

REV.
A

AS34451™

FEDERAL SUPPLY CLASS
5935

RATIONALE

AS34451A 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.

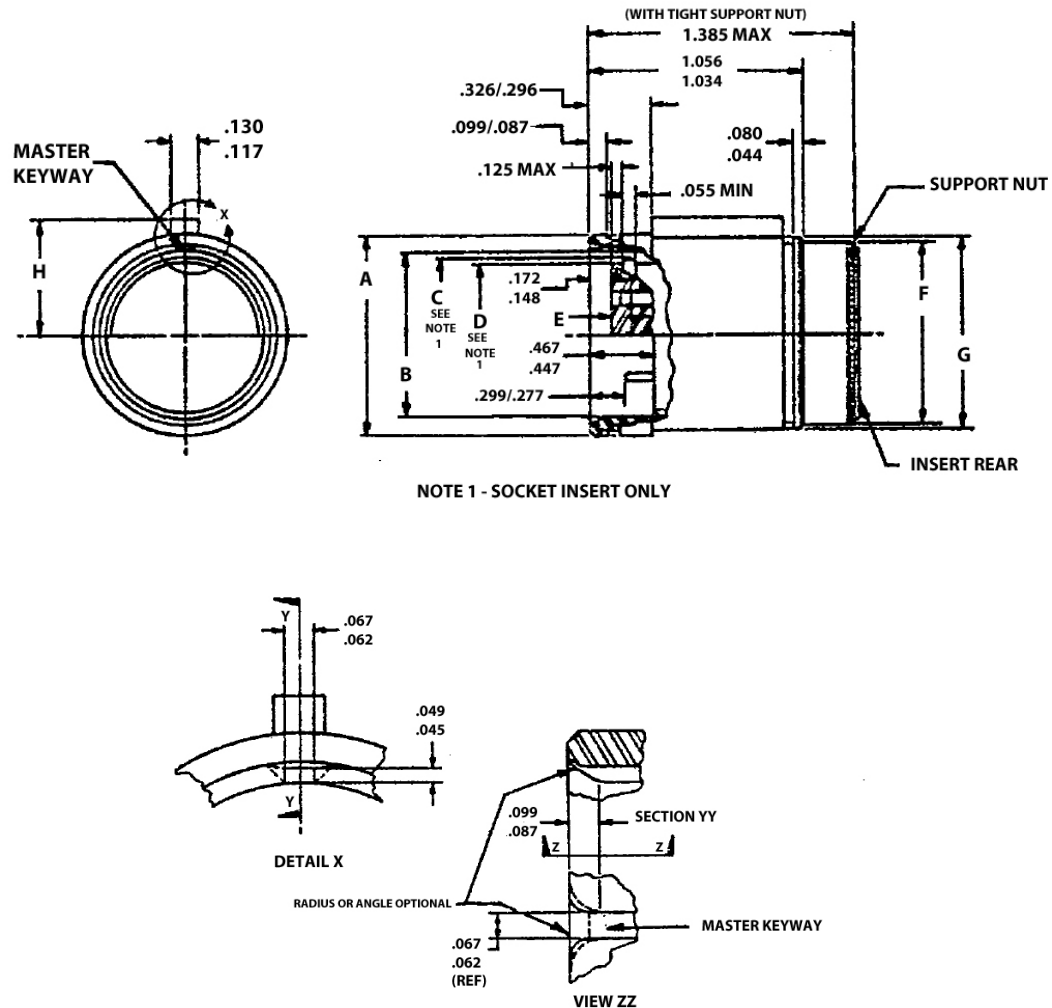
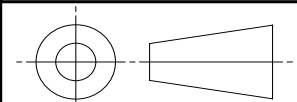


FIGURE 1 – CONNECTOR CONFIGURATIONS AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS34451A/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS81703



AEROSPACE STANDARD

(R) CONNECTOR, PLUG, ELECTRIC, CRIMP TYPE,
RACK AND PANEL, SERIES 2
(CLASS E)

