

REV.
A

AS31351™

FEDERAL SUPPLY CLASS
5935

RATIONALE

AS31351A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS81703.

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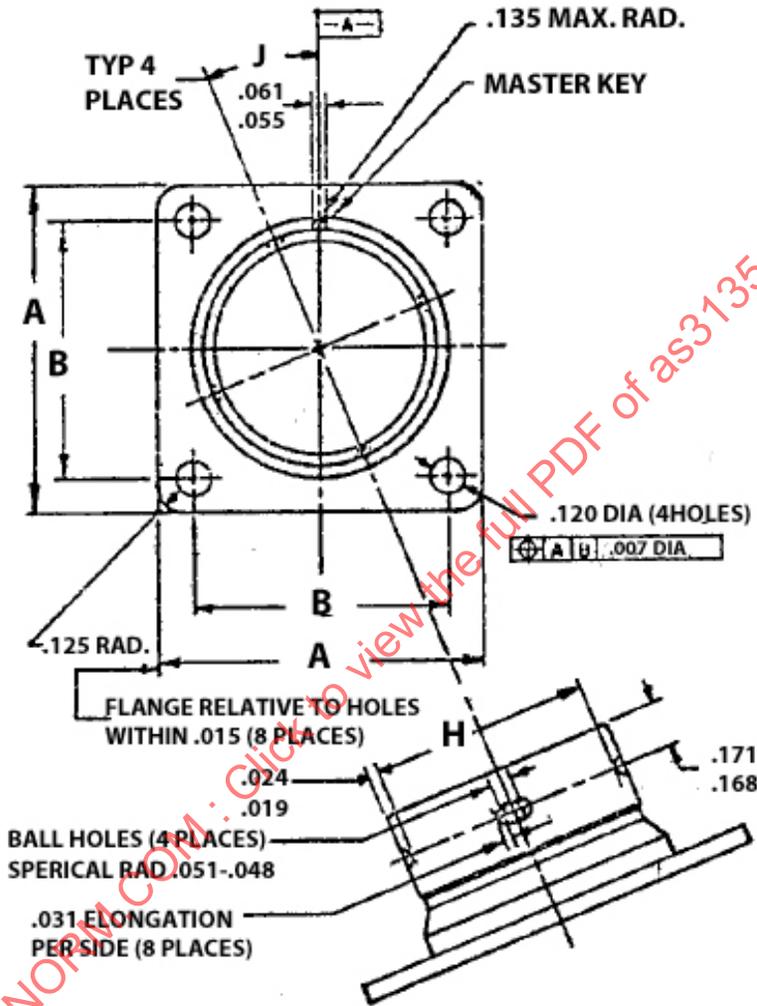
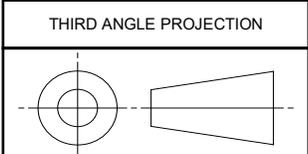


FIGURE 1 – CONNECTOR CONFIGURATIONS AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS31351A/>



CUSTODIAN:

PROCUREMENT SPECIFICATION: AS81703



AEROSPACE STANDARD

(R) CONNECTOR, RECEPTACLE, ELECTRIC, DUMMY
STOWAGE, WALL MOUNTING FLANGE, PUSH-PULL,
COUPLING (SERIES 1 AND 2 CONNECTORS)

AS31351™
SHEET 1 OF 3

REV.
A

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ISSUED 2004-06 REVISED 2011-08 REAFFIRMED 2021-05

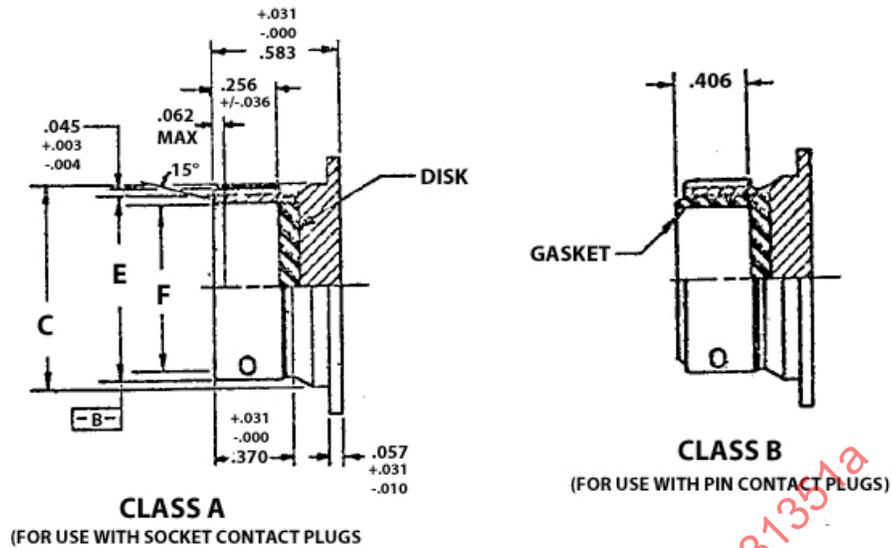


FIGURE 2 – CONNECTOR CONFIGURATIONS AND DIMENSIONS (CONTINUED)

TABLE 1 – FIGURE 1 AND 2 DIMENSIONS

SHELL SIZE DASH NO.	A MAX LENGTH SIDE	B BSC MOUNTING CENTER	C MAX DIA FRONT	E +.006/-.004 SHELL OUTSIDE DIA	F +.003/-.007 SHELL INSIDE DIA	H +.002/-.005 BALL HOLE SPACING	J BALL HOLE LOCATION
-3	.896	.625	.578	.435	.364	.396	30°
-7	1.021	.719	.691	.570	.480	.531	22.5°
-12	1.114	.812	.828	.704	.621	.666	
-19	1.208	.906	.953	.843	.760	.804	
-27	1.302	.968	1.136	.998	.915	.959	
-37	1.458	1.187	1.266	1.120	1.037	1.081	

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF AS81703.

1. DESIGN:

CONNECTORS AND ACCESSORIES SHALL BE DESIGNED IN ACCORDANCE WITH FIGURES 1 AND 2 AND TABLE 1. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE ±.016 INCHES. ANGULAR TOLERANCES ARE +/- .5 DEGREES. DIMENSIONS LOCATING TRUE POSITION ARE BASIC. TRUE POSITION TOLERANCES SPECIFIED ARE IN ACCORDANCE WITH ASME-Y14.5 -DIMENSIONING AND TOLERANCING.

2. MATERIALS:

SHELL: ALUMINUM ALLOY CONFORMING TO MIL-DTL-26482.

DISK: CLOSED CELL NEOPRENE SPONGE PER ASTM-D1056.

GASKET: SYNTHETIC RUBBER WITH 55 ±10 DUROMETER OR SUITABLE MATERIAL THAT MEETS THE REQUIREMENTS OF AS81703.

	AEROSPACE STANDARD	AS31351™ SHEET 2 OF 3	REV. A
	(R) CONNECTOR, RECEPTACLE, ELECTRIC, DUMMY STOWAGE, WALL MOUNTING FLANGE, PUSH-PULL, COUPLING (SERIES 1 AND 2 CONNECTORS)		