

RATIONALE

BACKSHELL TO PROPERLY POSITION WIRE AT GROMMET EXIT AND TO PROVIDE FOR PROPER SEALING STRAIN RELIEF.

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF SAE AS85049.

SAE AS85049/143

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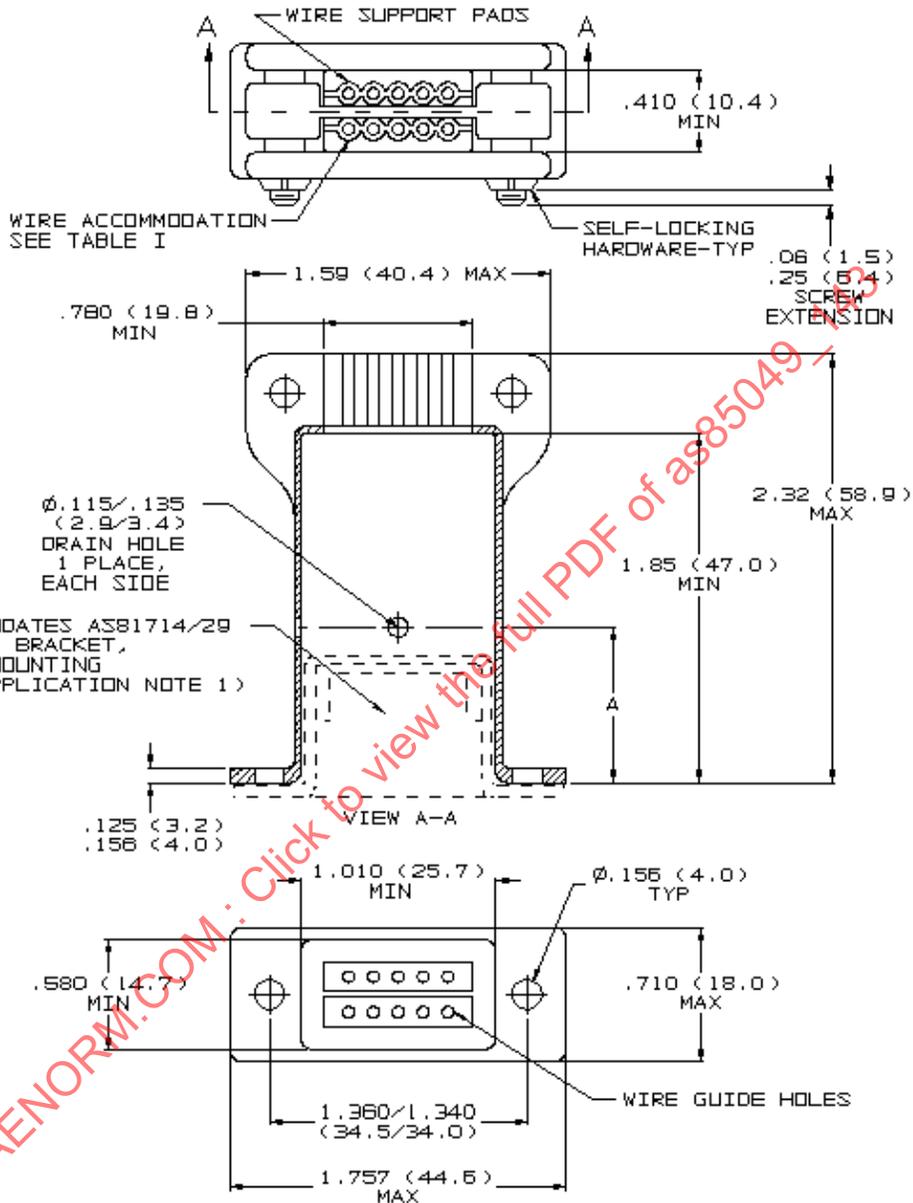


FIGURE 1 - CONFIGURATION AND DIMENSIONS

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION:

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
CONNECTOR ACCESSORIES, BACKSHELL, STRAIN RELIEF, CATEGORY 4C, FOR AS81714, SIZE 22, 20 AND 16 TERMINAL JUNCTION BLOCKS

