL SIZE			CABLE	RANGE	Ē	L (I	MAX)	X (N	IAX)	Y (N	IAX)
ACCESSORY	CLAMP	SE - II / I		M	IN	M	AX						
SHELL SIZE	SIZE		LENGTH	INCH	ММ	INCH	ММ	INCH	ММ	INCH	мм	INCH	ММ
	02		STD. A B	0.13	3.18	0.25	6.35	1.53 2.53 3.53	38.86 64.26 89.66	1.25	31.75	0.97	24.64
	03		STD. A B	0.25	6.35	0.38	9.53	1.53 2.53 3.53	38.86 64.26 89.66	1.25	31.75	1.06	26.92
16	04	16 / 17	STD. A B	0.38	9.53	0.50	12.70	1.53 2.53 3.53	38.86 64.26 89.66	1.25	31.75	1.16	29.46
	05		STD. A B	0.50	12.70	0.63	15.88	1.53 2.53 3.53	38.86 64.26 89.66	1.31	33.27	1.25	31.75
	06		STD. A B	0.63	15.88	0.75	19.05	1.53 2.53 3.53	38.86 64.26 89.66	1.38	35.05	1.38	35.05
	03		STD. A B	0.25	6.35	0.38	9.53	1.53 2.53 3.53	38.86 64.26 89.66	1.25	31.75	1.06	26.92
	04		STD. A B	0.38	9.53	0.50	12.70	1.53 2.53 3.53	38.86 64.26 89.66	1.25	31.75	1.16	29.46
18	05	18 / 19	STD. A B	0.50	12.70	0.63	15.88	1.53 2.53 3.53	38.86 64.26 89.66	1.31	33.27	1.25	31.75
	06		STD. A B	0.63	15.88	0.75	19.05	1.53 2.53 3.53	38.86 64.26 89.66	1.38	35.05	1.38	35.05
	07		STD. A B	0.75	19.05	0.88	22.23	1.53 2.53 3.53	38.86 64.26 89.66	1.50	38.10	1.50	38.10
	03		STD. A B C	0.25	6.35	0.38	9.53	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.25	31.75	1.06	26.92
	04		STD. A B C	0.38	9.53	0.50	12.70	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.25	31.75	1.16	29.46
22	05	00 / 04	STD. A B C	0.50	12.70	0.63	15.88	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.31	33.27	1.25	31.75
20	06	20 / 21	STD. A B C	0.63	15.88	0.75	19.05	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.38	35.05	1.38	35.05
	07		STD. A B C	0.75	19.05	0.88	22.23	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.50	38.10	1.50	38.10
	08		STD. A B C	0.88	22.23	1.00	25.40	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.63	41.40	1.63	41.40



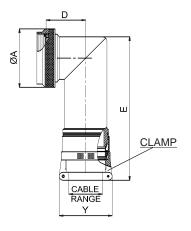
#### **Connector Group - K**

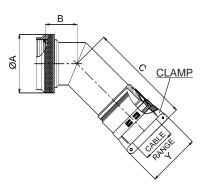
Straight

				T	ABLE	- A							
MIL PART NU DESIGNA		CONNECTOR SHELL SIZE			CABLE	RANG	<b>E</b>	L (I	ИАХ)	X (N	/IAX)	Y (N	/IAX)
ACCESSORY	CLAMP	SE - II / I		M	IN	M	ΑX						
SHELL SIZE	SIZE		LENGTH	INCH	ММ	INCH	ММ	INCH	ММ	INCH	мм	INCH	мм
	03		STD. A B C	0.25	6.35	0.38	9.53	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.25	31.75	1.06	26.92
22	04	22 /23	STD. A B C	0.38	9.53	0.50	12.70	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.25	31.75	1.16	29.46
<i></i>	05	22720	STD. A B C	0.50	12.70	0.63	15.88	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.31	33.27	1.25	31.75
	06		STD. A B C	0.63	15.88	0.75	19.05	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.38	35.05	1.38	35.05
	07		STD. A B C	0.75	19.05	0.88	22.23	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.50	38.10	1.50	38.10
22	08	22 /23	STD. A B C	0.88	22.23	1.00	25.40	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.63	41.40	1.63	41.40
	09		STD. A B C	1.00	25.40	1.13	28.58	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.63	41.40	1.75	44.45
	04		STD. A B C	0.38	9.53	0.50	12.70	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.25	31.75	1.16	29.46
	05		STD. A B C	0.50	12.70	0.63	15.88	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.31	33.27	1.25	31.75
	06		STD. A B C	0.63	15.88	0.75	19.05	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.38	35.05	1.38	35.05
24	07	24 / 25	STD. A B C	0.75	19.05	0.88	22.23	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.50	38.10	1.50	38.10
	08		STD. A B C	0.88	22.23	1.00	25.40	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.63	41.40	1.63	41.40
	09		STD. A B C	1.00	25.40	1.13	28.58	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.63	41.40	1.75	44.45
	10		STD. A B C	1.13	28.58	1.25	31.75	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.63	41.40	1.88	47.75

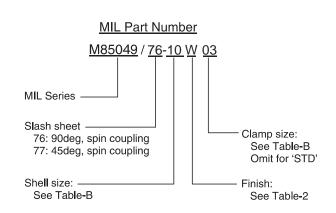
**Connector Group - K** 

90°, 45°





**Amphenol Backshells** 



NOTE: \* For more cable entry options, contact factory

						TAB	LE - E	3										
MIL PART N DESIGNA		CONNECTOR	(	CABLE	RANGE		A DIA.	(MAX)	В (М	IAX)	C (N	IAX)	D (N	IAX)	E (N	ЛАХ)	Y (N	IAX)
ACCESSORY	CLAMP	SHELL SIZE	M	IN	M	AX												
SHELL SIZE	SIZE	SE - II/I	INCH	ММ	INCH	мм	INCH	мм	INCH	ММ	INCH	ММ	INCH	мм	INCH	мм	INCH	мм
00	01	0/0	0.06	1.57	0.13	3.18	0.75	10.05	0.40	11.00	0.15	00.01	0.69	17.50	0.40	87.88	0.80	20.32
80	02	8/9	0.13	3.18	0.25	6.35	0.75	19.05	0.46	11.68	3.15	80.01	0.69	17.53	3.46	87.88	1.00	25.40
	01		0.06	1.57	0.13	3.18											0.80	20.32
10	02	10 / 11	0.13	3.18	0.25	6.35	0.85	21.59	0.52	13.21	3.21	81.53	0.78	19.81	3.58	90.93	1.00	25.40
	03		0.25	6.35	0.38	9.53											1.10	27.94
40	02	40 / 40	0.13	3.18 6.35	0.25	6.35 9.53	4.00	05.40	0.50	4470	0.07	00.00	0.00	00.00	0.00	04.44	1.00	25.40 27.94
12	03	12 / 13	0.23	9.53	0.50	12.70	1.00	25.40	0.58	14.73	3.27	83.06	0.80	20.32	3.60	91.44	1.10	30.48
	02		0.36	3.18	0.50	6.35											1.00	25.40
	03		0.13	6.35	0.23	9.53											1.10	27.94
14	03	14 / 15					1.15	29.21	0.65	16.51	3.36	85.34	0.88	22.35	3.67	93.22		
	05		0.38	9.53	0.50	12.70 15.88	-										1.20	30.48
	05		0.50	12.70 3.18	0.63	6.35											1.25	25.40
	02		0.13	6.35	0.25	9.53	-										1.10	27.94
10	03	16 / 17	0.25	9.53	0.50	12.70	1.25	31.75	0.74	18.80	3.47	88.14	0.93	23.62	3.76	95.50		30.48
16		16/1/					1.25	31./5	0.74	18.80	3.47	88.14	0.93	23.62	3.76	95.50	1.20	
	05		0.50	12.70	0.63	15.88											1.25	31.75
	06		0.63	15.88	0.75	19.05											1.40	35.56
	03 04		0.25	6.35 9.53	0.38	9.53	-										1.10	27.94 30.48
18	05	18 / 19	0.50	12.70	0.63	15.88	1.40	35.56	0.93	23.62	3,66	92.96	1,01	25,65	3.93	99.82	1.25	31.75
18	06	10/19	0.63	15.88	0.03	19.05	1.40	35.56	0.93	23.62	3,00	92.90	1.01	20,00	3.93	99.82	1.40	35.56
	07		0.75	19.05	0.73	22.23											1.50	38.10
	07	i l	0.75	19.05	0.00	1 44.43	1	1 1			1	l		I	I	1	1.50	J 30.10



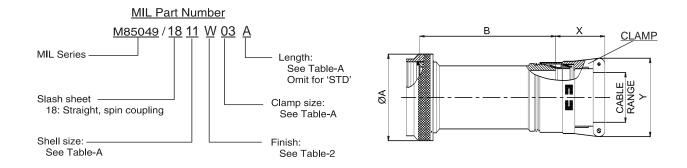
**Connector Group - K** 

90°, 45°

							TAB	LE - I	В									
MIL PART N DESIGNA		CONNECTOR	(	CABLE	RANGE	!	A DIA.	(MAX)	В (М	IAX)	C (N	IAX)	D (N	IAX)	E (N	IAX)	Y (N	IAX)
ACCESSORY	CLAMP	SHELL SIZE	MI	N	M	AX												
SHELL SIZE	SIZE	SE – II / I	INCH	мм	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
	03		0.25	6.35	0.38	9.53											1.10	27.94
	04		0.38	9.53	0.50	12.70											1.20	30.48
20	05	20 / 21	0.50	12.70	0.63	15.88	1.55	39.37	0.93	23.62	3.66	92.96	1.06	26.92	3.93	99.82	1.25	31.75
	06 07		0.63	15.88 19.05	0.75	19.05											1.40	35.56 38.10
	08		0.73	22.23	1.00	25.40											1.65	41.91
	03		0.25	6.35	0.38	9.53											1.10	27.94
	04		0.38	9.53	0.50	12.70											1.20	30.48
	05		0.50	12.70	0.63	15.88											1.25	31.75
22	06	22 /23	0.63	15.88	0.75	19.05	1.65	41.91	1.02	25.91	3.81	96.77	1.17	29.72	4.04	102.62	1.40	35.56
	07		0.75	19.05	0.88	22.23											1.50	38.10
	08		0.88	22.23	1.00	25.40											1.65	41.91
	19		1.00	25.40	1.13	28.58											1.75	44.45
	04		0.38	9.53	0.50	12.70											1.20	30.48
	05		0.50	12.70	0.63	15.88											1.25	31.75
	06		0.63	15.88	0.75	19.05											1.40	35.56
24	07	24 / 25	0.75	19.05	0.88	22.23	1.85	46.99	1.02	25.91	3.81	96.77	1.18	29.97	4.04	102.62	1.50	38.10
	08		0.88	22.23	1.00	25.40											1.65	41.91
	09		1.00	25.40	1.13	28.58											1.75	44.45
	10		1.13	28.58	1.25	31.75											1.90	48.26

**Connector Group - L** 

**Straight** 



NOTE: \* For more cable entry and length options, contact factory

					T	ABLE	- A								
	RT NUMBI GNATOR		CONNECTOR			RANGE		A DIA.	(MAX)	В (І	VIAX)	X (N	IAX)	Y (N	ЛАХ)
CONNECTOR		LENGTH	SHELL SIZE/CODE	М	IN	M.	ΑX								
SHELL SIZE	SIZE		(REF.)	INCH	MM	INCH	ММ	INCH	MM	INCH	MM	INCH	MM	INCH	MM
	01	STD.		0.06	1.57	0.13	3.18			1.53 2.53	38.86 64.26	1.25	31.75	0.80	20.32
9	02	STD.	09 / A	0.13	3.18	0.25	6.35	0.75	19.05	1.53	38.86	1.25	31.75	1.00	25.40
	02	A		0.13	3.10	0.23	0.00			2.53	64.26	1.23	31.73	1.00	23.40
	01	STD.		0.06	1.57	0.13	3.18			1.53 2.53	38.86 64.26	1.25	31.75	0.80	20.32
11	02	STD.	11 / B	0.13	3.18	0.25	6.35	0.85	21.59	1.53	38.86	1.25	31.75	1.00	25.40
	02	A STD.	117.5	0.10	0.10	0.20	0.00	0.00	21.00	2.53	64.26	1.23	01.75	1.00	20.40
	03	A A		0.25	6.35	0.38	9.53			2.53	38.86 64.26	1.25	31.75	1.10	27.94
	02	STD.		0.13	3.18	0.25	6.35			1.53	38.86	1.25	31.75	1.00	25.40
	- 02	A		0.10	0.10	0.20	0.00			2.53	64.26	1.20	01.70	1.00	20.40
13	03	STD.	13 / C	0.25	6.35	0.38	9.53	1.00	25.40	1.53 2.53	38.86 64.26	1.25	31.75	1.10	27.94
	04	STD.		0.38	9.53	0.50	12.70	1		1.53	38.86	1.25	31.75	1.20	30.48
	01	A STD.		0.00	0.00	0.00	12.70			2.53	64.26 38.86	1.20	01.70	1.20	00.10
	02	A A		0.13	3.18	0.25	6.35			2.53	64.26	1.25	31.75	1.00	25.40
		В								3.53	89.66				
	03	STD.		0.25	6.35	0.38	9.53			1.53 2.53	38.86 64.26	1.25	31.75	1.10	27.94
45	03	В	45/5	0.23	0.33	0.30	9.55		00.04	3.53	89.66	1.25	31.73	1.10	27.54
15		STD.	15 / D					1.15	29.21	1.53	38.86				
	04	A B		0.38	9.53	0.50	12.70			2.53	64.26 89.66	1.25	31.75	1.20	30.48
		STD.						i		1.53	38.86				
	05	Α		0.50	12.70	0.63	15.88			2.53	64.26	1.31	33.27	1.25	31.75
		B STD.								3.53 1.53	89.66 38.86				
	02	A A		0.13	3.18	0.25	6.35			2.53	64.26	1.25	31.75	1.00	25.40
		В								3.53	89.66				
	03	STD.		0.25	6.35	0.38	9.53			1.53	38.86 64.26	1.25	31.75	1.10	27.94
	03	В		0.23	0.33	0.36	5.55			3.53	89.66	1.23	31.73	1.10	27.54
		STD.						1		1.53	38.86				
17	04	A B	17 / E	0.38	9.53	0.50	12.70	1.25	31.75	2.53	64.26 89.66	1.25	31.75	1.20	30.48
		STD.						l		1.53	38.86				
	05	Α		0.50	12.70	0.63	15.88			2.53	64.26	1.31	33.27	1.25	31.75
		B STD.								3.53 1.53	89.66 38.86				
	06	A A		0.63	15.88	0.75	19.05			2.53	64.26	1.38	35.05	1.40	35.56
		В								3.53	89.66				

