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REV.
A

AS31481™

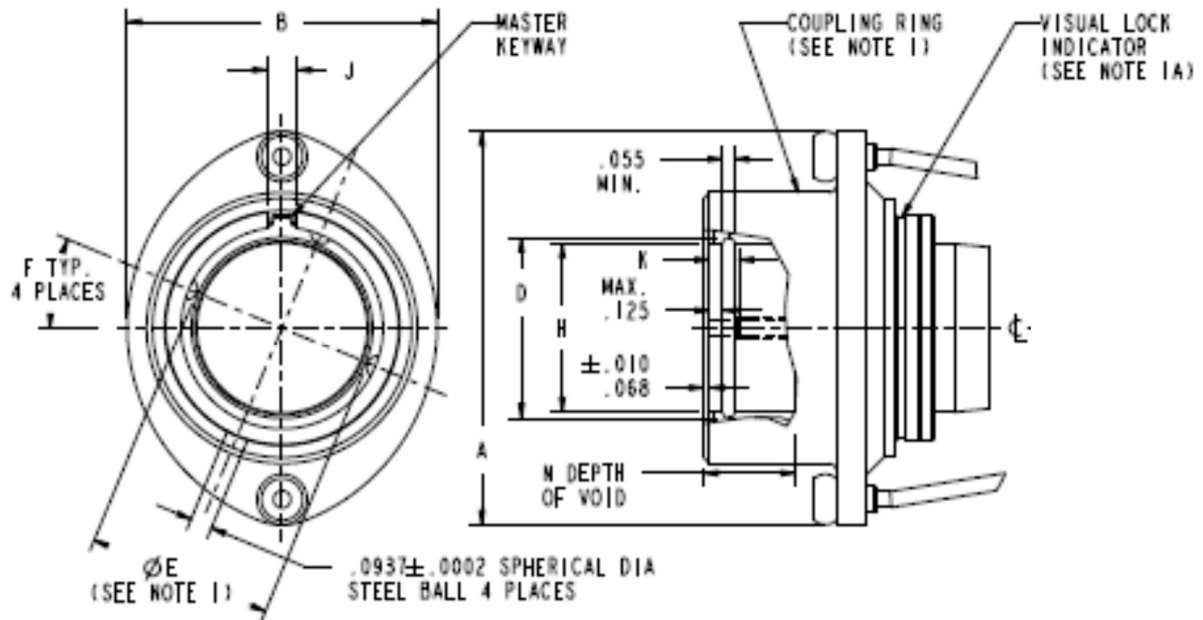
FEDERAL SUPPLY CLASS
5935

RATIONALE

AS31481A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTIFICATION

THE REQUIREMENTS FOR ACQUIRING THE COMPONENTS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF AS81703

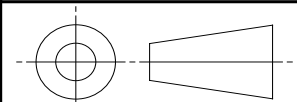


STYLE S (SOCKET INSERT)

FIGURE 1 - AS31481 CLASS E CONNECTOR

For more information on this standard, visit
<https://www.sae.org/standards/content/AS31481A/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS81703



AEROSPACE STANDARD

CONNECTOR, PLUG, ELECTRIC,
CRIMP TYPE, LANYARD, PUSH-PULL COUPLING,
SERIES 2 (CLASS E AND J)