SAE AS85049/143
SHEET 1 OF 4

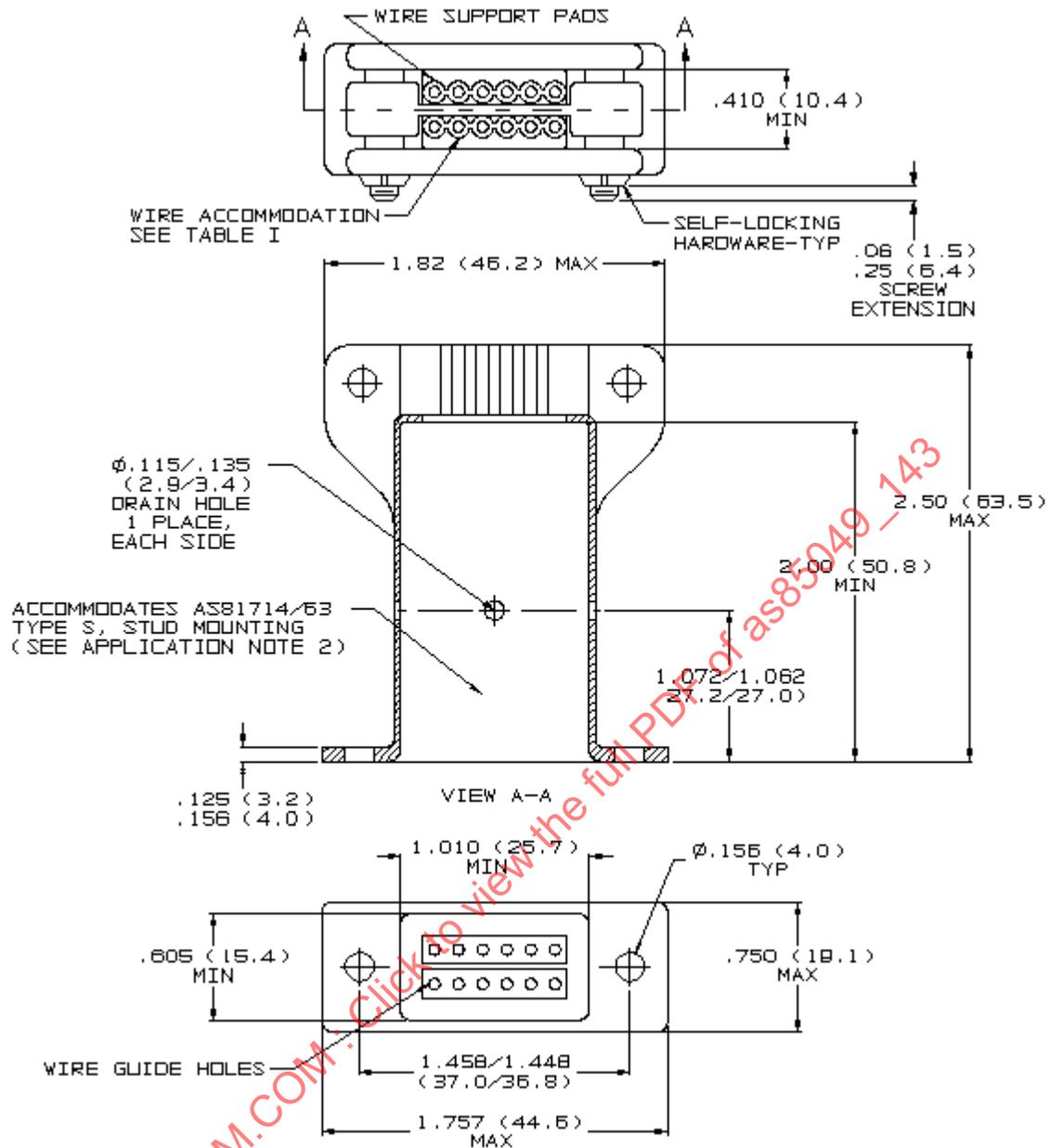


FIGURE 2 - CONFIGURATION AND DIMENSIONS

TABLE 1 – WIRE ACCOMMODATION

DASH NO	ACCOMMODATES WIRE DIA.	NUMBER OF WIRES FIGURE 1	NUMBER OF WIRES FIGURE 2	DIM A (FIGURE 1)
22	.030/.060 (0.8/1.5)	10	20	.840/.820 (21.3/20.8)
20	.040/.083 (1.0/2.1)	10	12	.840/.820 (21.3/20.8)
16	.065/.109 (1.7/2.8)	8	6	1.090/1.080 (27.8/27.4)

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. DIMENSIONS APPLY AFTER PLATING.
3. METRIC EQUIVALENTS IN PARENTHESIS () ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 25.4MM = 1 INCH.

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

1. DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.
2. CLAMPS SHALL HAVE NO PROTRUSIONS OR SHARP EDGES WHICH MAY DAMAGE CABLE.
3. MATERIAL AND FINISH:

BACKSHELL AND SADDLE - SEE TABLE 2

WIRE SUPPORT PADS – SILICONE IN ACCORDANCE WITH AS85049

SCREWS – 300 SERIES CORROSION RESISTANT STEEL, PASSIVATE

TABLE 2 – MATERIAL AND FINISH

MATERIAL	FINISH
ALUMINUM ALLOY IN ACCORDANCE WITH SAE AS85049	A, N <u>1/</u> W, X, Y, Z <u>2/</u>
COMPOSITE MATERIAL IN ACCORDANCE WITH AIR4567, BLACK COLOR	NONE

1/ N IS NOT FOR NAVY USE. AIR FORCE USE IS FOR SPACE APPLICATIONS ONLY. W IS THE PREFERRED FINISH.

2/ W, X & Z IS NOT FOR USE IN SPACE APPLICATION.