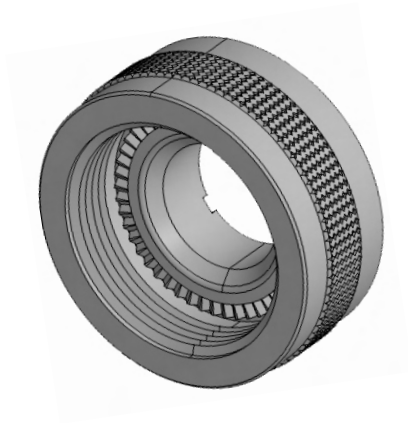


GROMMET NUT



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.

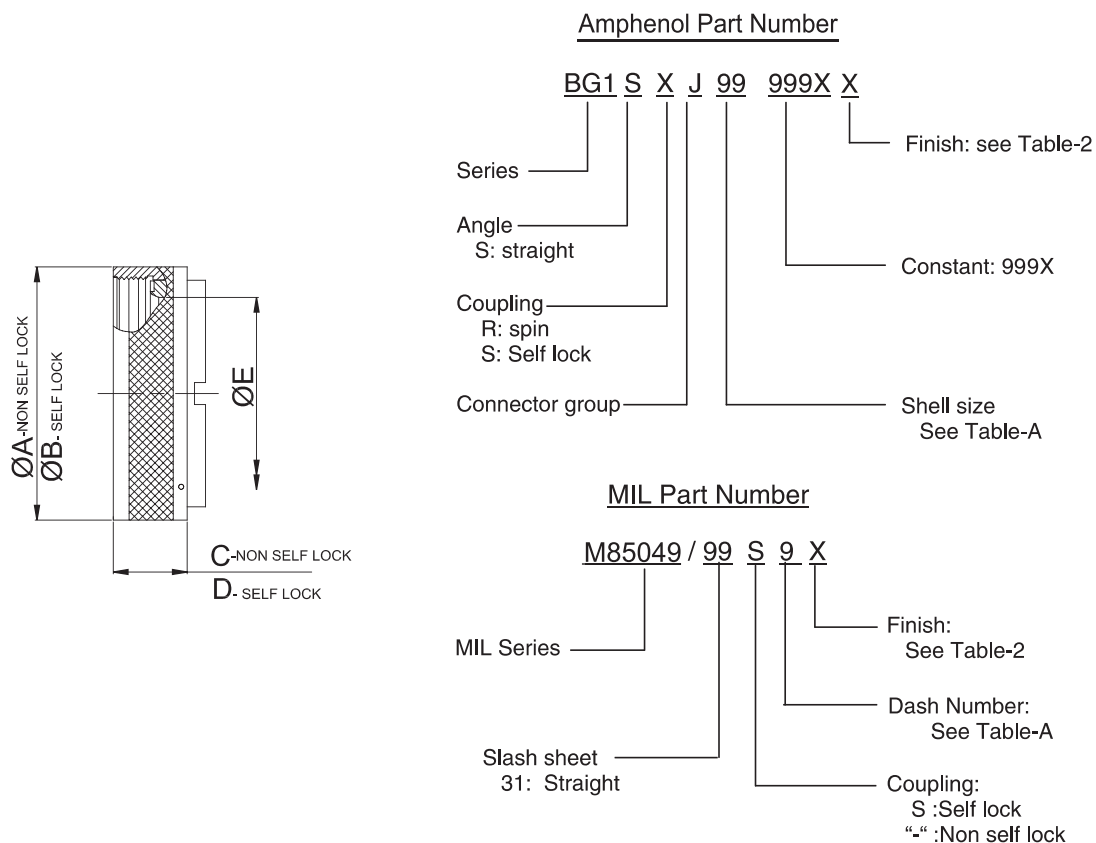
For Connector Group		Page No.
J	→	XII-1
K	→	XII-2
L	→	XII-3
M	→	XII-4
N	→	XII-5

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)