### **Environmental EMI / RFI Backshell**

#### **Connector Group - L**

Straight

			T	•	T/	ABLE	- A			•		ı			
	T NUMB GNATOR		CONNECTOR		CABLE			A DIA.	(MAX)	В (І	MAX)	X (N	IAX)	Y (IV	IAX)
CONNECTOR SHELL SIZE	CLAMP SIZE	LENGTH	SHELL SIZE/CODE (REF.)	INCH	MM	INCH	AX MM	INCH	мм	INCH	мм	INCH	мм	INCH	мм
	03	STD.	(REF.)	0.25	6.35	0.38	9.53	111011	101101	1.53	38.86 64.26	1.25	31.75	1.10	27.94
		B STD.		0.20	0.00	0.00				3.53 1.53	89.66 38.86		01170		
	04	A B		0.38	9.53	0.50	12.70			2.53 3.53	64.26 89.66	1.25	31.75	1.20	30.48
19	05	STD. A B	19 / F	0.50	12.70	0.63	15.88	1.40	35.56	1.53 2.53 3.53	38.86 64.26 89.66	1.31	33.27	1.25	31.75
	06	STD.		0.63	15.88	0.75	19.05			1.53	38.86 64.26	1.38	35.05	1.40	35.56
		B STD.		_						3.53 1.53	89.66 38.86				
	07	B STD.		0.75	19.05	0.88	22.23			2.53 3.53 1.53	64.26 89.66 38.86	1.50	38.10	1.50	38.10
	03	A B		0.25	6.35	0.38	9.53			2.53 3.53	64.26 89.66	1.25	31.75	1.10	27.94
		C STD.								4.53 1.53	115.06 38.86				
	04	A B C		0.38	9.53	0.50	12.70			2.53 3.53 4.53	64.26 89.66 115.06	1.25	31.75	1.20	30.48
	05	STD.		0.50	12.70	0.63	15.88			1.53	38.86 64.26	1.31	33.27	1.25	31.75
21		B C	21 / G	0.50	12.70	0.00	13.00	1.55	39.37	3.53 4.53	89.66 115.06	1.01	00.27	1.20	01.70
	06	STD. A B		0.63	15.88	0.75	19.05			1.53 2.53 3.53	38.86 64.26 89.66	1.38	35.05	1.40	35.56
		C STD.								4.53 1.53	115.06 38.86				
	07	A B C		0.75	19.05	0.88	22.23			2.53 3.53 4.53	64.26 89.66 115.06	1.50	38.10	1.50	38.10
	08	STD.		0.88	22.23	1.00	25.40			1.53	38.86 64.26	1.63	41.40	1.65	41.91
		B C		0.00	22.20	1.00	23.40			3.53 4.53	89.66 115.06	1.00	41.40	1.00	41.31
	03	STD. A B		0.25	6.35	0.38	9.53			1.53 2.53 3.53	38.86 64.26 89.66	1.25	31.75	1.10	27.94
		C STD.								4.53 1.53	115.06 38.86				
	04	A B C		0.38	9.53	0.50	12.70			2.53 3.53 4.53	64.26 89.66 115.06	1.25	31.75	1.20	30.48
	05	STD.		0.50	12.70	0.63	15.88			1.53	38.86 64.26	1.31	33.27	1.25	31.75
		B C STD.		0.50	12.70	0.00	13.00			3.53 4.53	89.66 115.06	1.01	00.27	1.20	01.70
23	06	A B	23 / H	0.63	15.88	0.75	19.05	1.65	41.91	1.53 2.53 3.53	38.86 64.26 89.66	1.38	35.05	1.40	35.56
		C STD.								4.53 1.53	115.06 38.86				
	07	A B C		0.75	19.05	0.88	22.23			2.53 3.53 4.53	64.26 89.66 115.06	1.50	38.10	1.50	38.10
	08	STD. A		0.88	22.23	1.00	25.40			1.53 2.53	38.86 64.26	1.63	41.40	1.65	41.91
		B C STD.		5.50			_5.70			3.53 4.53 1.53	89.66 115.06 38.86	55			
	09	A B		1.00	25.40	1.13	28.58			2.53 3.53	64.26 89.66	1.63	41.40	1.75	44.45
		С								4.53	115.06	]			

## **Environmental EMI / RFI Backshell**

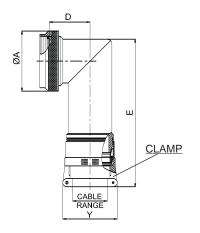
**Connector Group - L** 

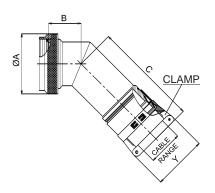
Straight

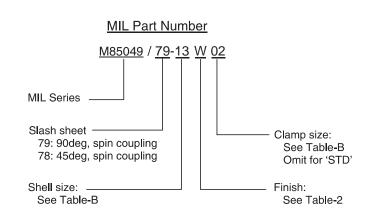
					TA	BLE	- A								
DESI	RT NUMB GNATOR		CONNECTOR		CABLE		≣ AX	A DIA.	(MAX)	В (І	MAX)	X (N	IAX)	Y (N	IAX)
CONNECTOR SHELL SIZE	CLAMP SIZE	LENGTH	SIZE/CODE (REF.)	INCH	мм	INCH	мм	INCH	мм	INCH	ММ	INCH	ММ	INCH	ММ
	4	STD. A B C		0.38	9.53	0.50	12.70			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.25	31.75	1.20	30.48
	5	STD. A B C		0.50	12.70	0.63	15.88			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.31	33.27	1.25	31.75
	6	STD. A B C		0.63	15.88	0.75	19.05			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.38	35.05	1.40	35.56
25	7	STD. A B C	25 / J	0.75	19.05	0.88	22.23	1.85	46.99	1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.50	38.10	1.50	38.10
	8	STD. A B C		0.88	22.23	1.00	25.40			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.63	41.40	1.65	41.91
	9	STD. A B C		1.00	25.40	1.13	28.58			1.53 2.53 3.53 4.53	38,86 64.26 89,66 115.06	1.63	41.40	1.75	44.45
	10	STD. A B C		1.13	28.58	1.25	31.75			1.53 2.53 3.53 4.53	38.86 64.26 89.66 115.06	1.63	41.40	1.90	48.26

#### **Connector Group - L**

90°, 45°







NOTE: \* For more cable entry options, contact factory

					TAI	BLE - E	3							
MIL PART NO DESIGNA		CONNECTOR SHELL	•	CABLE	RANGI	≣	A DIA.	(MAX)	В (М	IAX)	C (N	ЛАХ)	D (N	IAX)
CONNECTOR		SIZE/CODE (REF.)	М	IN	M	AX								
SHELL SIZE	SIZE	(11=11)	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
09	01	09 / A	0.06	1.57	0.13	3.18	0.75	19.05	0.46	11.68	3.15	80.01	0.69	17,53
	02	33771	0.13	3.18	0.25	6.35								
	01		0.06	1.57	0.13	3.18								
11	02	11 / B	0.13	3.18	0.25	6.35	0.85	21.59	0.52	13.21	3.21	81.53	0.78	19.81
	03		0.25	6.35	0.38	9.53								
40	02	40 / 0	0.13	3.18	0.25	6.35	4.00	05.40	0.50	4470	0.07		0.00	00.00
13	03	13 / C	0.25	6.35	0.38	9.53	1.00	25.40	0.58	14.73	3.27	83.06	0.80	20.32
	04		0.38	9.53	0.50	12.70								
	02		0.13	3.18	0.25	6.35								
15	03	15 / D	0.25	6.35	0.38	9.53	1.15	29.21	0.65	16.51	3.36	85.34	0.88	22.35
10	04	1075	0.38	9.53	0.50	12.70	1.10	20.21	0.00	10.01	0.00	00.04	0.00	22.00
	05		0.50	12.70	0.63	15.88								
	02		0.13	3.18	0.25	6.35								
	03	Ì	0.25	6.35	0.38	9.53								
17	04	17 / E	0.38	9.53	0.50	12.70	1.25	31.75	0.74	18.80	3.47	88.14	0.93	23.62
	05		0.50	12.70	0.63	15.88								
	06		0.63	15.88	0.75	19.05								

### **Environmental EMI / RFI Backshell**

**Connector Group - L** 

90°, 45°

					TAI	BLE - E	3							
MIL PART NU DESIGNA		CONNECTOR SHELL	,	CABLE				(MAX)	В (М	/IAX)	C (N	ЛАХ)	D (N	IAX)
CONNECTOR	CLAMP	SIZE/CODE	M	IN	M	AX								
SHELL SIZE	SIZE	(REF.)	INCH	мм	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
	03		0.25	6.35	0.38	9.53								
	04		0.38	9.53	0.50	12.70								
19	05	19 / F	0.50	12.70	0.63	15.88	1.40	35.56	0.93	23.62	3.66	92.96	1.01	25.65
	06		0.63	15.88	0.75	19.05								
	07		0.75	19.05	0.88	22.23								
	03		0.25	6.35	0.38	9.53								
	04		0.38	9.53	0.50	12.70								
21	05	21 / G	0.50	12.70	0.63	15.88	1.55	39.37	0.93	23.62	3.66	92.96	1.06	26.92
	06	2170	0.63	15.88	0.75	19.05	1.55	09.07	0.30	20.02	0.00	32.30	1.00	20.32
	07		0.75	19.05	0.88	22.23								
	80		0.88	22.23	1.00	25.40								
	03		0.25	6.35	0.38	9.53								
	04		0.38	9.53	0.50	12.70								
	05		0.50	12.70	0.63	15.88								
23	06	23 / H	0.63	15.88	0.75	19.05	1.65	41.91	1.02	25.91	3.81	96.77	1.17	29.72
	07		0.75	19.05	0.88	22.23								
	08		0.88	22.23	1.00	25.40								
	19		1.00	25.40	1.13	28.58								
	04		0.38	9.53	0.50	12.70								
	05		0.50	12.70	0.63	15.88								
	06		0.63	15.88	0.75	19.05								
25	07	25 / J	0.75	19.05	0.88	22.23	1.85	46.99	1.02	25.91	3.81	96.77	1.18	29.97
	08		0.88	22.23	1.00	25.40								
	09		1.00	25.40	1.13	28.58								
	10	]	1.13	28.58	1.25	31.75								

**Connector Group - L** 

90°, 45°

		TABLE -	В			
MIL PART NO DESIGNA		CONNECTOR SHELL	E (l'	MAX)	Y (N	IAX)
CONNECTOR SHELL SIZE	SIZE	SIZE/CODE (REF.)	INCH	мм	INCH	мм
09	01	09 / A	3.46	87.88	0.80	20.32
	02				1.00	25.40
11	01 02	11 / D	3.58	00.00	0.80 1.00	20.32
11	03	11 / B	3.56	90.93	1.10	27.94
	02				1.00	25.40
13	03	13 / C	3.60	91.44	1.10	27.94
	04	.0, 0	0.00		1.20	30.48
	02				1.00	25.40
	03				1.10	27.94
15	04	15 / D	3.67	93.22	1.20	30.48
	05				1.25	31.75
	02				1.00	25.40
	03				1.10	27.94
17	04	17 / E	3.76	95.50	1.20	30.48
	05			1.25	31.75	
	06				1.40	35.56
	03				1.10	27.94
	04				1.20	30.48
19	05	19 / F	3.93	99.82	1.25	31.75
	06		0.00		1.40	35.56
	07				1.50	38.10
	03				1.10	27.94
	04				1.20	30.48
	05				1.25	31.75
21	06	21 / G	3.93	99.82	1.40	35.56
	07				1.50	38.10
	08				1.65	41.91
	03				1.10	27.94
	04				1.20	30.48
	05				1.25	31.75
23	06	23 / H	4.04	102.62	1.40	35.56
	07	25/11	7.07	102.02	1.50	38.10
					1.65	41.91
	08 09 04 05 06			1.75	44.45	
				1.20	30.48	
					1.25	31.75
					1.40	35.56
0.5		05 / 1	404	100.00		
25	07	25 / J	4.04	102.62	1.50	38.10
	08				1.65	41.91
	09				1.75	44.45
	10				1.90	48.26

## **SHRINK BOOT ADAPTOR**



Amphenol shrink boot adapter is a good option when the unshielded cables are terminated with heat shrink boots. It has a groove where the boot lip can be held which provides good grip apart from sufficient space inside for the cable looping.

