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**SECTION 1 - MECHANICAL
STRAIN RELIEF, EMI / RFI ,
TRIPLE RINGS , ENVIRONMENTAL
SAE AS85049 CATEGORY 1**

E * * 21

SHEET 1 OF 2

Add'l ENG Support Information

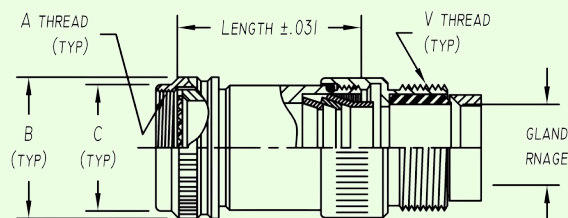
Table 2 - Cable Entry Data

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

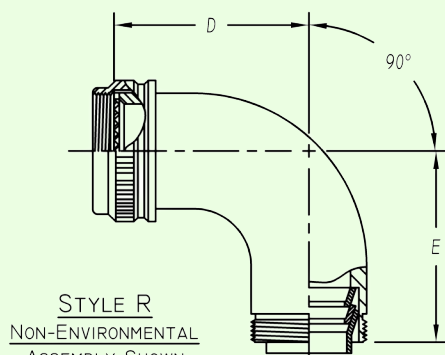
WHEN MAXIMUM CABLE ENTRY EXCEEDS THE
CONNECTOR INTERFACE DIAMETER, A 2 PIECE
ADAPTER WILL BE SUPPLIED.

Table 3 - Length Code Data

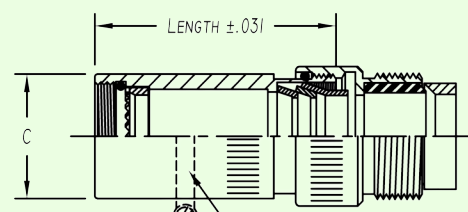
CONN CODE NUMBER	MIN ORDER LENGTH	MIN LENGTH CODE
18	1.250	05
19	1.750	07
21	1.250	05
30	1.500	06
32	1.750	09
40	1.250	05
41	1.250	05
47	1.250	05
51	1.250	05
54	1.250	05
61	1.500	06
76	1.250	05



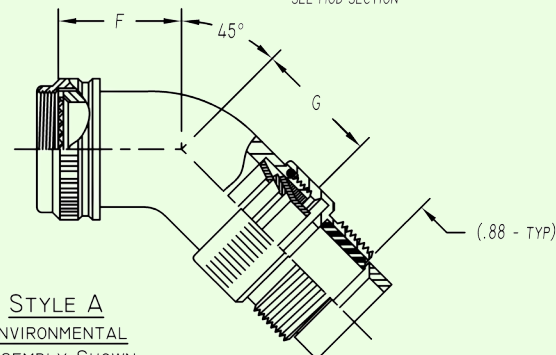
STYLE S



STYLE R
NON-ENVIRONMENTAL
ASSEMBLY SHOWN



STYLE B



STYLE A
ENVIRONMENTAL
ASSEMBLY SHOWN

ASSEMBLY PART NUMBER

TO ESTABLISH YOU P/N, USE THE FOLLOWING EXAMPLE

E 41 21 S 23 08 9 B 06 51

FUNCTION DESIGNATOR
E-EMI ADAPTER

CONNECTOR CODE NUMBER - TABLE 1

SERIES PART NUMBER

ADAPTER STYLE
S = STRAIGHT SPIN COUPLING ADAPTER
B = STRAIGHT BASIC ADAPTER
R = 90° ADAPTER
A = 45° ADAPTER

ACCESSORY ORDER NUMBER-TABLE 1

CABLE ENTRY ORDER NUMBER-TABLE 2

MOD CODE

PLATING CODE NUMBER-TABLE 4

LENGTH CODE NUMBER
LENGTHS ARE CHOSEN IN 1/4" INCREMENTS
(IE 08=2.00") SEE TABLE 3 FOR MINIMUM
INSERT 00 FOR R & A STYLE ADAPTERS