AS34451™
SHEET 1 OF 6

REV.
A

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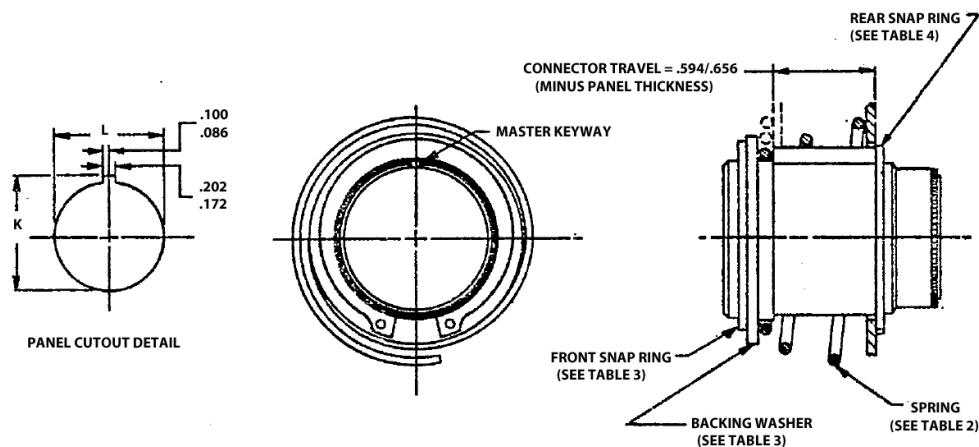


FIGURE 1A – CONNECTOR CONFIGURATIONS AND DIMENSIONS (CONTINUED)

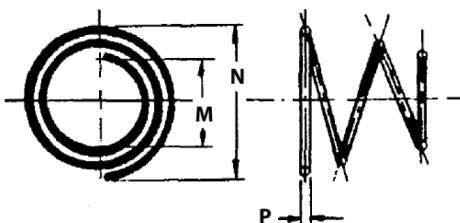
TABLE 1 – FIGURE 1 AND 1A DIMENSIONS

SHELL SIZE DASH NO.	A DIA. OVER FRONT OF SHELL	B I.D. SHELL	C DIA. INSERT SEAL ^{1/}	D DIA. INSERT ^{1/}	E POINT OF SPRING CONTACT
-3	.641/.628	.454/.446	.380/.362	.354/.334	.138 MAX. MEASURE WITH SQUARE NOSE PIN HAVING SAME BASIC DIAMETER OF MATING CONTACT
-7	.797/.784	.589/.581	.496/.478	.470/.450	
-12	.920/.907	.723/.715	.636/.618	.610/.590	
-19	1.048/1.035	.862/.854	.776/.756	.750/.726	
-27	1.189/1.176	1.017/1.009	.931/.911	.905/.880	
-37	1.356/1.343	1.139/1.131	1.053/1.038	1.027/1.003	

^{1/} SOCKET INSERT ONLY.

TABLE 1A – FIGURE 1 AND 1A DIMENSIONS (CONTINUED)

SHELL SIZE DASH NO.	F MAX. DIA. REAR	G DIA. OVER REAR OF SHELL	H DIM. FROM CENTERLINE TO TOP OF KEYWAY	K	L
-3	.625	.615/.595	.442/.422	.858/.828	.686/.656
-7	.702	.760/.740	.504/.484	.999/.969	.827/.797
-12	.828	.867/.847	.567/.547	1.124/1.094	.968/.938
-19	.953	1.010/.990	.639/.619	1.249/1.219	1.077/1.047
-27	1.102	1.150/1.130	.709/.689	1.390/1.360	1.218/1.188
-37	1.266	1.322/1.302	.796/.776	1.546/1.516	1.390/1.360



SPRING

FIGURE 2 – SPRING DETAIL

	AEROSPACE STANDARD		AS34451™ SHEET 2 OF 6	REV. A
	(R) CONNECTOR, PLUG, ELECTRIC, CRIMP TYPE, RACK AND PANEL, SERIES 2 (CLASS E)			



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