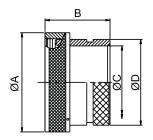
Using the heat shrink boot is one way of providing environmental protection and strain relief to cable termination. Using a suitable adapter is essential here to ensure the repairability. Amphenol shrink boot adapter is designed to provide excellent characteristics in all these parameters.

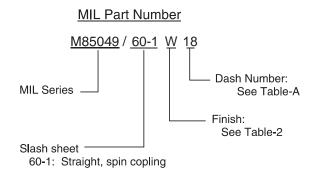
For Connector Group		Page No.
J	$\Rightarrow$	V-1
K	$\rightarrow$	V-2
L	<b>→</b>	V-3

Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

**Connector Group - J** 

**Straight** 





NOTE: \* For more cable entry and length options, contact factory

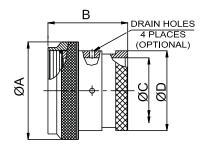
TABLE - A													
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	В (М	ЛАХ)	C DIA	A. (MIN)	D DIA. (MAX)					
DASH NO		INCH MM		INCH	ММ	INCH	ММ	INCH	ММ				
8	8	0.62	15.67	1.19	30.15	0.25	6.35	0.53	13.54				
10	10	0.73	18.64	1.19	30.15	0.36	9.02	0.61	15.37				
12	7/12	0.86	21.79	1.19	30.15	0.49	12.47	0.77	19.66				
14	12/14	0.98	24.99	1.19	30.15	0.57	14.35	0.84	21.29				
16	19/16	1.11	28.24	1.19	30.15	0.69	17.53	0.96	24.46				
18	27/18	1.22	30.94	1.19	30.15	0.77	19.53	1.04	26.47				
20	37/20	1.35	34.16	1.19	30.15	0.89	22.71	1.22	30.91				
22	22	1.47	37.29	1.19	30.15	1.02	25.88	1.36	34.42				
24	24	1.59	40.46	1.19	30.15	1.13	28.80	1.44	36.65				
28	28	1.97	50.01	1.51	38.38	1.37	34.77	1.71	43.41				
32	32	2.22	56.36	1.51	38.38	1.62	41.02	1.92	48.74				
36	36	2.47 62.71		1.51	38.38	1.83	46.48	2.17	55.09				
40	40	2.72 69.06		1.51	38.38	2.05	51.94	2.40	61.01				
44	44	2.97	75.41	1.51	38.38	2.30	58.42	2.66	67.49				
48	48	3.22	81.76	1.51	38.38	2.55	64.77	2.91	73.84				

**Table Continued** 

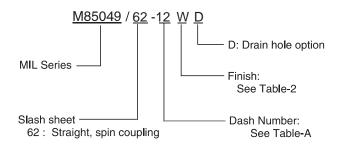
#### **Shrink Boot Adaptor**

**Connector Group - K** 

**Straight** 



#### MIL Part Number



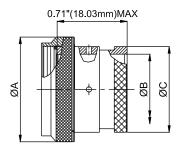
NOTE: \* For more cable entry and length options, contact factory

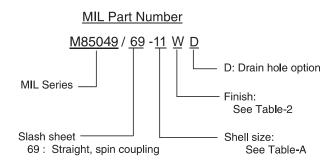
	TABLE - A											
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE SE – II / I	A DIA.	(MAX)	В (Л	/IAX)	C DIA.	. ( MIN)	D DIA.	( MAX)			
DASH NO.		INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ			
08	8/9	0.75	19.05	1.00	25.40	0.25	6.35	0.53	13.54			
10	10 / 11	0.85	21.59	1.00	25.40	0.38	9.53	0.61	15.37			
12	12 / 13	1.00	25.40	1.00	25.40	0.50	12.70	0.77	19.66			
14	14 / 15	1.10	27.94	1.00	25.40	0.63	15.88	0.84	21.29			
16	16 / 17	1.25	31.75	1.00	25.40	0.75	19.05	0.94	23.77			
18	18 / 19	1.40	35.56	1.00	25.40	0.81	20.62	1.04	26.47			
20	20 / 21	1.50	38.10	1.00	25.40	0.94	23.80	1.22	30.91			
22	22 / 23	1.65 41.91		1.00	25.40	1.06	26.97	1.36	34.42			
24	24 / 25	1.75 44.45		1.00	25.40	1.19	30.18	1.44	36.65			

**Table Continued** 

#### **Shrink Boot Adaptor**

**Connector Group - L** 





NOTE: \* For more cable entry and length options, contact factory

TABLE - A													
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE/CODE	A DIA	. (MAX)	B DIA	. (MIN)	C DIA.	. (MAX)						
CONNECTOR	(REF.)	INIGH		IN OU		a.ı							
SHELL SIZE		INCH	MM	INCH	MM	INCH	MM						
09	09 / A	0.75	19.05	0.25	6.35	0.53	13.54						
11	11 / B	0.85	21.59	0.38	9.53	0.61	15.37						
13	13 / C	1.00	25.40	0.50	12.70	0.77	19.66						
15	15 / D	1.15	29.21	0.63	15.88	0.84	21.29						
17	17 / E	1.25	31.75	0.75	19.05	0.94	23.77						
19	19 / F	1.40	35.56	0.81	20.62	1.04	26.47						
21	21 / G	1.55	39.37	0.94	23.80	1.22	30.91						
23	23 / H	1.65	41.91	1.06	26.97	1.36	34.42						
25	25 / J	1.85	46.99	1.19	30.18	1.44	36.65						

# **CRIMP RING ADAPTOR**



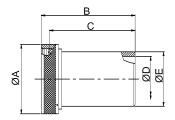
Many cable terminations where heat shrink boots are used will require provision for terminating the screens too. It is achieved in this type of back shell through a ring, which can be crimped to the back shell body holding the screens in between.

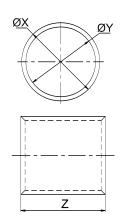
For Connector Group		Page No.
J	$\rightarrow$	VI-1 - VI-2
K	$\rightarrow$	VI-3
L	<b>→</b>	VI-4

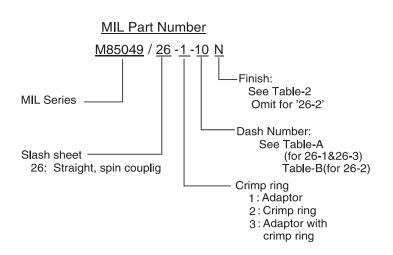
Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

#### **Connector Group - J**

**Straight** 







NOTE: \* For more cable entry and length options, contact factory

				TABL	E - A							
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE SIZE	A DIA.	A DIA. (MAX)		/IAX)	C (N	ЛАХ)	D DIA	. (MAX)	E DIA. (MAX)		
DASH NO.		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	ММ	
8	8	0.62	15.67	1.28	32.44	0.96	24.38	0.25	6.35	0.35	8.81	
10	10	0.73	18.64	1.28	32.44	0.96	24.38	0.33	8.26	0.50	12.70	
12	7/12	0.86	21.79	1.28	32.44	0.96	24.38	0.42	10.67	0.51	12.95	
14	12/14	0.98	24.99	1.28	32.44	0.96	24.38	0.54	13.72	0.63	16.00	
16	19/16	1.11	28.24	1.28	32.44	0.96	24.38	0.67	17.02	0.76	19.30	
18	27/18	1.22	30.94	1.28	32.44	0.96	24.38	0.79	20.04	0.89	22.61	
20	37/20	1.35	34.16	1.28	32.44	0.96	24.38	0.91	23.22	1.01	25.65	
22	22	1.47	37.29	1.28	32.44	0.96	24.38	1.04	26.39	1.13	28.70	
24	24	1.59	40.46	1.28	32.44	0.96	24.38	1.11	28.24	1.20	30.48	
28	28	1.97	50.01	1.44	36.55	0.96	24.38	1.39	35.28	1.56	39.62	
32	32	2.22	56.36	1.44	36.55	0.96	24.38	1.64	41.53	1.81	45.97	
36	36	2.47	62.71	1.44	36.55	0.96	24.38	1.85	46.99	2.06	52.32	
40	40	2.72	69.06	1.44	36.55	0.96	24.38	2.07	52.45	2.31	58.67	
44	44	2.97	75.41	1.44	36.55	0.96	24.38	2.32	58.93	2.56	65.02	
48	48	3.22	81.76	1.44	36.55	0.96	24.38	2.57	65.28	2.81	71.37	

**Table Continued** 

# **Amphenol**

#### **Crimp Ring Adaptor**

**Connector Group - J** 

Straight

				TABL	E - B							
	NUMBER NATOR	CONNECTOR SHELL SIZE SIZE		ХС	DIA.			ΥC	DIA.		;	Z
DASH NO.	PART NO		М	IN	M	AX	М	IN	M	AX		
DASIT NO.	COLOR		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	GREEN	8	0.45	11.38	0.46	11.63	0.40	10.16	0.41	10.41	0.25	6.35
10	RED	10	0.66	16.76	0.68	17.27	0.59	14.86	0.60	15.11	0.44	11.18
12	RED	7/12	0.66	16.76	0.68	17.27	0.59	14.86	0.60	15.11	0.44	11.18
14	BLUE	12/14	0.78	19.81	0.80	20.32	0.71	17.91	0.72	18.16	0.44	11.18
16	GRAY	19/16	0.91	23.11	0.93	23.62	0.84	21.21	0.85	21.46	0.44	11.18
18	BROWN	27/18	1.08	27.43	1.10	27.94	1.01	25.53	1.02	25.78	0.44	11.18
20	GREEN	37/20	1.20	30.48	1.22	30.99	1.13	28.58	1.14	28.83	0.44	11.18
22	PINK	22	1.32	33.53	1.34	34.04	1.25	31.62	1.26	31.88	0.44	11.18
24	YELLOW	24	1.39	35.23	1.41	35.74	1.31	33.32	1.32	33.58	0.44	11.18
28	RED	28	1.74	44.20	1.76	44.70	1.67	42.29	1.68	42.55	0.44	11.18
32	GRAY	32	1.99	50.55	2.01	51.05	1.92	48.64	1.93	48.90	0.44	11.18
36	GREEN	36	2.24	56.90	2.26	57.40	2.17	54.99	2.18	55.25	0.44	11.18
40	ORANGE	40	2.49	63.25	2.51	63.75	2.42	61.34	2.43	61.60	0.44	11.18
44	YELLOW	44	2.74	69.60	2.76	70.10	2.67	67.69	2.68	67.95	0.44	11.18
48	BLUE	48	2.99	75.95	3.01	76.45	2.92	74.04	2.93	74.30	0.44	11.18

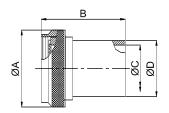
Note: The material & finish for the crimp ring will always be as follows

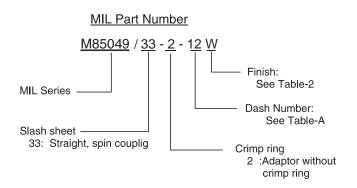
Material:Copper as per ASTM B-75

Finish:Tin plating as per MIL-T-10727,Type-1

**Connector Group - K** 

**Straight** 



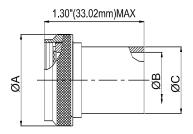


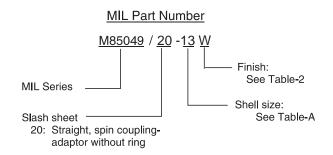
NOTE: \* For more cable entry and length options, contact factory

			<b>TABLE</b>	- A					
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	A DIA.	( MAX)	B (N	/IAX)	C DIA	. ( MAX)	D DIA.	(MAX)
DASH NO.	SE – II / I	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
08	8/9	0.75	19.05	1.14	28.96	0.27	6.86	0.35	8.89
10	10 / 11	0.85	21.59	1.14	28.96	0.34	8.64	0.50	12.70
12	12 / 13	1.00	25.40	1.14	28.96	0.44	11.18	0.51	12.95
14	14 / 15	1.10	27.94	1.14	28.96	0.56	14.22	0.63	16.00
16	16 / 17	1.25	31.75	1.14	28.96	0.69	17.53	0.76	19.30
18	18 / 19	1.40	35.56	1.14	28.96	0.80	20.32	0.89	22.61
20	20 / 21	1.50 38.10		1.14	28.96	0.93	23.62	1.01	25.65
22	22 / 23	1.65 41.91		1.14	28.96	1.05	26.67	1.13	28.70
24	24 / 25	1.75	44.45	1.14	28.96	1.13	28.70	1.20	30.48

**Table Continued** 

**Connector Group - L** 





NOTE: \* For more cable entry and length options, contact factory

		TABL	E-A				
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE/CODE (REF.)	A DIA.	(MAX)	B DIA	. (MIN)	C DIA.	(MAX)
CONNECTOR SHELL SIZE	(NEF.)	INCH	MM	INCH	ММ	INCH	ММ
09	09 / A	0.75	19.05	0.27	6.73	0.35	8.81
11	11 / B	0.85	21.59	0.34	8.71	0.50	12.65
13	13 / C	1.00	25.40	0.44	11.10	0.51	12.95
15	15 / D	1.10	27.94	0.56	14.27	0.63	16.00
17	17 / E	1.25	31.75	0.69	17.45	0.76	19.30
19	19 / F	1.40	35.56	0.81	20.62	0.89	22.61
21	21 / G	1.50	38.10	0.94	23.80	1.01	25.65
23	23 / H	1.65	41.91	1.05	26.57	1.13	28.70
25	25 / J	1.75	44.45	1.13	28.58	1.20	30.53

# **BAND LOCK ADAPTOR**



This is another method of termination of screens. A high quality band will do the job in this back shell. Tempered bands are tightened over the shields, which is pulled over the banding area, using special assembly tools. Suitable over cover by heat shrink boot or some other method as chosen by the designer could be used. Both crimp ring and banded terminations give a low DC resistance.