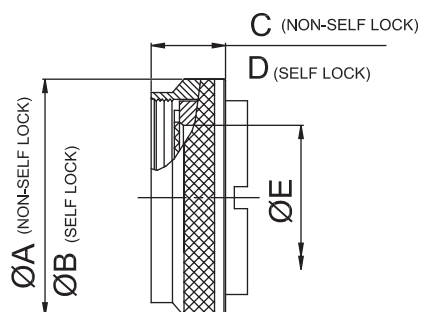
Connector Group - J

Straight

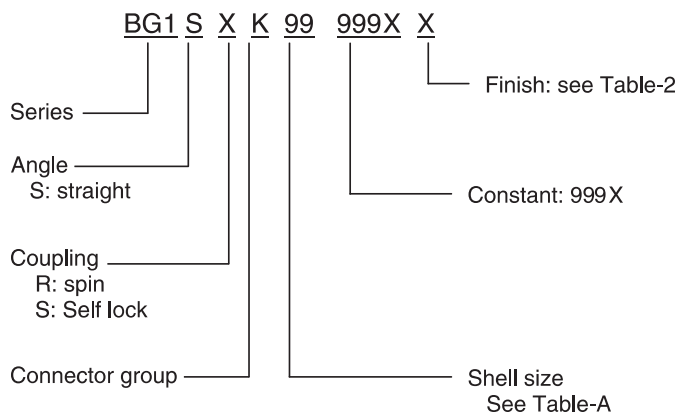


NOTE: * Slot shown in figure is optional for Non self-lock

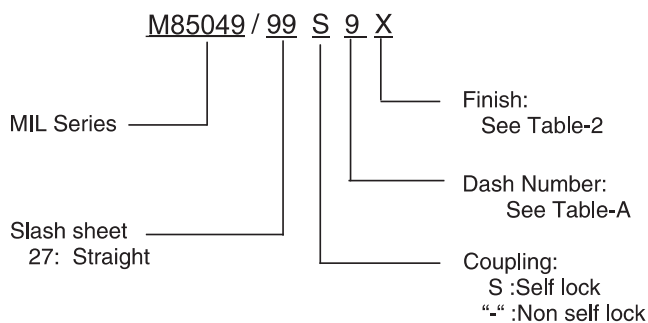
TABLE - A												
AMPHENOL PART NUMBER DESIGNATOR	MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE SIZE	A DIA. (MAX)		B DIA. (MAX)		C (MAX)		D (MAX)		E (MAX)	
SHELL SIZE	DASH NO.		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	08	8	0.62	15.67	0.89	22.48	0.54	13.72	0.71	18.03	0.27	6.86
10	10	10	0.73	18.64	1.01	25.65	0.54	13.72	0.71	18.03	0.38	9.53
12	12	7/12	0.86	21.79	1.14	28.83	0.54	13.72	0.71	18.03	0.51	12.98
14	14	12/14	0.98	24.99	1.26	32.00	0.54	13.72	0.71	18.03	0.59	14.86
16	16	19/16	1.11	28.24	1.39	35.18	0.54	13.72	0.71	18.03	0.71	18.03
18	18	27/18	1.22	30.94	1.51	38.35	0.54	13.72	0.71	18.03	0.79	20.04
20	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	22	1.47	37.29	1.76	44.70	0.54	13.72	0.71	18.03	1.04	26.39
24	24	24	1.59	40.46	1.89	47.88	0.54	13.72	0.71	18.03	1.15	29.31
28	28	28	1.97	50.01	2.14	54.23	0.70	17.83	0.89	22.61	1.39	35.28
32	32	32	2.22	56.36	2.40	60.83	0.70	17.83	0.89	22.61	1.64	41.53
36	36	36	2.47	62.71	2.64	66.93	0.70	17.83	0.89	22.61	1.85	46.99
40	40	40	2.72	69.06	2.89	73.28	0.70	17.83	0.89	22.61	2.07	52.45
44	44	44	2.97	75.41	3.14	79.63	0.70	17.83	0.89	22.61	2.32	58.93
48	48	48	3.22	81.76	3.39	85.98	0.70	17.83	0.89	22.61	2.57	65.28



