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SECTION 1 - MECHANICAL
STRAIN RELIEF, EMI / RFI, RCG SPRING,
ENVIRONMENTAL, LOW PROFILE
SAE AS85049 CATEGORY 1

E * *38

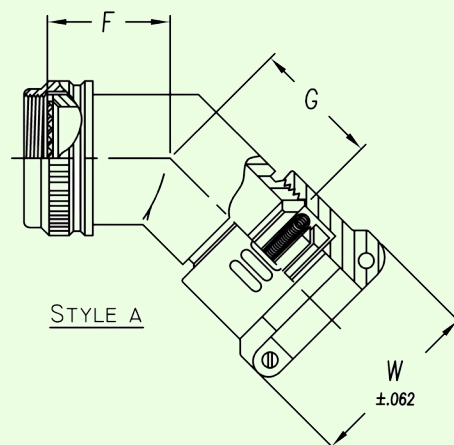
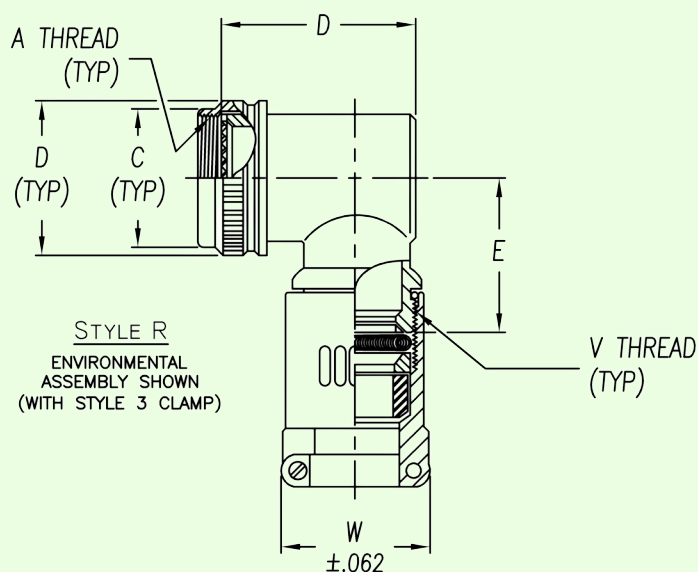
SHEET 1 OF 2

Add'l ENG Support Information

Table 2 - Cable Entry Data

ENTRY ORDER NUMBER	ENVIRONMENTAL GLAND RANGE		NON ENVIRONMENTAL CABLE RANGE		V UNIFIED THREAD
	MAX	MIN	MAX	MIN	
03	.250	.156	.250	.156	.500-28
04	.312	.188	.312	.188	.625-24
06	.438	.281	.438	.281	.750-20
08	.562	.375	.562	.344	.875-20
10	.625	.500	.625	.375	1.000-20
12	.750	.500	.750	.438	1.188-18
16	.938	.625	.938	.562	1.438-18
20	1.250	.938	1.250	.750	1.750-18
24	1.375	1.000	1.375	.781	2.000-18
28	1.625	1.250	1.625	.969	2.250-16
32	1.875	1.500	1.875	1.125	2.500-16

WHEN MAXIMUM CABLE ENTRY EXCEEDS THE
CONNECTOR INTERFACE DIAMETER, A 2 PIECE
ADAPTER WILL BE SUPPLIED.



ASSEMBLY PART NUMBER

TO ESTABLISH YOU P/N, USE THE FOLLOWING EXAMPLE

E 41 38 S 23 08 9 B 51

FUNCTION DESIGNATOR
E - EMI ADAPTER

CONNECTOR CODE NUMBER - TABLE 1 ⑥

SERIES PART NUMBER

ADAPTER STYLE
R = 90° ADAPTER
A = 45° ADAPTER

ACCESSORY ORDER NUMBER-TABLE 1

MOD CODE ⑥

PLATING CODE NUMBER-TABLE 4 ⑥

GLAND & O'RING MATERIAL OPTION
B - NEOPRENE & BUNA-N
S - SILICONE
N - NONE REQUIRED (NON ENVIROMENTAL)