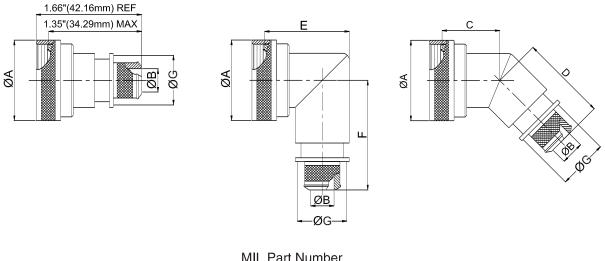
For Connector Group		Page No.
J	<b>→</b>	VII-1
K	<b>→</b>	VII-2
L	<b>→</b>	VII-3

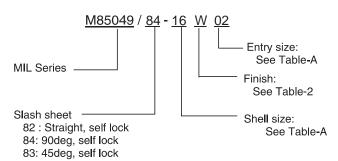
Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

#### **Band Lock Adaptor**

#### **Connector Group - J**

Straight, 90°, 45°





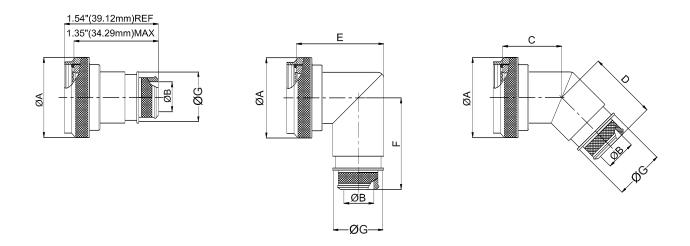
NOTE: \* For more cable entry and length options, contact factory

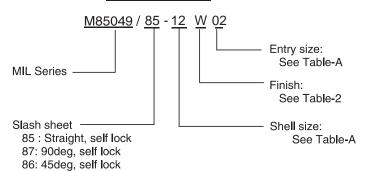
NOTE: FO		cano ona y un	ia ierigiri opti		, 0											
						TAI	3LE - /	Α								
MIL PART NU					ВІ	DIA.										
DESIGNAT		CONNECTOR	A DIA	A DIA. (MAX)		+0.00 +0.00		C (MAX)		IAX)	EΛ	IAX)	F (N	IAX)	G (N	ΙΔΧ)
ACCESSORY		SHELL SIZE			-0.02	-0.50	`		,				`			
SHELL SIZE	SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	02	8	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
- 00	03	ŭ	0100	LLITO	0.26	6.60	0.07	22110		20110	1110	00110		00.00	0.56	14.22
10	02	10	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
	03	. •	.,	20100	0.32	8.13	0,00		.,,,	20107	1,20	0210	.,,,	07100	0.63	16.00
12	02	7 / 12	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
	03				0.45	11.43	0.02		0						0.75	19.05
14	02	12 / 14	1,26	32.00	0.45	11.43	0.94	23.88	1,22	30.99	1,53	38.89	1.61	40.77	0.75	19.05
	03	127 11	.,_0	02100	0.57	14.48	0,0 .	20,00		00100	1,00	00,00	.,	10177	0.89	22.61
16	02	19 / 16	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
	03	.07.10			0.64	16.26	0.00		0	0					0.95	24.13
18	02	27 / 18	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
	03	27 7 10	.,	00100	0.76	19.30	0,00	2 1100	1,20	02.00		10101	.,,,	1010 1	1.07	27.18
20	02	37 / 20	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
	03	07 7 20	1101	11100	0.82	20.83	1100	20110	1120	OLII 7	1101	10101	1170	10102	1.13	28.07
22	02	22	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
	03		, 0		0.95	24.13	.,00	20.10		00.27		.0.20		.5.00	1.26	32.00
24	02	24	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
	03			17.100	1.01	25.65		20.07		0 110+		55.10	1.02	10.00	1.32	33.53
28	02	28	2.14	54.23	0.89	22.61	1.10	27.94	1.38	35.05	2.53	64.29	2.04	51.87	1.19	30.23
	03	20	2.17	0 1.20	1.14	28.96	1.10	27.04	1.00	55.05	2.50	01.20	2.07	01.07	1.47	37.34

#### **Band Lock Adaptor**

#### **Connector Group - K**

Straight, 90°, 45°





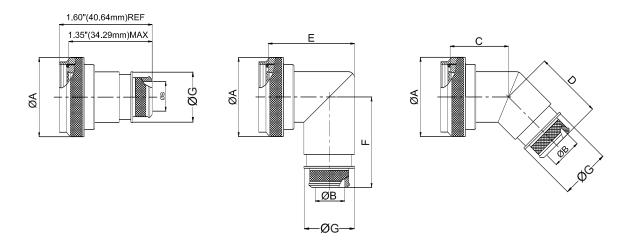
NOTE: \* For more cable entry and length options, contact factory

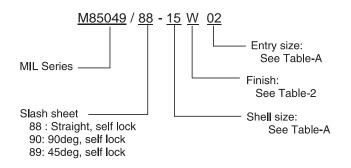
NOTE: FO	rmore	cable entry a	na ier	igiri opi	ions,	contac	i racio	ory								
						TAI	BLE -	Α								
MIL PART NU DESIGNAT		CONNECTOR	A DIA. (MAX)		+0.00 -0.02	+0.00 -0.50	C (MAX)		D (MAX)		E (MAX)		F (N	IAX)	G (N	IAX)
ACCESSORY SHELL SIZE	ENTRY SIZE	SHELL SIZE SE – II / I	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
08	01 02	8/9	0.86	21.82	N/A 0.26	N/A 6.60	0.87	22.10	1.16	29.46	1.38	34.93	1.42	35.99	N/A 0.56	N/A 14.22
10	01 02	10 / 11	0.99	25.04	N/A 0.32	N/A 8.13	0.90	22.86	1.19	30.23	1.44	36.50	1.48	37.59	N/A 0.63	N/A 16.00
12	01 02	12 / 13	1.16	29.36	0.32	8.13 11.43	0.92	23.37	1.21	30.73	1.56	39.67	1.55	39.45	0.63	16.00 19.05
14	01	14 / 15	1.28	32.54	0.45	11.43	0.95	24.13	1.24	31.50	1.69	42.85	1.61	41.00	0.75	19.05 22.61
16	01 02	16 / 17	1.41	35.71	0.51	12.95	0.98	24.89	1.26	32.00	1.75	44.45	1.68	42.62	0.82	20.83
18	01 02	18 / 19	1.52	38.51	0.64	16.26 19.30	0.98	24.89	1.27	32.26	1.88	47.63	1.73	44.02	0.95	24.13 27.18
20	01 02	20 / 21	1.64	41.68	0.64	16.26	1.01	25.65	1.30	33.02	1.94	49.23	1.80	45.62	0.95	24.13
22	01	22 / 23	1.77	44.86	0.82	20.83	1.04	26.42	1.33	33.78	2.06	52.37	1.86	47.22	1.13	28.07
24	02 01	24 / 25	1.89	48.03	0.95	24.13 19.30	1.07	27.18	1.35	34.29	2.13	53.98	1.92	48.74	1.26	32.00 27.18
	02	1			1.01	25.65		I		I			I		1.32	33.53

#### **Band Lock Adaptor**

#### **Connector Group - L**

Straight, 90°, 45°





NOTE: \* For more cable entry and length options, contact factory

TABLE - A																
MIL PART NU Designat		CONNECTOR	A DIA. (MAX)		+0.00 -0.02			C (MAX)		IAX)	E (MAX)		F (MAX.)		G (MAX)	
CONNECTOR SHELL SIZE	ENTRY SIZE	SHELL SIZE/CODE	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
9	02 03	09 / A	0.86	21.82	N/A 0.26	N/A 6.60	1.01	25.65	1.16	29.46	1.38	34.93	1.42	35.99	N/A 0.56	N/A 14.22
11	02 03	11 / B	0.99	25.04	N/A 0.32	N/A 8.13	1.03	26.16	1.19	30.23	1.44	36.50	1.48	37.59	N/A 0.63	N/A 16.00
13	02	13 / C	1.16	29.36	0.32	8.13	1.06	26.92	1.21	30.73	1.56	39.67	1.55	39.45	0.63 0.75	16.00 19.05
15	02	15 / D	1.28	32.54	0.45	11.43	1.08	27.43	1.24	31.50	1.69	42.85	1.61	41.00	0.75 0.89	19.05 22.61
17	02	17 / E	1.41	35.71	0.51	12.95 16.26	1.11	28.19	1.26	32.00	1.75	44.45	1.68	42.62	0.82	20.83
19	02	19 / F	1.52	38.51	0.64	16.26 19.30	1.12	28.45	1,27	32.26	1.88	47.63	1.77	45.03	0.95	24.13
21	02	21 / G	1.64	41.68	0.64 0.82	16.26 20.83	1.15	29.21	1.30	33.02	1.94	49.23	1.80	45.62	0.95	24.13
23	02	23 / H	1.77	44.86	0.70	17.78 24.13	1.17	29.72	1.33	33.78	2.06	52.37	1.86	47.22	1.02	25.99 32.00
25	02	25 / J	1.89	48.03	0.76	19.30	1.20	30.48	1.35	34.29	2.13	53.98	1.92	48.74	1.07	27.18 33.53

# **PRE-SHIELD ADAPTOR**



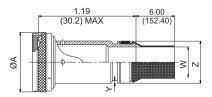
This adaptor is supplied with some length of braid attached. This braid overlaps with the cable braid and effective shielding takes place due to its 360° contact. It is designed to accept heat shrink boot. Ease and less time for cable termination are the prime advantages here.

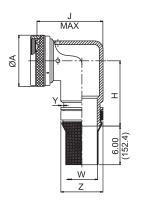
For Connector Group	Page No.
J	VIII-1 - VIII-2
K	VIII-3 - VIII-4
L	VIII-5 - VIII-6

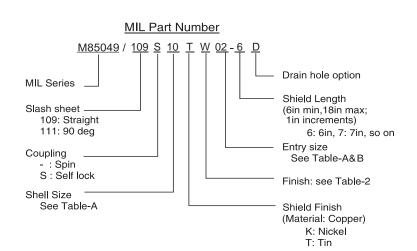
Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

**Connector Group - J** 

Straight, 90°







NOTE: \* For more cable entry and length options, contact factory

			TABLE -	Α							
PART NUMI	PART NUMBER DESIGNATOR			A DIA.	(MAX)	Н (	MAX)	J (I	J (MAX)		
SHELL SIZE -	ALLOWABLE ENTRY SIZE		SIZE	INCH MM		INCH	ММ	INCH	ММ		
MIL	MIN	MAX									
08	-	01	8	0.885	22.48	1.73	43.94	1.12	28.45		
10	01	03	10	1.01	25.65	1.85	46.99	1.25	31.75		
12	01	05	7/12	1.135	28.83	1.87	47.50	1.38	35.05		
14	02	06	12/14	1.26	32.00	1.94	49.28	1.44	36.58		
16	04	08	19/16	1.385	35.18	2.03	51.56	1.56	39.62		
18	05	09	27/18	1.51	38.35	2.2	55.88	1.75	44.45		
20	07	11	37/20	1.635	41.53	2.2	55.88	1.75	44.45		
22	09	13	22	1.76	44.70	2.31	58.67	2	50.80		
24	11	14	24	1.885	47.88	2.31	58.67	2	50.80		
28	14	16	28	2.135	54.23	2.48	62.99	2.25	57.15		
32	16	17	32	2.395	60.83	2.73	69.34	2.75	69.85		
36	17	19	36	2.635	66.93	2.73	69.34	3.125	79.38		
40	19	21	40	2.885	73.28	2.88	73.15	4.125	104.78		
44	21	23	44	3.135	79.63	3	76.20	4.125	104.78		
48	23	25	48	3.385	85.98	3.12	79.25	4.125	104.78		