Amphenol Part Number



MIL Part Number



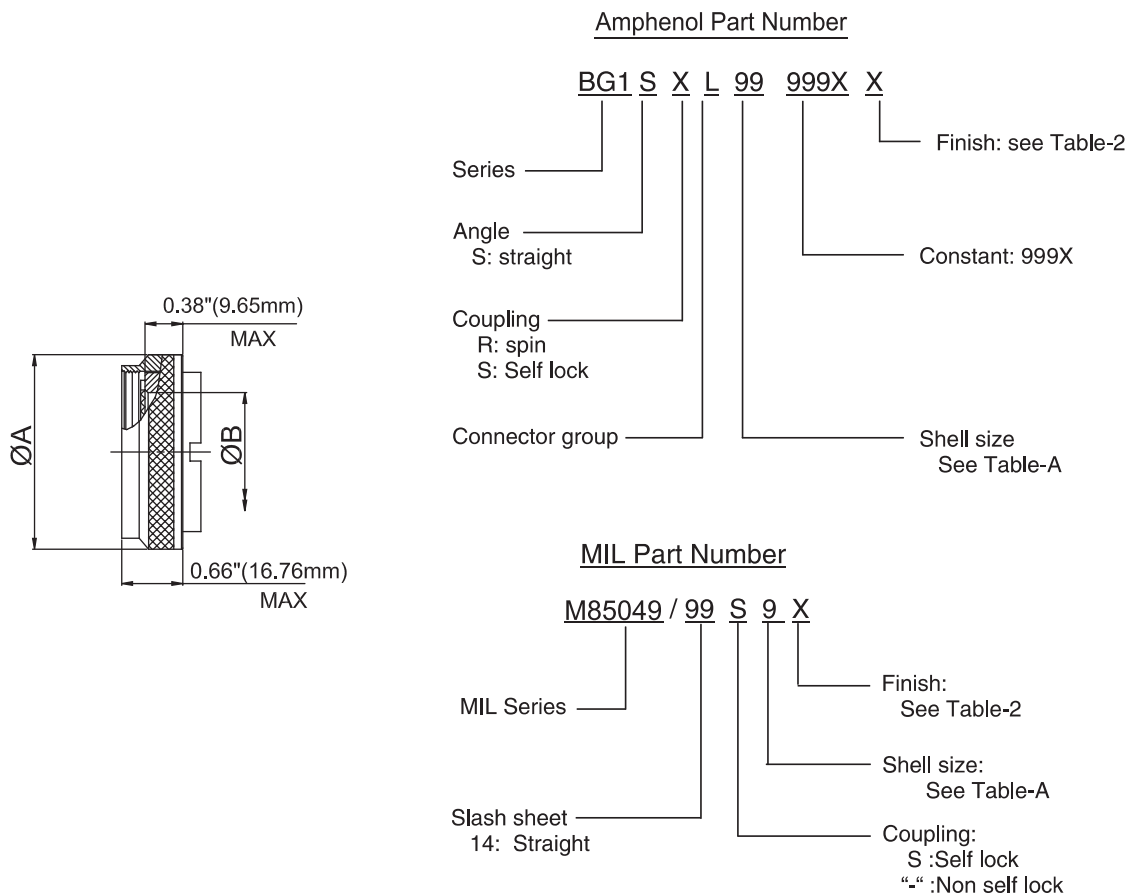
NOTE: * Slot shown in figure is optional for Non self-lock

TABLE - A

AMPHENOL PART NUMBER DESIGNATOR	MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE SE - II / I	A DIA. (MAX)		B DIA. (MAX)		C (MAX)		D (MAX)		E DIA. (MAX)	
			INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	08	8 / 9	0.75	19.05	0.86	21.82	0.54	13.72	0.59	14.99	0.27	6.86
10	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	12 / 13	1.00	25.40	1.16	29.36	0.54	13.72	0.59	14.99	0.53	13.46
14	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	16 / 17	1.25	31.75	1.41	35.71	0.54	13.72	0.59	14.99	0.78	19.81
18	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	20 / 21	1.50	38.10	1.64	41.68	0.54	13.72	0.59	14.99	1.01	25.65
22	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	24 / 25	1.75	44.45	1.89	48.03	0.54	13.72	0.59	14.99	1.26	32.00