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

CABLE STRAIN RELIEF - SEE TABLE V

REV B

Table 1 - Order Number Data

E * * 21
SHEET 2 OF 2

Accessory Order Number By Connector Code & Shell Size

ORDER NUMBER	MS3100 SERIES MIL-DTL-5015 SOLDER CONTACT	MIL-DTL-26482 SERIES 1	MIL-DTL-22992 CLASS C, J & R	MIL-DTL-38999 SERIES III & IV	MIL-DTL-38999 SERIES I & II	MIL-DTL-5015 CRIMP MIL-DTL-26482 SER 2 MIL-DTL-83723 SER III	MIL-C-81703 NAS 1599 LITTON VEAM CIR SERIES	MIL-C-81511 SERIES 1, 2, 3 & 4 PATT 105, PATT 803 PATT 808	54	64	61	76	A UNIFIED THREAD	B MAX DIA.	C MAX DIA.	(7) D ±.125 DIM.	E MAX DIM.	(7) F ±.125 DIM.	G MAX DIM.	ORDER NUMBER
	18 (4)	21	32 (2)	40 (3)	41															
01	8S (B)												.375-32	.750	.531					01
03	8S (A)												.438-27	.812	.594					03
04	8S (C)	8			8, 9							8	.438-28	.812	.594	1.125	1.188	.812	.875	04
05						8 & 8S							.500-20	.875	.656					05
06	10S (-)							8, A					.500-28	.875	.656					06
07				9, A									M12 x 1.0	.719	.656					07
08	10SL (C)	10			10, 11		3				10		.562-24	.844	.719					08
10	10SL(A,B), 12, 12S(B,C)					10, 10S, 10SL			12				.625-24	1.000	.781	1.250	1.312	.875	.938	10
11										10, B			.625-28	1.000	.781					11
12				11, B									M15 x 1.0	.844	.781					12
13	12 & 12S (A)	12			12, 13						12		.688-24	1.062	.844					13
15	14 & 14S (-)		12			12 & 12S	7	14					.750-20	1.125	.906	1.375	1.438	.938	1.000	15
16				13, C									M18 x 1.0	.969	.906					16
18		14			14, 15							14	.812-20	1.188	.969					18
19	16 & 16S (-)		14			14 & 14S	12	16					.875-20	1.250	1.031	1.500	1.562	1.000	1.062	19
20										14, D			.875-28	1.250	1.031					20
21				15, D									M22 x 1.0	1.094	1.031					21
23		16			16, 17						16		.938-20	1.312	1.094					23
24	18 (-)		16			16 & 16S	19	18					1.000-20	1.375	1.156	1.625	1.688	1.062	1.125	24
25										16, E			1.000-28	1.375	1.156					25
26				17, E									M25 x 1.0	1.219	1.156					26
28		18			18, 19	18	27				18		1.062-18	1.438	1.219					28
29	20 (-)		18					20					1.125-18	1.500	1.281					29
30	20 (R)												1.125-24	1.500	1.281	1.750	1.812	1.094	1.156	30
31										18, F			1.125-28	1.500	1.281					31
32				19, F									M28 x 1.0	1.344	1.281					32
34		20			20, 21	20	37				20		1.188-18	1.562	1.344					34
35	22 (-)		20					22					1.250-18	1.625	1.406	1.875	1.938	1.156	1.219	35
36										20, G			1.250-28	1.625	1.406					36
37				21, G									M31 x 1.0	1.469	1.406					37
39		22			22, 23	22					22		1.312-18	1.688	1.469					39
40	24 (-)		22						24				1.375-18	1.750	1.531	2.000	2.062	1.188	1.250	40
41										22, H			1.375-28	1.750	1.531					41
42				23, H									M34 x 1.0	1.594	1.531					42
44		24			24, 25	24					24		1.438-18	1.812	1.594					44
45							61						1.500-18	1.875	1.656					45
46										24, J			1.500-28	1.875	1.656	2.125	2.188	1.250	1.312	46
47				25, J									M37 x 1.0	1.719	1.656					47
48													1.562-18	1.938	1.719					48
49	28 (-)		24						28				1.625-18	2.000	1.781	2.375	2.625	1.344	1.625	49
51						28							1.750-18	2.125	1.906					51
52	32 (B,C)		28						32				1.875-16	2.250	2.031					52
53	32 (A,R)												1.906-18	2.281	2.062	2.625	3.000	1.438	1.812	53
54						32							2.000-18	2.375	2.156					54
55	36 (B)		32						36				2.062-16	2.469	2.219					55
56	36 (R)												2.062-24	2.469	2.219					56
57	36 (C)												2.125-16	2.500	2.281	2.875	3.250	1.562	1.938	57
58	36 (A)												2.125-18	2.500	2.281					58
59						36							2.250-16	2.625	2.406					59
60	40 (B)		36						40				2.312-16	2.719	2.469					60
61	40 (A,C)												2.375-16	2.750	2.531	3.125	3.500	1.688	2.062	61
62						40							2.500-16	2.875	2.656					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