**Table Continued** 

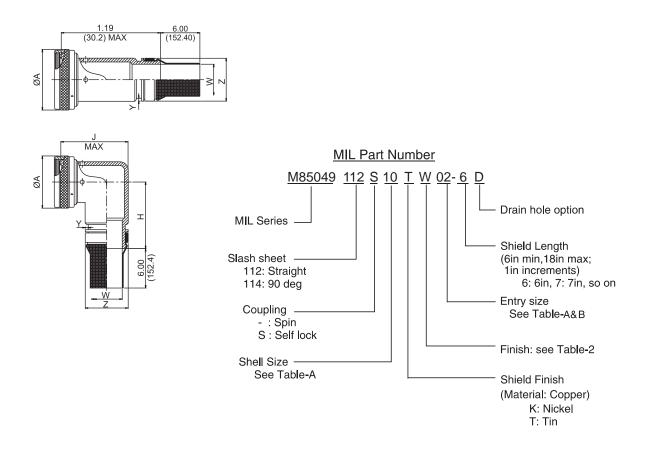
# **Amphenol**

#### **Pre-shield Adaptor**

**Connector Group - J** 

		TABLI	E - B			
ENTRY SIZE	W ±0.020	W <u>+</u> 0.508	Y +0.008 -0.000 (INCH)	Y +0.200 -0.000 (MM)	Z MAX	Z MAX
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
01	0.250	6.35	0.044	1.12	0.56	14.22
02	0.312	7.92	0.044	1.12	0.63	16.00
03	0.375	9.53	0.044	1.12	0.69	17.53
04	0.438	11.13	0.044	1.12	0.75	19.05
05	0.500	12.70	0.044	1.12	0.82	20.83
06	0.562	14.27	0.044	1.12	0.89	22.61
07	0.625	15.88	0.044	1.12	0.95	24.13
08	0.688	17.48	0.044	1.12	1.02	25.91
09	0.750	19.05	0.069	1.75	1.07	27.18
10	0.812	20.62	0.069	1.75	1.13	28.70
11	0.875	22.23	0.069	1.75	1.19	30.23
12	0.938	23.83	0.069	1.75	1.26	32.00
13	1.000	25.40	0.069	1.75	1.32	33.53
14	1.125	28.575	0.069	1.75	1.47	37.34
15	1.250	31.75	0.069	1.75	1.60	40.64
16	1.375	34.93	0.069	1.75	1.71	43.43
17	1.500	38.10	0.086	2.18	1.84	46.74
18	1.625	41.28	0.086	2.18	2.00	50.80
19	1.750	44.45	0.086	2.18	2.12	53.85
20	1.875	47.63	0.086	2.18	2.27	57.66
22	2.000	50.80	0.086	2.18	2.44	61.98
22	2.125	53.98	0.086	2.18	2.60	66.04
23	2.250	57.15	0.086	2.18	2.75	69.85
24	2.375	60.325	0.086	2.18	2.90	73.66
25	2.500	63.50	0.086	2.18	3.06	77.72

**Connector Group - K** 



NOTE: \* For more cable entry and length options, contact factory

	TABLE - A									
PART NUMBE	R DESIGI	NATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	Н (	MAX)	J (N	/IAX)	
SHELL SIZE -		WABLE RY SIZE	SIZE	INCH	ММ	INCH	ММ	INCH	ММ	
MIL	MIN	MAX								
08	-	01	8/9	0.86	21.84	1.73	43.94	1.07	27.18	
10	01	03	10/11	0.98	24.89	1.85	46.99	1.19	30.23	
12	01	05	12/13	1.16	29.46	1.87	47.50	1.32	33.53	
14	03	07	14/15	1.28	32.51	1.94	49.28	1.44	36.58	
16	05	09	16/17	1.41	35.81	2.03	51.56	1.57	39,88	
18	06	10	18/19	1.52	38.61	2.2	55.88	1.75	44.45	
20	08	12	20/21	1.64	41.66	2.2	55.88	1.75	44.45	
22	09	13	22/23	1.77	44.96	2.31	58.67	2	50.80	
24	10	14	24/25	1.89	48.01	2.31	58.67	2	50.80	

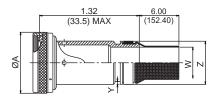
# **Amphenol**

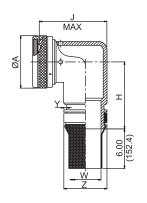
#### **Pre-shield Adaptor**

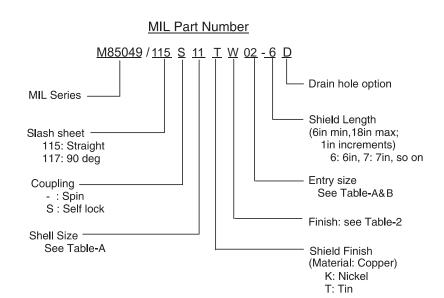
**Connector Group - K** 

		TABL	E - B			
ENTRY SIZE	W ±0.020	W <u>+</u> 0.508	Y +0.008 -0.000 (INCH)	Y +0.200 -0.000 (MM)	Z MAX	Z MAX
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
01	0.250	6.35	0.044	1.12	0.56	14.22
02	0.312	7.92	0.044	1.12	0.63	16.00
03	0.375	9.53	0.044	1.12	0.69	17.53
04	0.438	11.13	0.044	1.12	0.75	19.05
05	0.500	12.70	0.044	1.12	0.82	20.83
06	0.562	14.27	0.044	1.12	0.89	22.61
07	0.625	15.88	0.044	1.12	0.95	24.13
08	0.688	17.48	0.044	1.12	1.02	25.91
09	0.750	19.05	0.069	1.75	1.07	27.18
10	0.812	20.62	0.069	1.75	1.13	28.70
11	0.875	22.23	0.069	1.75	1.19	30.23
12	0.938	23.83	0.069	1.75	1.26	32.00
13	1.000	25.40	0.069	1.75	1.32	33.53
14	1.125	28.575	0.069	1.75	1.47	37.34

**Connector Group - L** 







NOTE: \* For more cable entry and length options, contact factory

	TABLE - A								
PART NUME	BER DESIG	NATOR	CONNECTOR SHELL SIZE	A DIA.	(MAX)	Н (	MAX)	J (I	ЛАХ)
SHELL SIZE -	ALLOW ENTRY		SIZE	INCH	ММ	INCH	ММ	INCH	ММ
MIL	MIN	MAX							
09	-	01	8/9	0.86	21.84	1.73	43.94	0.88	22.35
11	01	03	10/11	0.98	24.89	1.85	46.99	1	25.40
13	01	05	12/13	1.16	29.46	1.87	47.50	1.13	28.70
15	03	07	14/15	1.28	32.51	1.94	49.28	1.31	33.27
17	05	09	16/17	1.41	35.81	2.03	51.56	1.5	38.10
19	06	10	18/19	1.52	38.61	2.2	55.88	1.75	44.45
21	08	12	20/21	1.64	41.66	2.2	55.88	1.75	44.45
23	09	13	22/23	1.77	44.96	2.31	58.67	2	50.80
25	10	14	24/25	1.89	48.01	2.31	58.67	2	50.80

# **Amphenol**

#### **Pre-shield Adaptor**

#### **Connector Group - L**

		TABL	.E - B			
ENTRY SIZE	W ±0.020	W <u>+</u> 0.508	Y +0.008 -0.000 (INCH)	Y +0.200 -0.000 (MM)	Z MAX	Z MAX
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
01	0.250	6.35	0.044	1.12	0.56	14.22
02	0.312	7.92	0.044	1.12	0.63	16.00
03	0.375	9.53	0.044	1.12	0.69	17.53
04	0.438	11.13	0.044	1.12	0.75	19.05
05	0.500	12.70	0.044	1.12	0.82	20.83
06	0.562	14.27	0.044	1.12	0.89	22.61
07	0.625	15.88	0.044	1.12	0.95	24.13
08	0.688	17.48	0.044	1.12	1.02	25.91
09	0.750	19.05	0.069	1.75	1.07	27.18
10	0.812	20.62	0.069	1.75	1.13	28.70
11	0.875	22.23	0.069	1.75	1.19	30.23
12	0.938	23.83	0.069	1.75	1.26	32.00
13	1.000	25.40	0.069	1.75	1.32	33.53
14	1,125	28,575	0.069	1.75	1.47	37.34

# **QUICK CLAMP**



Many applications call for just tidying up the cable in the desired direction with a "minimum weight" consideration. Amphenol Quick Clamps are useful for such applications. It finds applications in interior wiring of flying machines

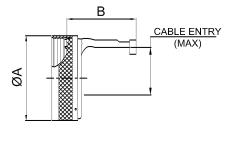
For Connector Group		Page No.
J	<b>→</b>	IX-1
K	<b>→</b>	IX-2
L	<b>→</b>	IX-3

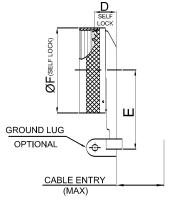
Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

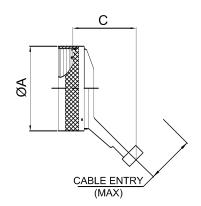
**Connector Group - J** 

Straight, 90°, 45°

lug(only for 90deg)







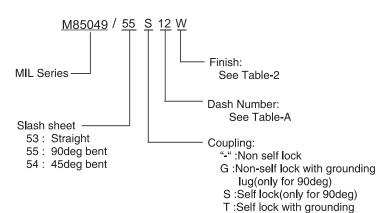


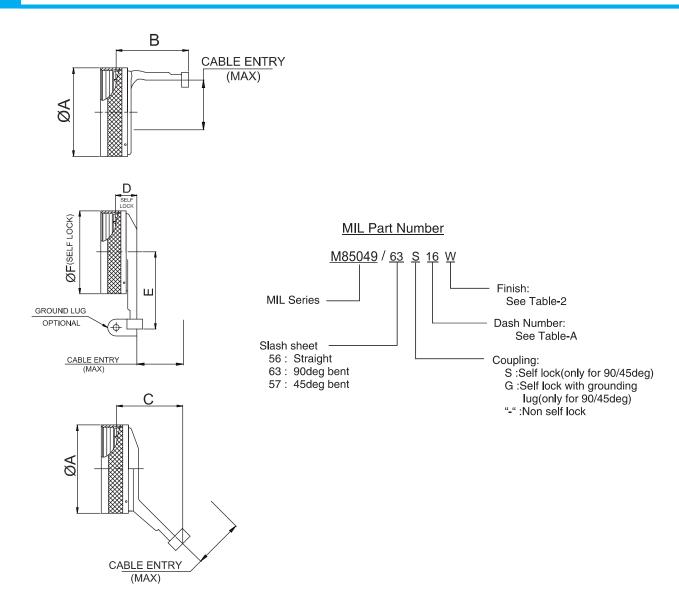
	TABLE - A																																
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE SIZE	A DIA. (MAX)		A DIA. (MAX)		A DIA. (MAX)		A DIA. (MAX)		(MAX) B (MAX)		C (MAX)		D (MAX)		E (MAX)		F DIA. (MAX)		WIRING ENTRY (MAX)													
DASH NO	SIZE	INCH	мм																														
08	8	0.66	16.69	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	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	7/12	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	12/14	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	19/16	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	27/18	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	37/20	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	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	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																		
28	28	1.97	50.04	1.56	39.62	1.47	37.31	0.75	19.05	2.06	52.32	2.14	54.23	1.38	35.03																		

# **Amphenol**

#### **Quick Clamp**

**Connector Group - K** 

Straight, 90°, 45°



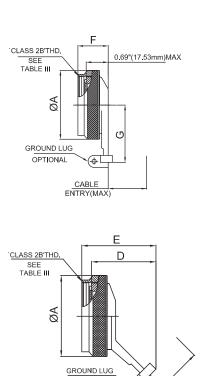
						TABL	E-A												
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	A DIA. (MAX)		A DIA. (MAX)		SIZE		B (N	IAX)	C (N	IAX)	D (N	IAX)	E (N	IAX)	F DIA.	(MAX)	WIR ENTRY	
DASH NO	SIZE	INCH	мм	INCH	ММ	INCH	ММ	INCH	ММ	INCH	мм	INCH	ММ	INCH	ММ				
08	8	0.66	16.69	0.95	24.23	1.23	31.29	0.73	18.54	1.22	30.99	0.89	22.48	0.26	6.60				
10	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	7/12	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	12/14	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	19/16	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	27/18	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	37/20	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	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	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				

**Connector Group - L** 

90°, 45°

G:Self lock with grounding

lug "-" :Non self lock



OPTIONAL

CABLE ENTRY(MAX)

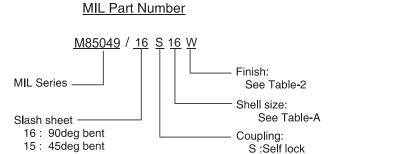


	TABLE - A												
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE/CODE	A DIA. (MAX)		A DIA. (MAX) D (MAX		E (MAX)		F (MAX)		G (MAX)		WIRING ENTRY(MAX)	
CONNECTOR	(REF.)												
SHELL SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
9	09 / A	0.86	21.79	1.03	26.16	1.43	36.32	0.99	25.15	1.22	30.99	0.26	6.71
11	11 / B	0.98	24.99	1.03	26.16	1.43	36.32	0.99	25.15	1.29	32.77	0.39	9.96
13	13 / C	1.16	29.39	1.03	26.16	1.43	36.32	0.99	25.15	1.62	41.15	0.51	12.85
15	15 / D	1.28	32,49	1.09	27.69	1,93	49.02	0.99	25.15	1.66	42.16	0.63	16.03
17	17 / E	1.41	35.71	1.11	28.19	1.93	49.02	0.99	25.15	1.72	43.69	0.76	19.20
19	19 / F	1.52	38.51	1.21	30.73	2.03	51.56	0.99	25.15	1.72	43.69	0.85	21.46
21	21 / G	1.64	41.71	1.26	32.00	2.09	53.09	0.99	25.15	1.79	45.47	0.97	24.64
23	23 / H	1.77	44.91	1.30	33.02	2.09	53.09	0.99	25.15	1.85	46.99	1.10	27.81
25	25 / J	1.89	47.98	1.34	34.04	2.24	56.90	0.99	25.15	1.91	48.51	1.22	30.99

# **STRAIN RELIEF CLAMP**



Amphenol Strain Reliefs not only tidy-up the cable after termination but provide good strain relief at the termination area. It is a cost effective cable holding option when environmental protection is not a concern, and weight saving is a major consideration