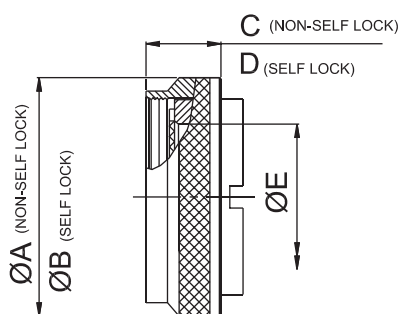
Connector Group - L

Straight

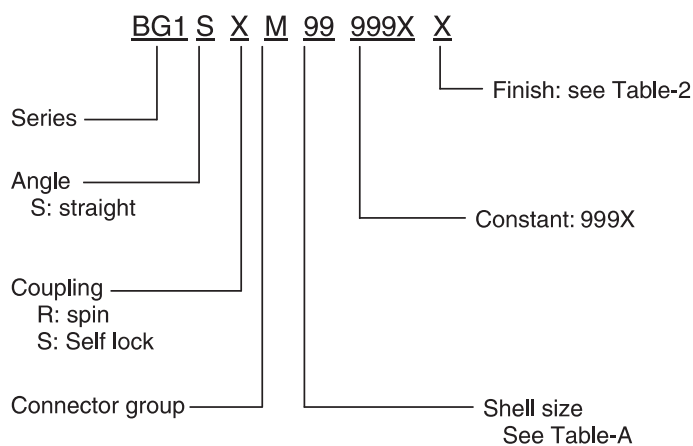


NOTE: * Slot shown in figure is optional for Non self-lock

TABLE - A						
AMPHENOL PART NUMBER DESIGNATOR	MIL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE/CODE (REF.)	A DIA. (MAX)		B DIA. (MIN)	
SHELL SIZE	CONNECTOR SHELL SIZE		INCH	MM	INCH	MM
08	09	09 / A	0.86	21.79	0.26	6.71
10	11	11 / B	0.98	24.99	0.39	9.91
12	13	13 / C	1.16	29.39	0.50	12.80
14	15	15 / D	1.28	32.49	0.63	16.00
16	17	17 / E	1.41	35.71	0.76	19.20
18	19	19 / F	1.52	38.51	0.84	21.41
20	21	21 / G	1.64	41.71	0.97	24.64
22	23	23 / H	1.77	44.91	1.09	27.71
24	25	25 / J	1.89	47.98	1.22	30.91



Amphenol Part Number

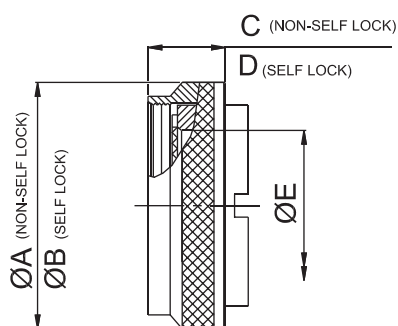


NOTE: * Slot shown in figure is optional for Non self-lock

TABLE - A											
AMPHENOL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	A DIA. (MAX)		B DIA. (MAX)		C (MAX)		D (MAX)		E DIA. (MAX)	
SHELL SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	8	0.75	19.05	0.86	21.82	0.54	13.72	0.59	14.99	0.27	6.86
10	10	0.85	21.59	0.98	24.99	0.54	13.72	0.59	14.99	0.41	10.41
12	12	1.00	25.40	1.16	29.36	0.54	13.72	0.59	14.99	0.53	13.46
14	14	1.10	27.94	1.28	32.54	0.54	13.72	0.59	14.99	0.65	16.51
16	16	1.25	31.75	1.41	35.71	0.54	13.72	0.59	14.99	0.78	19.81
18	18	1.40	35.56	1.52	38.51	0.54	13.72	0.59	14.99	0.88	22.35
20	20	1.50	38.10	1.64	41.68	0.54	13.72	0.59	14.99	1.01	25.65
22	22	1.65	41.91	1.77	44.86	0.54	13.72	0.59	14.99	1.13	28.70
24	24	1.75	44.45	1.89	48.03	0.54	13.72	0.59	14.99	1.26	32.00

Connector Group - N

Straight



Amphenol Part Number

BG1 S X N 99 999X X
 Series ——— BG1
 Angle ——— S
 S: straight
 Coupling ——— X
 R: spin
 S: Self lock
 Connector group ——— N
 99
 999X
 X
 Finish: see Table-2
 Constant: 999X
 Shell size
 See Table-A

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

TABLE - A											
AMPHENOL PART NUMBER DESIGNATOR	CONNECTOR SHELL SIZE	A DIA. (MAX)		B DIA. (MAX)		C (MAX)		D (MAX)		E DIA. (MAX)	
SHELL SIZE		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
08	8	0.75	19.05	0.86	21.82	0.54	13.72	0.59	14.99	0.27	6.86
10	10	0.85	21.59	0.98	24.99	0.54	13.72	0.59	14.99	0.41	10.41
12	12	1.00	25.40	1.16	29.36	0.54	13.72	0.59	14.99	0.53	13.46
14	14	1.10	27.94	1.28	32.54	0.54	13.72	0.59	14.99	0.65	16.51
16	16	1.25	31.75	1.41	35.71	0.54	13.72	0.59	14.99	0.78	19.81
18	18	1.40	35.56	1.52	38.51	0.54	13.72	0.59	14.99	0.88	22.35
20	20	1.50	38.10	1.64	41.68	0.54	13.72	0.59	14.99	1.01	25.65
22	22	1.65	41.91	1.77	44.86	0.54	13.72	0.59	14.99	1.13	28.70
24	24	1.75	44.45	1.89	48.03	0.54	13.72	0.59	14.99	1.26	32.00

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[M85049/27S24W](#) [M85049/31S14N](#) [M85049/31S24N](#) [M85049/31S28W](#) [M85049/14S11W](#) [M85049/14S15W](#)
[M85049/14S17W](#) [M85049/14S19W](#) [M85049/14S23W](#)