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REV.
A

AS81582™/5

FEDERAL SUPPLY CLASS
5935

RATIONALE

AS81582/5A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS81582.

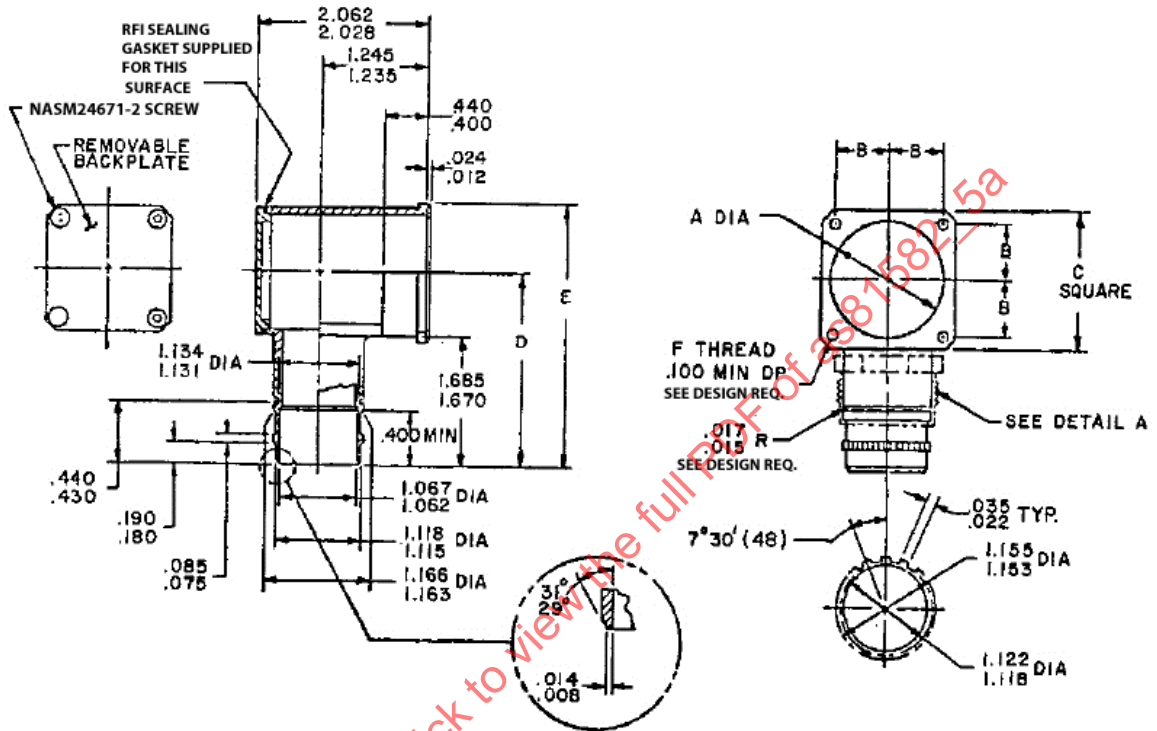
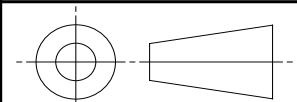


FIGURE 1 – CONNECTOR ADAPTER CONFIGURATION AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS81582/5A/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS81582



AEROSPACE STANDARD

(R) CONNECTOR ADAPTER, RIGHT ANGLE,
RFI SHIELDED, ELECTRIC CONNECTOR
TO ELECTRIC CONNECTOR

AS81582™/5
SHEET 1 OF 3

REV.
A

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ISSUED 2004-04 REVISED 2012-03 REAFFIRMED 2021-12

TABLE 1 – DIMENSIONS

SHELL SIZE	A DIA. ±.005	B TP	C ±.005	D ±.015	E ±.015	F THREAD	SUPERSEDED PART
16	1.140	.4845	1.500	2.425	3.175	4-40 UNC-2B	M81582/05-01
18	1.250	.531	1.500	2.425	3.175	4-40 UNC-2B	M81582/05-02
20	1.325	.578	1.500	2.425	3.175	4-40 UNC-2B	M81582/05-03
22	1.500	.625	1.812	2.517	3.420	4-40 UNC-2B	M81582/05-04
24	1.625	.6875	1.812	2.517	3.420	6-32 UNC-2B	M81582/05-05
25	1.470	.750	1.812	2.517	3.420	6-32 UNC-2B	M81582/05-06
61	1.505	.718	1.812	2.517	3.420	4-40 UNC-2B	M81582/05-07