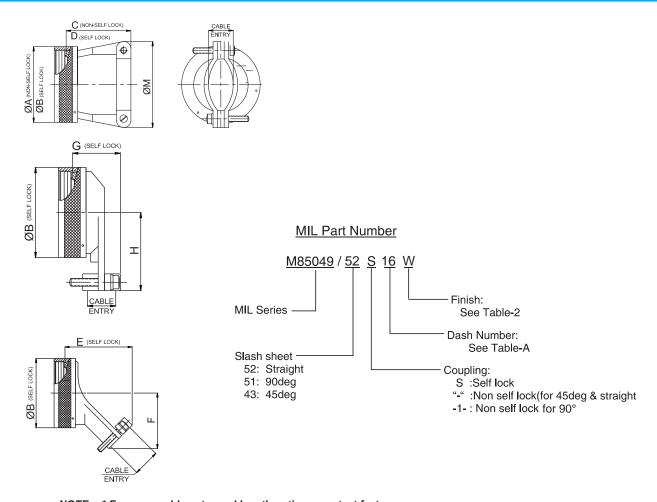
For Connector Group	Page No.
J	X-1 - X-4
K	X-5 - X-8
L	→ X-9 - X-12

Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

#### **Strain Relief Clamp**

#### **Connector Group - J**

Straight, 90°, 45°



NOTE: \* For more cable entry and length options, contact factory

					TABL	E-A							
MIL PART NUMBER DESIGNATOR	SHELL SIZE	' '		B DIA.	( MAX)	C (N	/IAX)	D (N	IAX)	E (N	IAX)	F (N	IAX)
DASH NO	SIZE	INCH			ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
8	8	0.62	15.67	0.89	22.48	0.63	16.00	0.73	18.54	1.32	33.53	0.77	19.61
10	10	0.73	18.64	1.01	25.65	0.74	18.80	0.85	21.59	1.36	34.65	0.80	20.40
12	7/12	0.86	21.79	1.14	28.83	0.86	21.84	0.98	24.89	1.44	36.53	0.87	22.00
14	12/14	0.98	24.99	1.26	32.00	0.86	21.84	0.98	24.89	1.48	37.59	0.93	23.57
16	19/16	1.11	28.24	1.39	35.18	0.99	25.15	1.10	27.94	1.59	40.28	0.99	25.17
18	27/18	1.22	30.94	1.51	38.35	1.24	31.50	1.35	34.29	1.70	43.28	1.11	28.19
20	37/20	1.35	34.16	1.64	41.53	1.36	34.54	1.48	37.59	1.75	44.40	1.17	29.77
22	22	1.47	37.29	1.76	44.70	1.49	37.85	1.60	40.64	1.79	45.52	1.24	31.37
24	24	1.59	40.46	1.89	47.88	1.61	40.89	1.73	43.94	1.84	46.63	1.30	32.94
28	28	1.97	50.01	2.14	54.23	1.76	44.70	1.88	47.75	1.96	49.81	1.54	39.19
32	32	2.22	56.36	2.40	60.83	1.95	49.53	2.13	54.10	2.05	52.04	1.67	42.37
36	36	2.47	62.71	2.64	66.93	2.33	59.18	2.44	61.98	2.09	53.16	1.79	45.54
40	40	2.72	69.06	2.89	73.28	2.51	63.75	2.63	66.80	2.09	53.19	1.92	48.72
44	44	2.97	75.41	3.14	79.63	2.89	73.41	3.00	76.20	2.36	59.94	2.13	54.15
48	48	3.22	81.76	3.39	85.98	3.26	82.80	3.40	86.36	2.45	62.18	2.26	57.33

**Table Continued** 

# **Amphenol**

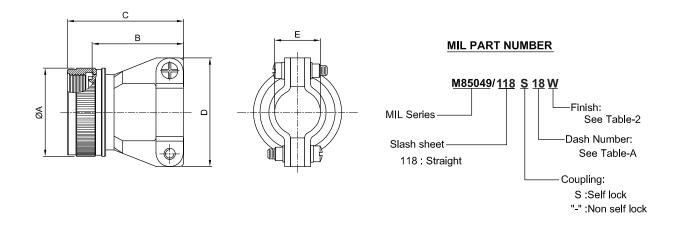
#### **Strain Relief Clamp**

**Connector Group - J** 

Straight, 90°, 45°

				TABL	E - A						
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	G (N	G (MAX )		IAX)	M (N	/IAX)		CABLE	ENTR	`
DASH NO	SIZE							М	IN	M	AX
DASITIVO		INCH			MM	INCH	MM	INCH	MM	INCH	MM
08	8	0.93	23.62	0.75	18.95	0.78	19.86	0.13	3.18	0.20	5.18
10	10	1.02			20.45	0.86	21.89	0.19	4.75	0.29	7.26
12	7/12	1.21	30.73	0.87	22.02	1.00	25.48	0.29	7.39	0.42	10.57
14	12/14	1.27	32.26	0.93	23.62	1.06	26.95	0.35	8.92	0.48	12.09
16	19/16	1.42	36.07	0.99	25.25	1.33	33.88	0.50	12.73	0.63	15.90
18	27/18	1.53	38.86	1.17	29.74	1.47	37.24	0.52	13.16	0.71	17.93
20	37/20	1.65	41.91	1.23	31.34	1.57	39.93	0.58	14.76	0.83	21.11
22	22	1.78	45.21	1.30	32.92	1.69	42.88	0.64	16.36	0.96	24.28
24	24	1.90	48.26	1.36	34.49	1.79	45.47	0.71	17.93	1.08	27.46
28	28	2.20	55.88	1.57	39.93	2.04	51.69	0.75	19.05	1.19	30.15
32	32	2.27	57.66	1.80	45.64	2.39	60.60	0.88	22.23	1.25	31.75
36	36	2.39	60.71	1.92	48.82	2.50	63.40	0.94	23.83	1.38	34.93
40	40	2.52	64.01	2.05	51.99	2.57	65.18	0.94	23.83	1.50	38.10
44	44	2.77	70.36	2.30	58.32	2.86	72.64	1.19	30.18	1.75	44.45
48	48	2.89	73.41	2.42	61.49	3.34	84.94	1.31	33.32	1.88	47.63

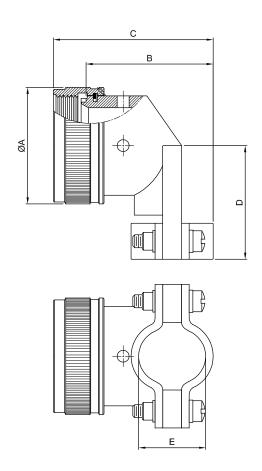
**Connector Group - J** 

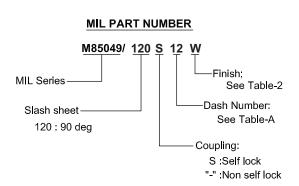


				TAI	BLE – A						
MIL PART NUMBER	CONNECTOR	A DIA.(	(MAY)	B LEI	NCTH	C.( M	AV )	D / N	MAX)	E. ( CL	OSED)
DESIGNATOR	SHELL SIZE	A DIA.	(WAX)	B LEI	NOTH	C.( IVI	AA )	D.( N	iiAA )	±.031	±.787
DASH NO		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	88	0.89	22.61	0.77/0.51	19.56/12.95	1.14	28.96	0.88	22.35	0.22	5.56
10	10S, 10SL	1.01	25.65	0.89/0.64	22.61/16.26	1.25	31.75	0.94	23.88	0.26	6.71
12	12, 12S	1.14	28.96	1.01/0.76	25.65/19.30	1.38	35.05	1.12	28.45	0.34	8.74
14	14, 14S	1.26	32.00	1.01/0.76	25.65/19.30	1.38	35.05	1.19	30.23	0.46	11.68
16	16, 16S	1.39	35.31	1.13/0.88	28.70/22.35	1.50	38.10	1.44	36.58	0.55	13.84
18	18	1.51	38.35	1.38/1.13	35.05/28.70	1.75	44.45	1.56	39.62	0.62	15.62
20	20	1.64	41.66	1.51/1.25	38.35/31.75	1.88	47.75	1.69	42.93	0.69	17.53
22	22	1.76	44.70	1.62/1.38	41.15/35.05	2.00	50.80	1.75	44.45	0.78	19.81
24	24	1.89	48.01	1.76/1.51	44.70/38.35	2.13	54.10	1.88	47.75	0.85	21.59
28	28	2.14	54.36	2.03/1.67	51.56/42.42	2.56	65.02	2.12	53.85	0.95	24.13
32	32	2.40	60.96	2.28/1.87	57.91/47.50	2.81	71.37	2.50	63.50	1.02	25.78
36	36	2.64	67.06	2.53/2.22	64.26/56.39	3.06	77.72	2.62	66.55	1.19	30.15
40	40	2.89	73.41	2.63/2.41	66.80/61.21	3.16	80.26	2.68	68.07	1.22	30.99
44	44	3.14	79.76	3.00/2.80	76.20/71.12	3.53	89.66	3.00	76.20	1.50	38.10
48	48	3.39	86.11	3.40/3.20	86.36/81.28	3.93	99.82	3.50	88.90	1.63	41.28

**Connector Group - J** 

90°

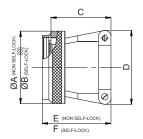


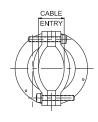


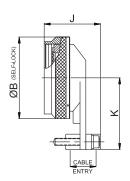
				TABL	E-A						
MIL PART NUMBER	CONNECTOR	A DIA.	(MAX)	В.( Г	MAX)	C.( N	ЛАХ)	D.( I	MAX)	E. ( CL	OSED)
DESIGNATOR	SHELL SIZE									±.031	±.787
DASH NO		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	8S	0.88	22.35	0.93	23.62	1.29	32.77	0.81	20.57	0.22	5.56
10	10S, 10SL	0.94	23.88	1.02	25.91	1.38	35.05	0.87	22.10	0.26	6.71
12	12, 12S	1.12	28.45	1.21	30.73	1.57	39.88	0.93	23.62	0.34	8.74
14	14, 14S	1.19	30.23	1.27	32.26	1.63	41.40	1.00	25.40	0.46	11.68
16	16, 16S	1.44 36.58		1.42	36.07	1.78	45.21	1.06	26.92	0.55	13.84
18	18	1.56	39.62	1.53	38.86	1.89	48.01	1.23	31.24	0.62	15.62
20	20	1.69	42.93	1.65	41.91	2.01	51.05	1.30	33.02	0.70	17.73
22	22	1.75	44.45	1.78	45.21	2.14	54.36	1.36	34.54	0.78	19.81
24	24	1.88	47.75	1.90	48.26	2.26	57.40	1.42	36.07	0.85	21.59
28	28	2.12	53.85	2.20	55.88	2.72	69.09	1.63	41.40	0.95	24.13
32	32	2.50	63.50	2.27	57.66	2.79	70.87	1.86	47.24	1.02	25.78
36	36	2.62	66.55	2.39	60.71	2.91	73.91	1.98	50.29	1.19	30.15
40	40	2.68	68.07	2.52	64.01	3.04	77.22	2.10	53.34	1.22	30.99
44	44	3.00	76.20	2.77	70.36	3.29	83.57	2.36	59.94	1.50	38.10
48	48	3.50	88.90	2.89	73.41	3.41	86.61	2.48	62.99	1.63	41.28

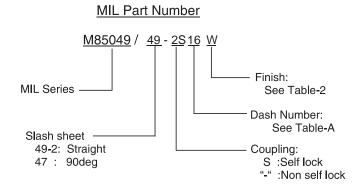
#### **Connector Group - K**

Straight, 90°









MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE SE – II / I	A DIA.	DIA. (MAX) B		(MAX)	C (N	/IAX)	D (N	IAX)	E (N	/IAX)	F (N	IAX)
DASH NO.	<b>52</b> /1	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	мм
08	8/9	0.75	19.05	0.86	21.82	0.91	23.11	0.85	21.59	1.10	27.94	1.15	29.21
10	10 / 11	0.85	21.59	0.98	24.99	0.91	23.11	0.90	22.86	1.10	27.94	1.15	29.21
12	12 / 13	1.00	25.40	1.16	29.36	1.01	25.65	1.10	27.94	1.20	30.48	1.25	31.75
14	14 / 15	1.10	27.94	1.28	32.54	1.06	26.92	1.15	29.21	1.25	31.75	1.30	33.02
16	16 / 17	1.25	31.75	1.41	35.71	1.16	29.46	1.30	33.02	1.36	34.44	1.40	35.56
18	18 / 19	1.40	35.56	1.52	38.51	1.41	35.81	1.50	38.10	1.60	40.64	1.65	41.91
20	20 / 21	1.50	38.10	1.64	41.68	1.51	38.35	1.60	40.64	1.70	43.21	1.75	44.45
22	22 / 23	1.65	41.91	1.77	44.86	1.66	42.16	1.70	43.18	1.85	46.99	1.90	48.26
24	24 / 25	1.75	44.45	1.89	48.03	1.76	44.70	1.80	45.72	1.95	49.56	2.00	50.80