AS31481™
SHEET 1 OF 3

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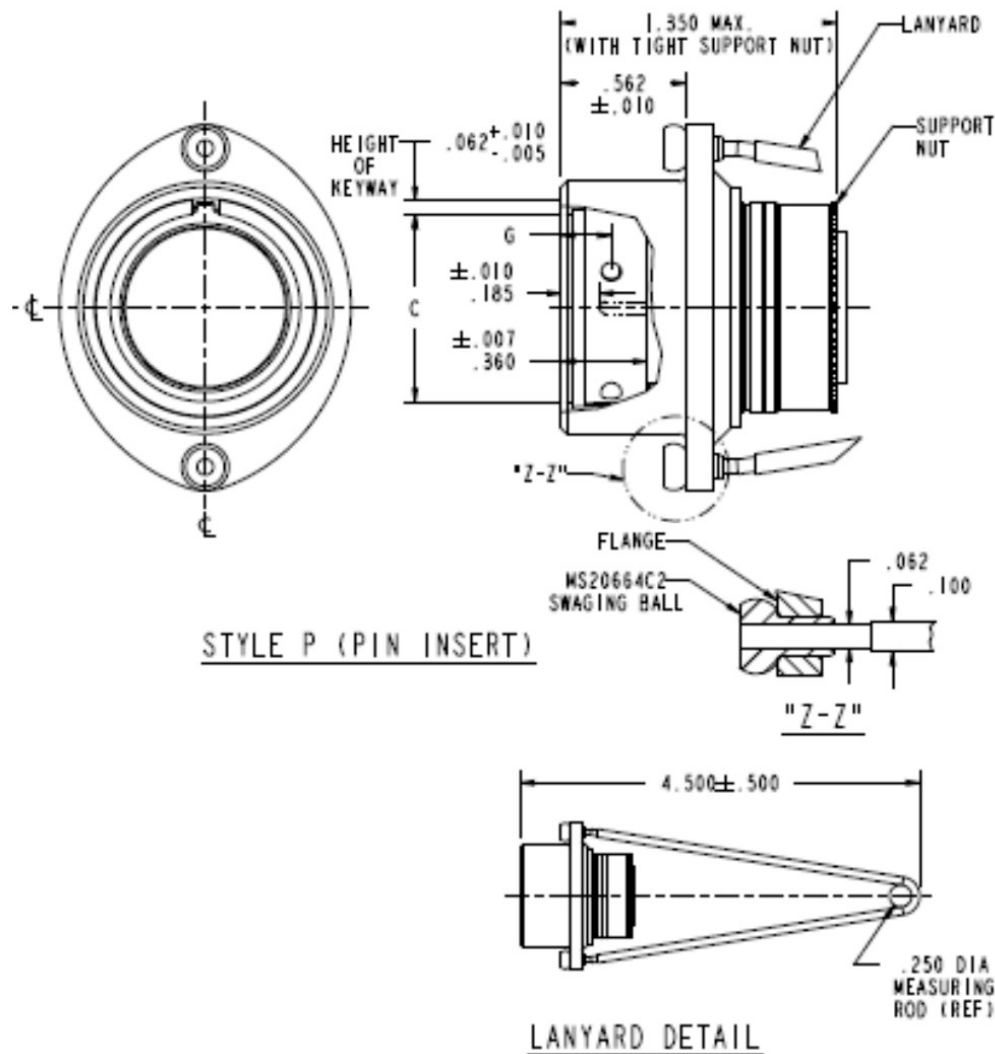
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NOTE 1: COUPLING RING AND BALLS ARE SHOWN IN THE ENGAGED POSITION FOR CLARITY. THIS POSITION SHALL ONLY BE POSSIBLE WHEN ENGAGED TO THE RECEPTACLE. IN THE NORMAL POSITION THE FOLLOWING IS TRUE.

- A. THE VISUAL LOCK INDICATOR IS NOT IN VIEW.
- B. THE BALLS ARE RELEASED WHEN "E" EQUAL "C".

FIGURE 1 (CONTINUED) - AS31481 CLASS E CONNECTOR

TABLE 1- FIGURE 1 CONFIGURATION

SHELL SIZE (DASH #)	A MAX	B MAX	C MIN	D ±.006 AVG.	E MIN	F ± .5°	G +.002 -.004	H ± .010	J MAX	N ±.004 1/	K MAX 2/	INSERT ARRANGE.
-3	1.261	.923	.444	.374	.391	30°	.202	.344	.114	.310	.138	AS33698
-7	1.411	1.082	.579	.490	.526	22.5°		.460				AS33699
-12	1.531	1.172	.713	.630	.661			.600				AS33700
-19	1.681	1.328	.852	.770	.799			.740				AS33701
-27	1.826	1.473	1.007	.925	.954			.895				AS33702
-37	1.914	1.609	1.127	1.047	10.76			1.017				AS33703

1/ DEPTH OF VOID IN DISENGAGE POSITION

2/ MEASURED WITH SQUARE NOSE PIN HAVING BASIC DIAMETER OF MATING CONTACT

	AEROSPACE STANDARD	AS31481™ SHEET 2 OF 3	REV. A
	CONNECTOR, PLUG, ELECTRIC, CRIMP TYPE, LANYARD, PUSH-PULL COUPLING, SERIES 2 (CLASS E AND J)		



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