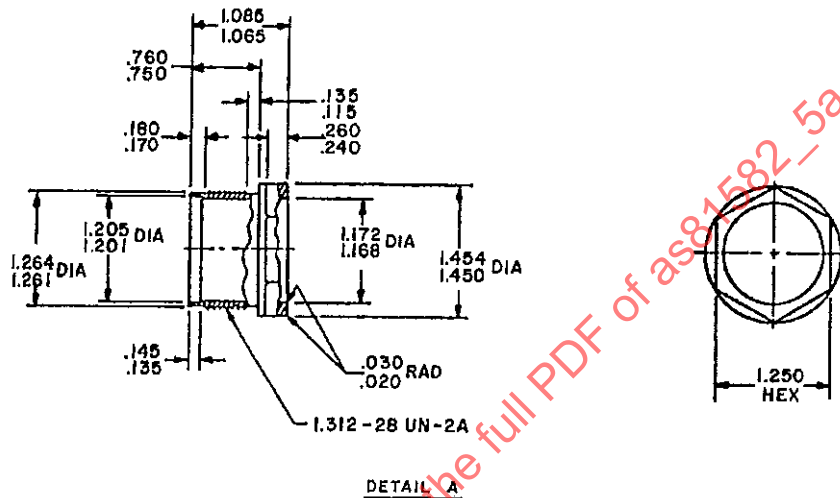


FIGURE 2 - CONNECTOR ADAPTER CONFIGURATION AND DIMENSIONS (DETAIL A)

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.005	.13	.115	2.92	.750	19.05	1.166	29.62	1.454	36.93
.008	.20	.135	3.43	1.062	26.97	1.168	29.67	1.470	37.34
.012	.30	.145	3.68	1.065	27.05	1.172	29.77	1.500	38.10
.014	.36	.180	4.57	1.067	27.10	1.201	30.51	1.625	41.28
.015	.38	.190	4.83	1.085	27.56	1.205	30.61	1.670	42.42
.017	.43	.240	6.10	1.115	28.32	1.235	31.37	1.685	42.80
.020	.51	.260	6.60	1.118	28.40	1.245	31.62	1.812	46.02
.022	.56	.400	10.16	1.122	28.50	1.250	31.75	2.028	51.51
.024	.61	.440	11.18	1.131	28.73	1.261	32.03	2.062	52.37
.030	.76	.4845	12.31	1.134	28.80	1.264	32.11	2.425	61.60
.035	.89	.531	13.49	1.140	28.96	1.312	33.32	2.517	63.93
.075	1.91	.578	14.68	1.153	29.29	1.325	33.66	3.175	80.65
.085	2.16	.625	15.88	1.155	29.34	1.450	36.83	3.420	86.87
.100	2.54	.6875	17.46	1.163	29.54				

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF AS81582.

1. DESIGN:

CONNECTOR ACCESSORIES SHALL BE DESIGNED IN ACCORDANCE WITH FIGURES 1, 2 AND TABLE 1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. THE .015/.017 DIMENSION IS THE RADIUS FOR THE REMOVABLE RETAINER RING. THE DIAMETER OVER THE RING IS 1.198/1.194. FLANGE SIZES M81582/05-01 THRU -05 (SHELL SIZES 16, 18, 20, 22 AND 24) ACCEPT MIL-C-81511 CONNECTOR RECEPTACLES. NASM16995-9 OR NASM16995-16 SCREWS SUPPLIED FOR MOUNTING CONNECTOR. SEE AS81582/6, /7, /8 FOR ASSEMBLY.

	AEROSPACE STANDARD	AS81582™/5 SHEET 2 OF 3	REV. A
	(R) CONNECTOR ADAPTER, RIGHT ANGLE, RFI SHIELDED, ELECTRIC CONNECTOR TO ELECTRIC CONNECTOR		