**Table Continued** 

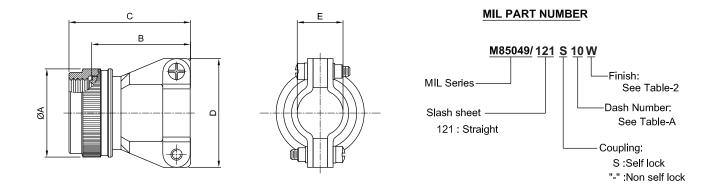
# **Amphenol**

## **Strain Relief Clamp**

**Connector Group - K** 

MIL PART													
NUMBER DESIGNATOR	SHELL SIZE SE – II / I	G (N	IAX)	H (N	MAX)	J (N	IAX)	K(N	IAX)	14	CABLE	ENTRY	(
DASH NO.	3E-11/1	INCH	ММ	INCH	мм	INCH	мм	INCH	ММ	М	IN	M	AX
DASH NO.		INCH	IVIIVI	INCH	IVIIVI	INCH	IVIIVI	INCH	IVIIVI	INCH	MM	INCH	MM
08	8/9	1.32	33.53	0.77	19.61	1.38	35.05	1.00	25.40	0.10	2.49	0.23	5.94
10	10 / 11	1.36	34.65	0.80	20.40	1.38	35.05	1.10	27.94	0.15	3.89	0.23	5.94
12	12 / 13	1.44	36.53	0.87	22.00	1.46	37.08	1.10	27.94	0.19	4.83	0.33	8.33
14	14 / 15	1.48	37.59	0.93	23.57	1.63	41.40	1.25	31.75	0.26	6.60	0.46	11.61
16	16 / 17	1.59	40.28	0.99	25.17	1.80	45.72	1.30	33.02	0.28	7.19	0.61	15.60
18	18 / 19	1.70	43.28	1.11	28.19	1.82	46.23	1.35	34.29	0.33	8.26	0.63	16.10
20	20 / 21	1.75	44.40	1.17	29.77	1.90	48.26	1.60	40.64	0.34	8.71	0.70	17.73
22	22 / 23	1.79	45.52	1.24	31.37	2.04	51.82	1.75	44.45	0.38	9.68	0.82	20.90
24	24 / 25	1.84	46.63	1.30	32.94	2.15	54.61	1.85	46.99	0.42	10.62	0.85	21.67

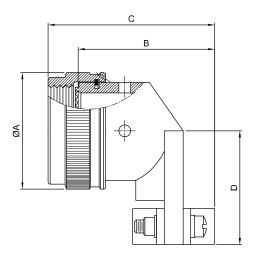
**Connector Group - K** 

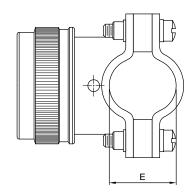


				TABL	E – A						
MIL PART NUMBER	CONNECTOR	A DIA	(MAX)	B LEN	IGTH	C (I	MAX )	D DIA.	(MAX)	E. ( CL	OSED)
DESIGNATOR	SHELL SIZE	, , , ,	( )			• • • •	,		( )	±.031	±.787
DASH NO		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
80	08	0.86	21.79	0.77/0.51	19.56/12.95	1.01	25.65	0.88	22.35	0.22	5.56
10	10	0.98	24.99	0.89/0.64	22.61/16.26	1.13	28.70	0.94	23.88	0.26	6.71
12	12	1.16	29.39	1.01/0.76	25.65/19.30	1.25	31.75	1.12	28.45	0.34	8.74
14	14	1.28	32.49	1.01/0.76	25.65/19.30	1.25	31.75	1.19	30.23	0.46	11.68
16	16	1.41	35.71	1.13/0.88	28.70/22.35	1.37	34.80	1.44	36.58	0.55	13.84
18	18	1.52	38.51	1.38/1.13	35.05/28.70	1.62	41.15	1.56	39.62	0.62	15.62
20	20	1.64	41.71	1.51/1.25	38.35/31.75	1.75	44.45	1.69	42.93	0.69	17.53
22	22	1.77	44.91	1.62/1.38	41.15/35.05	1.87	47.50	1.75	44.45	0.78	19.81
24	24	1.87	47.47	1.76/1.51	44.70/38.35	2.00	50.80	1.88	47.75	0.85	21.59

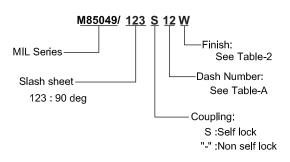
**Connector Group - K** 

90°





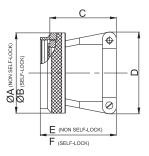
#### **MIL PART NUMBER**

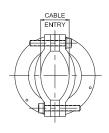


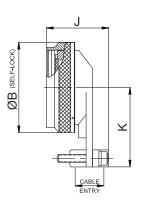
				TABL	E – A						
MIL PART NUMBER	CONNECTOR	A DIA	(MAX)	B(N	MAX )	C.( N	ΙΔΧ )	D ( N	MAX)	E. ( CL	OSED)
DESIGNATOR	SHELL SIZE	/ ( ) ( )	( 100 0 )	J.(		J.(	,,,,	J.(		±.031	±.787
DASH NO		INCH			MM	INCH	MM	INCH	MM	INCH	MM
08	8	0.86	21.79	0.86	21.84	1.10	27.94	0.81	20.57	0.22	5.56
10	10	0.98	24.99	0.94	23.88	1.18	29.97	0.87	22.10	0.26	6.71
12	12	1.16	29.39	1.14	28.96	1.38	35.05	0.93	23.62	0.34	8.74
14	14	1.28	32.49	1.20	30.48	1.44	36.58	0.99	25.15	0.46	11.68
16	16	1.41	35.71	1.34	34.04	1.58	40.13	1.06	26.92	0.55	13.84
18	18	1.52	38.51	1.46	37.08	1.70	43.18	1.23	31.24	0.62	15.62
20	20	1.64	41.71	1.58	40.13	1.82	46.23	1.30	33.02	0.70	17.73
22	22	1.77	44.91	1.71	43.43	1.95	49.53	1.36	34.54	0.78	19.81
24	24	1.87	47.47	1.83	46.48	2.07	52.58	1.42	36.07	0.85	21.59

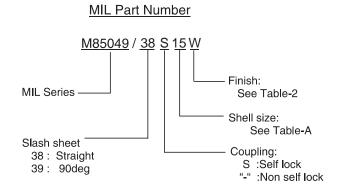
#### **Connector Group - L**

Straight, 90°









NOTE: \* For more cable entry and length options, contact factory

					TABLE	- A							
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE/CODE	A DIA. (	(MAX)	B DIA.	(MAX)	C (N	IAX)	D (N	IAX)	E (N	IAX)	F (N	IAX)
CONNECTOR	(REF.)			MM INOU		INIOU	2424	INIOU		INIOU		INION	
SHELL SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
9	09 / A	0.75	19.05	0.86	21.82	0.91	23.11	0.85	21.59	1.10	27.94	1.21	30.73
11	11 / B	0.85	21.59	0.98	24.99	0.91	23.11	0.90	22.86	1.10	27.94	1.21	30.73
13	13 / C	1.00	25.40	1.16	29.36	1.01	25.65	1.10	27.94	1.20	30.48	1.31	33.27
15	15 / D	1.10	27.94	1.28	32.54	1.06	26.92	1.15	29.21	1.25	31.75	1.35	34.29
17	17 / E	1.25	31.75	1.41	35.71	1.16	29.46	1.30	33.02	1.36	34.44	1.45	36.83
19	19 / F	1.40	35.56	1.52	38.51	1.41	35.81	1.50	38.10	1.60	40.64	1.71	43.43
21	21 / G	1.50	38.10	1.64	41.68	1.51	38.35	1.60	40.64	1.70	43.21	1.81	45.97
23	23 / H	1.65	41.91	1.77	44.86	1.66	42.16	1.70	43.18	1.85	46.99	1.95	49.53
25	25 / J	1.75	44.45	1.89	48.03	1.76	44.70	1.80	45.72	1.95	49.56	2.05	52.07

**Table Continued** 

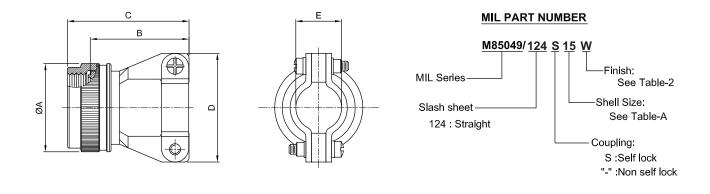
# **Amphenol**

#### **Strain Relief Clamp**

**Connector Group - L** 

			TABL	E - A					
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE/CODE	J (M	IAX)	K (N	IAX)	(	CABLE	ENTRY	,
CONNECTOR	(REF.)					M	IN	M	ΔX
SHELL SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM
09	09 / A	1.31	33.27	1.00	25.40	0.10	2.49	0.23	5.94
11	11 / B	1.31	33.27	1.10	27.94	0.15	3.89	0.23	5.94
13	13 / C	1.51	38.35	1.10	27.94	0.19	4.83	0.33	8.33
15	15 / D	1.55	39.37	1.25	31.75	0.26	6.60	0.46	11.61
17	17 / E	1.71	43.43	1.30	33.02	0.28	7.19	0.61	15.60
19	19 / F	1.81	45.97	1.35	34.29	0.33	8.26	0.63	16.10
21	21 / G	1.95	49.53	1.60	40.64	0.34	8.71	0.70	17.73
23	23 / H	2.10	53.34	1.75	44.45	0.38	9.68	0.82	20.90
25	25 / J	2.21	56.13	1.85	46.99	0.42	10.62	0.85	21.67

**Connector Group - L** 

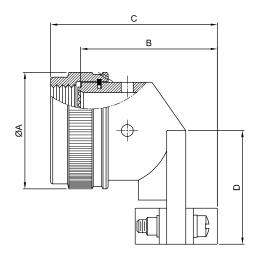


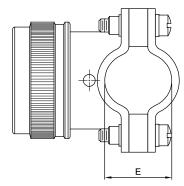
MIL PART NUMBER	CONNECTOR	A DIA.(	A DIA.( MAX )		NGTH	C.( N	IAX)	D.(1	MAX)	E. ( CL	
DESIGNATOR CONNECTOR SHELL SIZE		INCH	ММ	INCH	ММ	INCH	MM	INCH	MM	±.031	±.787 MM
09	9/A	0.86	21.79	0.77/0.51	19.56/12.95	1.01	25.65	0.88	22.35	0.22	5.56
11	11/B	0.98	24.99	0.89/0.64	22.61/16.26	1.13	28.70	0.94	23.88	0.26	6.71
13	13/C	1.16	29.39	1.01/0.76	25.65/19.30	1.25	31.75	1.12	28.45	0.34	8.74
15	15/D	1.28	32.49	1.01/0.76	25.65/19.30	1.25	31.75	1.19	30.23	0.46	11.68
17	17/E	1.41	35.71	1.13/0.88	28.70/22.35	1.37	34.80	1.44	36.58	0.55	13.84
19	19/F	1.52	38.51	1.38/1.13	35.05/28.70	1.62	41.15	1.56	39.62	0.62	15.62
21	21/G	1.64	41.71	1.51/1.25	38.35/31.75	1.75	44.45	1.69	42.93	0.69	17.53
23	23/H	1.77	44.91	1.62/1.38	41.15/35.05	1.87	47.50	1.75	44.45	0.78	19.81
25	25/J	1.87	47.47	1.76/1.51	44.70/38.35	2.00	50.80	1.88	47.75	0.85	21.59

## **Strain Relief Clamp**

**Connector Group - L** 

90°





# MIL PART NUMBER M85049/ 126 S 15 W Finish: See Table-2 Slash sheet 126:90 deg Coupling: S: Self lock "-": Non self lock

				T/	BLE – A						
MIL PART NUMBER	CONNECTOR	A DIA	(MAX)	B(I	MAX)	C.( N	1 <b>A</b> X )	D.( M	Δ <b>Χ</b> )	E. ( CL	OSED)
DESIGNATOR	CONNECTOR SHELL SIZE	A DIA.	INCH MM INCH MM		iiAX )	0.( 11	iAX )	D.( W	AX )	±.031	±.787
CONNECTOR SHELL SIZE	/CODE REF	INCH			ММ	INCH	мм	INCH	ММ	INCH	ММ
09	9/A	0.86	21.79	0.86	21.84	1.14	28.96	0.81	20.57	0.22	5.56
11	11/B	0.98	24.99	0.94	23.88	1.22	30.99	0.87	22.10	0.26	6.71
13	13/C	1.16	29.39	1.14	28.96	1.42	36.07	0.93	23.62	0.34	8.74
15	15/D	1.28	32.49	1.20	30.48	1.48	37.59	0.99	25.15	0.46	11.68
17	17/E	1.41	35.71	1.34	34.04	1.62	41.15	1.09	27.69	0.55	13.84
19	19/F	1.52	38.51	1.46	37.08	1.74	44.20	1.23	31.24	0.62	15.62
21	21/G	1.64	41.71	1.58	40.13	1.86	47.24	1.30	33.02	0.70	17.73
23	23/H	1.77	44.91	1.71	43.43	1.99	50.55	1.36	34.54	0.78	19.81
25	25/J	1.87	47.47	1.83	46.48	2.11	53.59	1.42	36.07	0.85	21.59

# **GROMMET NUT**

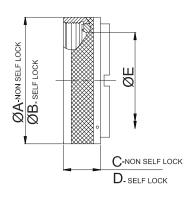


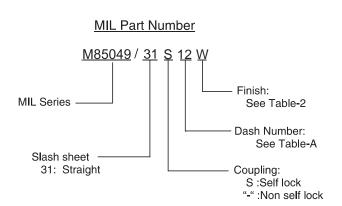
Amphenol Back Nut provide a good grommet-holding force for the crimp Connector, when expensive and heavy back shells are not used. Such holding force is essential to hold the contacts and grommet in place when terminated with wire bundles.