CABLE STRAIN-TABLE V ⑧

CABLE ENTRY ORDER NUMBER-TABLE 2

REV B

Table 1 - Order Number Data

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SHEET 2 OF 2

Accessory Order Number By Connector Code & Shell Size

ORDER NUMBER	18 4	21	32 2	40 3	41	54	64	61	76	A UNIFIED THREAD	B MAX DIA.	C MAX DIA.	D (7) MAX DIM.	E MAX DIM.	F (7) ±.125 DIM.	G MAX DIM.	ORDER NUMBER
01	8S (B)									.375-32	.750	.531	1.031		.500		01
03	8S (A)									.438-27	.812	.594	1.094		.500		03
04	8S (C)	8			8, 9				8	.438-28	.812	.594	1.000	1.188	.750		04
05						8 & 8S				.500-20	.875	.656	.938		.719	1.062	05
06	10S (-)							8, A		.500-28	.875	.656	1.562		1.062		06
07				9, A						M12 x 1.0	.719	.656	.938	1.250	.500		07
08	10SL (C)	10			10, 11		3		10	.562-24	.844	.719	1.375		.750		08
10	10SL(A,B), 12, 12S(B,C)					10, 10S, 10SL		12		.625-24	1.000	.781	1.562		1.062		10
11								10, B		.625-28	1.000	.781	1.688	1.312	1.062	1.094	11
12				11, B						M15 x 1.0	.844	.781	1.125		.500		12
13	12 & 12S (A)	12		12, 13					12	.688-24	1.062	.844	1.500		.750		13
15	14 & 14S (-)		12			12 & 12S	7	14		.750-20	1.125	.906	1.812		.875		15
16				13, C						M18 x 1.0	.969	.906	1.188	1.375	.562	1.125	16
18		14			14, 15				14	.812-20	1.188	.969	1.500		.812		18
19	16 & 16S (-)		14			14 & 14S	12	16		.875-20	1.250	1.031	1.875		.750		19
20								14, D		.875-28	1.250	1.031	1.938	1.438	1.125		20
21				15, D						M22 x 1.0	1.094	1.031	1.312		.562		21
23		16			16, 17				16	.938-20	1.312	1.094	1.625		.875		23
24	18 (-)		16			16 & 16S	19	18		1.000-20	1.375	1.156	2.000		.719		24
25								16, E		1.000-28	1.375	1.156	2.062	1.500	1.156		25
26				17, E						M25 x 1.0	1.219	1.156	1.438		.594	1.188	26
28		18			18, 19	18	27		18	1.062-18	1.438	1.219	1.688		.875		28
29	20 (-)		18					20		1.125-18	1.500	1.281	2.156		.938		29
30	20 (R)									1.125-24	1.500	1.281	1.938	1.562	.625		30
31								18, F		1.125-28	1.500	1.281	2.125		1.188		31
32				19, F						M28 x 1.0	1.344	1.281	1.500		.625		32
34		20			20, 21	20	37		20	1.188-18	1.562	1.344	1.812		.875		34
35	22 (-)		20					22		1.250-18	1.625	1.406	2.250		.938		35
36								20, G		1.250-28	1.625	1.406	2.250	1.625	1.250	1.219	36
37				21, G						M31 x 1.0	1.469	1.406	1.625		.688		37
39		22			22, 23	22			22	1.312-18	1.688	1.469	1.938		.938		39
40	24 (-)		22					24		1.375-18	1.750	1.531	2.375		1.000		40
41								22, H		1.375-28	1.750	1.531	2.375		1.250		41
42				23, H						M34 x 1.0	1.594	1.531	1.750		.656	1.250	42
44		24			24, 25	24			24	1.438-18	1.812	1.594	2.000	1.688	1.000		44
45							61			1.500-18	1.875	1.656	1.875		.938	1.438	45
46								24, J		1.500-28	1.875	1.656	2.500		1.250		46
47				25, J						M37 x 1.0	1.719	1.656	1.875		.688	1.250	47
48										1.562-18	1.938	1.719	2.125		1.062		48
49	28 (-)		24					28		1.625-18	2.000	1.781	2.500	1.812	1.250	1.312	49
51						28				1.750-18	2.125	1.906	2.062		.938		51
52	32 (B,C)		28					32		1.875-16	2.250	2.031	2.750	1.938	1.125	1.344	52
53	32 (A,R)									1.906-18	2.281	2.062	2.438		.750		53
54						32				2.000-18	2.375	2.156	2.312		.969		54
55	36 (B)		32					36		2.062-16	2.469	2.219	3.000		.969		55
56	36 (R)									2.062-24	2.469	2.219	1.875	2.062	.812	1.406	56
57	36 (C)									2.125-16	2.500	2.281	1.875		.812		57
58	36 (A)									2.125-18	2.500	2.281	1.875		.812		58
59						36				2.250-16	2.625	2.406	2.438		1.031		59
60	40 (B)		36					40		2.312-16	2.719	2.469	3.250	2.188	1.000	1.438	60
61	40 (A,C)									2.375-16	2.750	2.531	2.000		.875		61
62						40				2.500-16	2.875	2.656	2.688	2.750	1.125	1.500	62

NOTES: UNLESS OTHERWISE SPECIFIED.

1 THREADS ARE RIGHT HAND IN ACCORDANCE WITH FED-STD-H28, CLASS 2B.

2 THREADS NOTED ARE LEFT HAND, CLASS 2B.

3 THREADS NOTED ARE ISO METRIC, CLASS 6H.

4 CODE 18 SHELL SIZES ARE FOLLOWED IN PARENTHESIS BY CONNECTOR MFR CODE. SEE CONNECTOR CODE 18 CHART AT RIGHT & EXAMPLE PART NUMBER FOR DETAILS.

5 TABLE 1 LISTS THE MOST USED CONNECTOR CODES. SEE SECTION 11 FOR OTHER CODES AVAILABLE AND COMPLETE CONNECTOR PART NUMBER CROSS REFERENCE.

6 SEE SUPPORT DATA SECTION FOR PLATING AND MODIFICATION CODE OPTIONS.

7 ADD .25 TO "D" & "F" FOR CONNECTOR CODES 30, 32 & 61.

8 SEE SUPPORT DATA SECTION FOR TABLE V & AVAILABLE STYLES

4 Connector Code 18 Chart

CONNECTOR	CONNECTOR MANUFACTURER
CODE	(MS3100, MS3101, MS3106 & MS3107)
A	AMPHENOL, CLASS A
B	BENDIX, CLASS A, E & R
C	CANNON, CLASS A, E & R
D	MFR. UNKNOWN, CLASS A, E & R
R	AMPHENOL, CLASS R
-	MFR. CODE NOT REQUIRED

REV B