

REV.
A

SAE AS34661

RATIONALE

REVISION REQUIRED TO INCORPORATE AS34661-1A, CLARIFY A DRAWING, AND UPDATE REFERENCES

NOTICE

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

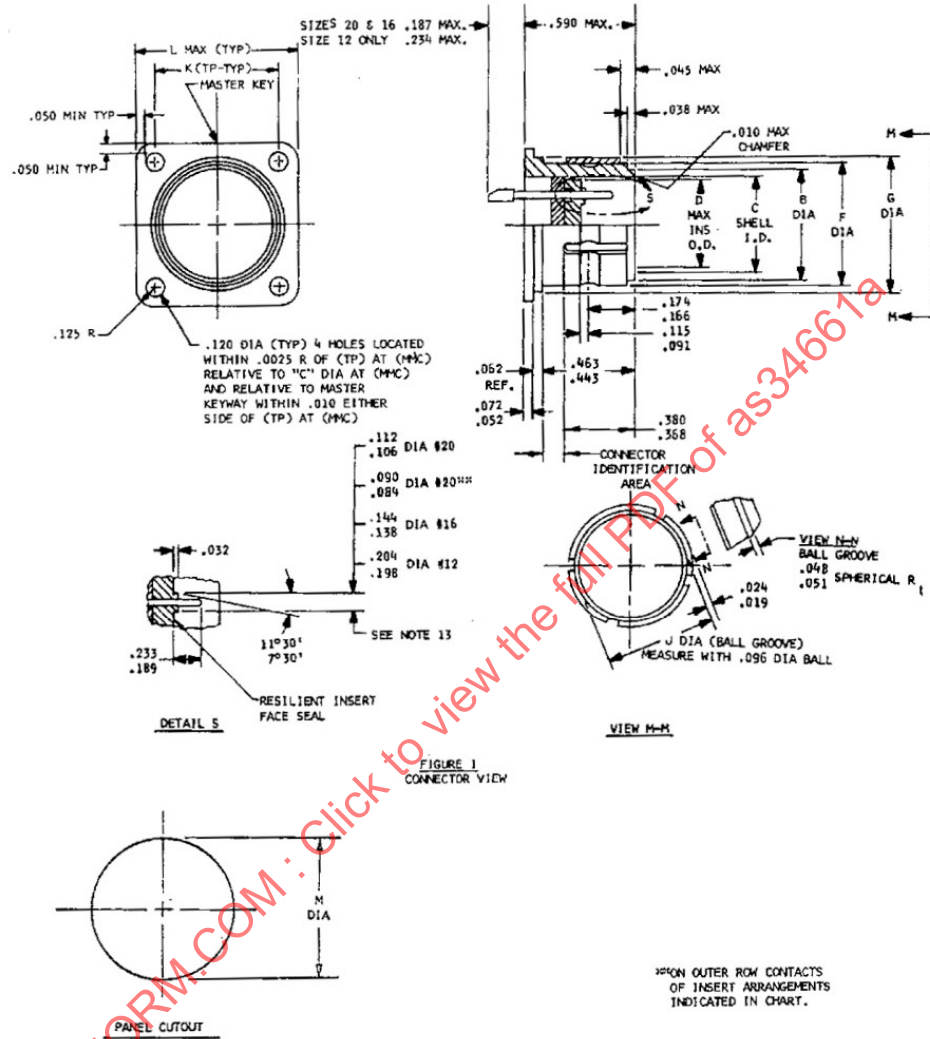


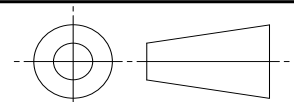
FIGURE 1
CONNECTOR VIEW

INSERT ARRANGEMENTS REQUIRING REDUCED DIAMETERS FOR PIN CONTACT RAISED SEAL BARRIERS.		
SHELL SIZE	INSERT ARRANGEMENTS	CONTACT CAVITIES
12	12 - 50	5, 6, 8, 9, 11 AND 12

FIGURE 1 - AS34661 CONFIGURATION

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS34661A>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS81703

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
CONNECTOR, RECEPTACLE, ELECTRIC, HERMETIC,
SOLDER TYPE, BOX MOUNTING, PUSH-PULL
COUPLING, SERIES 3 (CLASS H)

SAE AS34661
SHEET 1 OF 4

REV.
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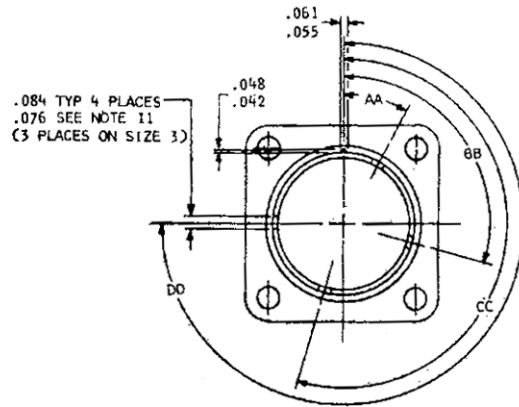