For Connector Group		Page No.
J	$\Rightarrow$	XI-1
K	$\rightarrow$	XI-2
L	$\rightarrow$	XI-3

Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)

**Connector Group - J** 



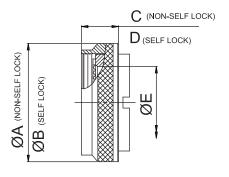


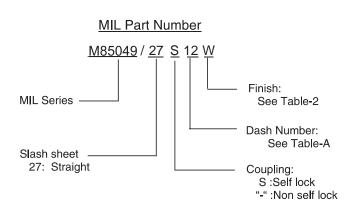
NOTE: \* Slot shown in figure is optional for Non self-lock

TABLE - A											
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE SIZE	A DIA	DIA. (MAX) B DIA. (MAX) C (MAX)		D (MAX)		E (MAX)				
DASH NO.	SIZE	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	MM
8	8	0.62	15.67	0.89	22.48	0.54	13.72	0.71	18.03	0.27	6.86
10	10	0.73	18.64	1.01	25.65	0.54	13.72	0.71	18.03	0.38	9.53
12	7/12	0.86	21.79	1.14	28.83	0.54	13.72	0.71	18.03	0.51	12.98
14	12/14	0.98	24.99	1.26	32.00	0.54	13.72	0.71	18.03	0.59	14.86
16	19/16	1.11	28.24	1.39	35.18	0.54	13.72	0.71	18.03	0.71	18.03
18	27/18	1.22	30.94	1.51	38.35	0.54	13.72	0.71	18.03	0.79	20.04
20	37/20	1.35	34.16	1.64	41.53	0.54	13.72	0.71	18.03	0.91	23.22
22	22	1.47	37.29	1.76	44.70	0.54	13.72	0.71	18.03	1.04	26.39
24	24	1.59	40.46	1.89	47.88	0.54	13.72	0.71	18.03	1.15	29.31
28	28	1.97	50.01	2.14	54.23	0.70	17.83	0.89	22.61	1.39	35.28
32	32	2.22	56.36	2.40	60.83	0.70	17.83	0.89	22.61	1.64	41.53
36	36	2.47	62.71	2.64	66.93	0.70	17.83	0.89	22.61	1.85	46.99
40	40	2.72	69.06	2.89	73.28	0.70	17.83	0.89	22.61	2.07	52.45
44	44	2.97	75.41	3.14	79.63	0.70	17.83	0.89	22.61	2.32	58.93
48	48	3.22	81.76	3.39	85.98	0.70	17.83	0.89	22.61	2.57	65.28

#### **Grommet Nut**

**Connector Group - K** 

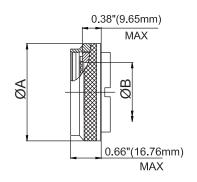


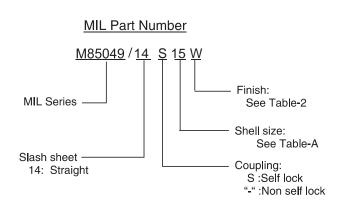


NOTE: \* Slot shown in figure is optional for Non self-lock

	TABLE - A										
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	A DIA. (MAX)		X) B DIA. (MAX)		C (MAX)		D (MAX)		E DIA. (MAX)	
DASH NO.	SE – II / I	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
8	8/9	0.75	19.05	0.86	21.82	0.54	13.72	0.59	14.99	0.27	6.86
10	10 / 11	0.85	21.59	0.98	24.99	0.54	13.72	0.59	14.99	0.41	10.41
12	12 / 13	1.00	25.40	1.16	29.36	0.54	13.72	0.59	14.99	0.53	13.46
14	14 / 15	1.10	27.94	1.28	32.54	0.54	13.72	0.59	14.99	0.65	16.51
16	16 / 17	1.25	31.75	1.41	35.71	0.54	13.72	0.59	14.99	0.78	19.81
18	18 / 19	1.40	35.56	1.52	38.51	0.54	13.72	0.59	14.99	0.88	22.35
20	20 / 21	1.50	38.10	1.64	41.68	0.54	13.72	0.59	14.99	1.01	25.65
22	22 / 23	1.65	41.91	1.77	44.86	0.54	13.72	0.59	14.99	1.13	28.70
24	24 / 25	1.75	44.45	1.89	48.03	0.54	13.72	0.59	14.99	1.26	32.00

**Connector Group - L** 





NOTE: \* Slot shown in figure is optional for Non self-lock

TABLE - A								
MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE/CODE	A DIA	. (MAX)	B DIA. (MIN)				
CONNECTOR	(REF.)							
SHELL SIZE		INCH	MM	INCH	MM			
9	09 / A	0.86	21.79	0.26	6.71			
11	11 / B	0.98	24.99	0.39	9.91			
13	13 / C	1.16	29.39	0.50	12.80			
15	15 / D	1.28	32.49	0.63	16.00			
17	17 / E	1.41	35.71	0.76	19.20			
19	19 / F	1.52	38.51	0.84	21.41			
21	21 / G	1.64	41.71	0.97	24.64			
23	23 / H	1.77	44.91	1.09	27.71			
25	25 / J	1.89	47.98	1.22	30.91			

#### **APPENDIX - 1**

CROSS	CROSS REFERENCE TO MIL SERIES					
MIL SERIES	AMPHENOL SERIES	PAGE				
M85049/ 6	BV1BRJ	IV-5				
M85049/ 7	BE1BRJ	II-8				
M85049/ 8	BV1ARJ	IV-5				
M85049/ 9	BE1ARJ	II-8				
M85049/10	BV1SRJ	IV-1				
M85049/11	BE1SRJ	II-1				
M85049/14	BG1SRL	XII-3				
M85049/15	BQ1BRL	X-3				
M85049/16	BQ1ARL	X-3				
M85049/17	BV1SDK	IV-9				
M85049/18	BV1SRL	IV-14				
M85049/19	BM1SRL	III-13				
M85049/20	BC2SRL	VI-5				
M85049/21	BN1SRL	I-12				
M85049/23	BM1BRJ	III-4				
M85049/24	BM1ARJ	III-4				
M85049/25	BM1SRJ	III-1				
M85049/26-1	BC2SRJ	VI-1				
M85049/26-2	BC3XXX	VI-1				
M85049/26 <b>-</b> 3	BC1SRJ	VI-1				
M85049/27	BG1SRK	XII-2				
M85049/29	BN1SDK	I-7				
M85049/31	BG1SRJ	XII-1				
M85049/33 <b>-</b> 2	BC2SRK	VI-3				
M85049/36	BM1SDK	III-8				
M85049/38	BS1SRL	XI-5				
M85049/39	BS1ARL	XI-5				
M85049/42	-	-				
M85049/43	BS1BRJ	XI-1				
M85049/47	BS1ARK	XI-3				
M85049/49 <b>-</b> 2	BS1SRK	XI-3				
M85049/51	BS1ARJ	XI-1				
M85049/52	BS1SRJ	XI-1				
M85049/53	BQ1SRJ	X-1				
M85049/54	BQ1BRJ	X-1				
M85049/55	BQ1ARJ	X-1				
M85049/56	BQ1SRK	X-2				
M85049/57	BQ1BRK	X-2				
M85049/60-1	BB1SRJ	V-1				
M85049/60 <b>-</b> 2	BB2SRJ	-				
M85049/62	BB1SRK	V-3				
M85049/63	BQ1ARK	X-2				
M85049/69	BB1SRL	V-5				
M85049/76	BV1ARK	IV-12				
M85049/77	BV1BRK	IV-12				
M85049/78	BV1BRL	IV-18				
M85049/79	BV1ARL	IV-18				
M85049/82	BL1SSJ	VII-1				
M85049/83	BL1BSJ	VII-1				
M85049/84	BL1ASJ	VII-1				
M85049/85	BL1SSK	VII-2				
M85049/86	BL1BSK	VII-2				
M85049/87	BL1ASK	VII-2				
M85049/88	BL1SSL	VII-3				

CROSS REFERENCE TO MIL SERIES					
MIL SERIES	MIL SERIES AMPHENOL SERIES				
M85049/89	BL1BSL	VII-3			
M85049/90	BL1ASL	VII-3			
M85049/109	BH1SRJ	VIII-1			
M85049/111	BH1ARJ	VIII-1			
M85049/112	BH1SRK	VIII-3			
M85049/114	BH1ARK	VIII-3			
M85049/115	BH1SRL	VIII-5			
M85049/117	BH1ARL	VIII-5			

**NOTE:** QPL Qualification status of each item shown in this catalogue may be changing and therefore please check with us or refer "Qualified Product List" to know our exact qualification status at any time. A valid offer for a MIL part Number at any time from Amphenol will only constitute our claim of approval validity.

#### **CONTACTS**

#### **NORTH AMERICA**

Sales & Product support

Amphenol PCD 72 Cherry Hill Drive Beverly, MA 01915 USA Tel: +1-978-624-3400 Fax: +1-978-927-1513 info@amphenolpcd.com www.amphenolpcd.com

**Amphenol Aerospace Operations** 40-60, Delaware Avenue Sidney, NY 13838-1395 Tel: +1-607-563-5011 Fax: +1-607-563-5357

Amphenol Canada Meford Drive Scarborough, ON MIB 2X6

Www.backshellworld.com

Tel: +416-291-4401 Fax: +416-292-0647 Amphenol Fiber Systems International 1300 Central Expressway North Suite 100 Allen, Texas 75013, USA

Tel: +1-214-547-2400 Fax: +1-214-547-9344

#### **EUROPE**

France

Amphenol Socapex S.A.S. 948.Promenade de l'Arve Bp29, Thyez Cedex 74311, France Tel: +33-4-5089-2800

Fax: +33-4-5096-1941

Amphenol Air-LB Immeuble Le Doublon 11. Avenue Dobonnet Courbevoice-Cedex 92407, France

Ph: +33-1-4905-3000 Fax: +33-1-4905-3043

Holland **Amphenol Benelux** Zadelmaker 121 NL-2401 PD Alphen aan den Rijn Holland

Tel:+31-172-444903 Fax:+31-172 240254 **United Kingdom** Amphenol Limited Thanet Way, Whitstable Kent CT5 3JF, England Tel: +44-1227-773-200

Fax: 44-1227-276-571

Via Barbaiana 5 20020 Lainate (Milano) Tel:+39-02-93254.209

+39-02-93254.214 Fax:+39-02-93254-444

Sweden

Amphenol-(Nordic&Baltic) Ängsullsvägen 7 S-187 51 Täby. Sweden

Tel: +46-85-1051816 +46-76-8418600 Fax: +46-70- 2634677 +46-70-2203197

Germany

Amphenol-Air LB GmbH Am Kleinbahnhof 4 Saarlouis

D-66740, Germany Tel: 49-6831-9810-00 Fax: 49-6831-9810-30

<u>Spain</u>

Amphenol Iberica Edificio Burgosol Oficina N 55 C/Comunidad de Madrid 35 bis - Las Rozas (Madrid) Tel: +34-91-6407302

+34-91-6407306 Fax:+34-91-6407307

Center & East Europe Amphenol Wiener Gasse 68 2380 Perchtoldsdorf Tel: +43-699-10396071

Fax: +43 699 40396071

#### **ASIA**

India

Amphenol Interconnect India Pvt. Ltd.

61 Electronics City Bangalore-560 100, India Ph: +9180-2852-3838 Fax: +9180-2852-0418

Amphenol Interconnect India Pvt Ltd

105 Bhosari Industrial Area

Pune-411026,India Tel: +9120-3068-8305 Fax:+9120-2712-9158 Japan

Amphenol Japan 471-1, Deba, Ritto City Shiga 520-3041, Japan Tel: +81-77-553-8501

Fax: +81-77-551-2200

<u>Singapore</u>

Amphenol East Asia Ltd. 72 Bendemeer Road # 03-33 Luzerne Singapore 339 941 Tel: 65-6294-2128

Fax: 65-6294-3522

China

Amphenol PCD Shenzhen 3/F Building, A4 Songbai Industrial Park

East Road of Minghuan Gongming Town,Baon District

Shenchen, China

Tel: +86-755-8173-8000 Fax: +86-755-8173-8180 Korea

Amphenol Daeshin Electronics 558 SoSa, SongNae,Bucheon-City Kyunggi-Do,Korea 420-130

Tel: +82-32-610-3800 Fax: +92-32-673-2507

#### **ROW**

Australia

Amphenol Australia Pty Ltd 2 Fiveways Boulevard Keysborough VIC 3173

Ph: +61-3-8796-8888 Fax: +61-3-8796-8801 Africa

Amphenol South Africa 30 Impala Road 2196 Sandton-Chistlehurston

South Africa

Tel: +27-11-783-9517 Fax: +27-11-783-9519 Russia

Amphenol Russia 8-2 Yaroslavskaja Str 129164 Moscow, Russia Tel: +7-495-937-6341

Fax: +7-495-937-6319

Poland

**Amphenol Poland** 

Maslak

34396 Istanbul

Tel: +90-212-335-2501 Fax: +90-212-335-2500 <u>Israel</u>

Bar-Tec Ltd. P.O. Box 279

Kfar Sava, 44102 Israel Tel: +972-9-7644100 Fax: +972-9-7674324

**Brasil** 

Amphenol do Brasil Ltda Rua Diogo Moreira 132 CEP 05423-010 Sao Paulo-SP, Brazil Tel: +55-11-3815-1003

Fax: +55-11-3815-1629

**Argentina** 

Amphenol Argentina Avenida Callao 930 2<sup>nd</sup> Floor, Office B Plaza C1023AAP Buenos Aires

Argentina

Tel: 54-11-4815-6886 Fax: 54-11-4814-5779

Email: sales@backshellworld.com Website: www.backshellworld.com

# Amphenol A Global Company



To design your own Backshell log on to

www.backshellworld.com

email: sales@backshellworld.com