FIGURE 11
KEYWAY POSITIONS

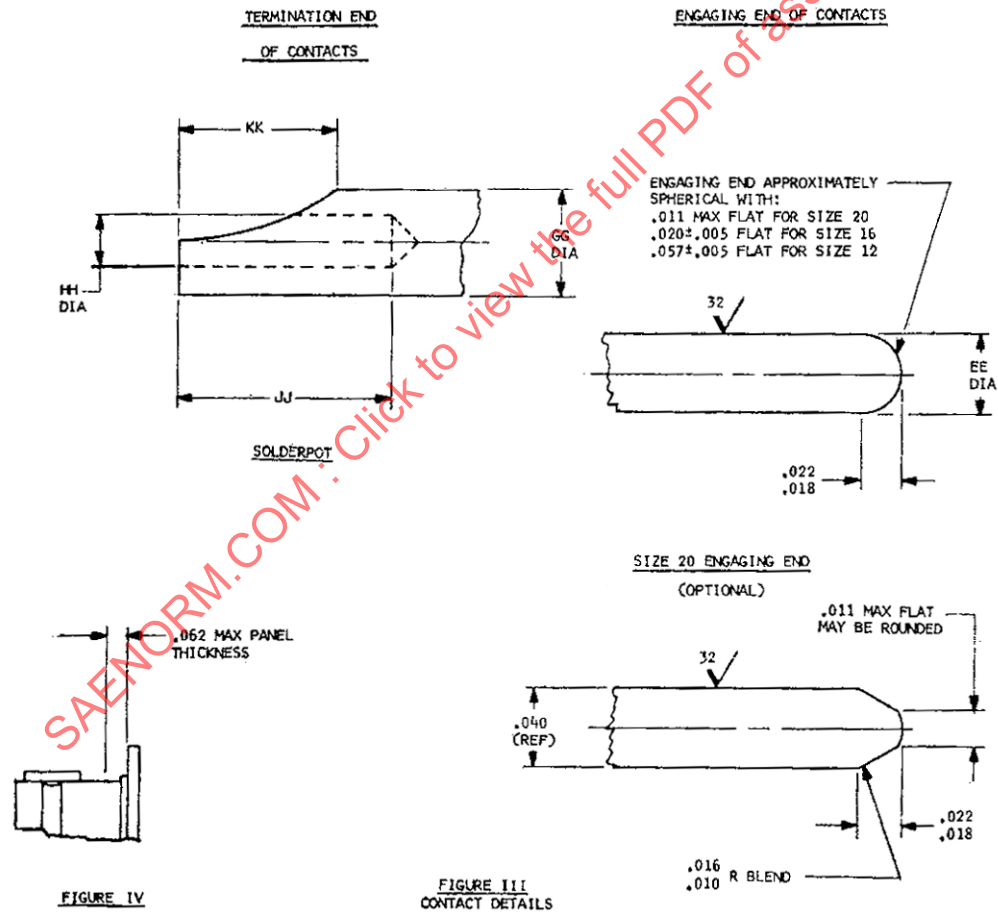


FIGURE 12
MAX PANEL THICKNESS (TYP)

FIGURE 13
CONTACT DETAILS

FIGURE 1 (CONTINUED) – AS34661 CONFIGURATION

TABLE 1
CONNECTOR DIMENSIONS AND WEIGHTS

SHELL SIZE	B	C	D	F	G	J	K	L
3	.392 .385	.367 .356	.330	.441 .431	.549 .529	.399 .391	.625	.891
7	.527 .520	.483 .473	.451	.576 .566	.682 .662	.534 .526	.719	1.016
12	.661 .654	.624 .614	.553	.710 .700	.822 .802	.669 .661	.813	1.109
19	.800 .793	.763 .753	.738	.849 .839	.947 .927	.807 .799	.906	1.203
27	.955 .948	.918 .908	.854	1.004 .994	1.130 1.110	.962 .954	.968	1.297
37	1.077 1.070	1.040 1.030	.978	1.126 1.116	1.228 1.208	1.084 1.076	1.187	1.453
61	1.365 1.358	1.316 1.306	1.271	1.414 1.404	1.510 1.490	1.367 1.360	1.436	1.797

TABLE 1 (CONTINUED)
CONNECTOR DIMENSIONS AND WEIGHTS

SHELL SIZE	M	WEIGHT (LBS) SEE NOTE 7 PIN INSERT
3	.583	(WEIGHT WILL BE
7	.760	SUPPLIED IN LATER
12	.885	REVISION)
19	1.010	
27	1.141	
37	1.271	
61	1.583	

TABLE 2
KEYWAY POSITIONS

SIZE	AA	BB	CC	DD
3	23°	97°	187°	--
7	23°	97°	187°	277°
12	30°	105°	195°	270°
19	30°	105°	195°	270°
27	30°	105°	195°	270°
37	30°	105°	195°	270°
61	30°	105°	195°	270°