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SAE AS34641

FEDERAL SUPPLY CLASS
5935

RATIONALE

AS34641 IS WRITTEN TO PERMIT CANCELATION AND SUPERSESION OF MS3464

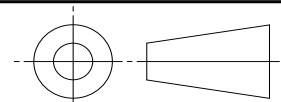
NOTIFICATION

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

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS81703

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTOR, RECEPTACLE, ELECTRIC, CRIMP
TYPE, JAM NUT MOUNTING, PUSH-PULL COUPLING,
SERIES 3 (CLASS L AND E)

SAE AS34641
SHEET 1 OF 5

ISSUED 2011-08

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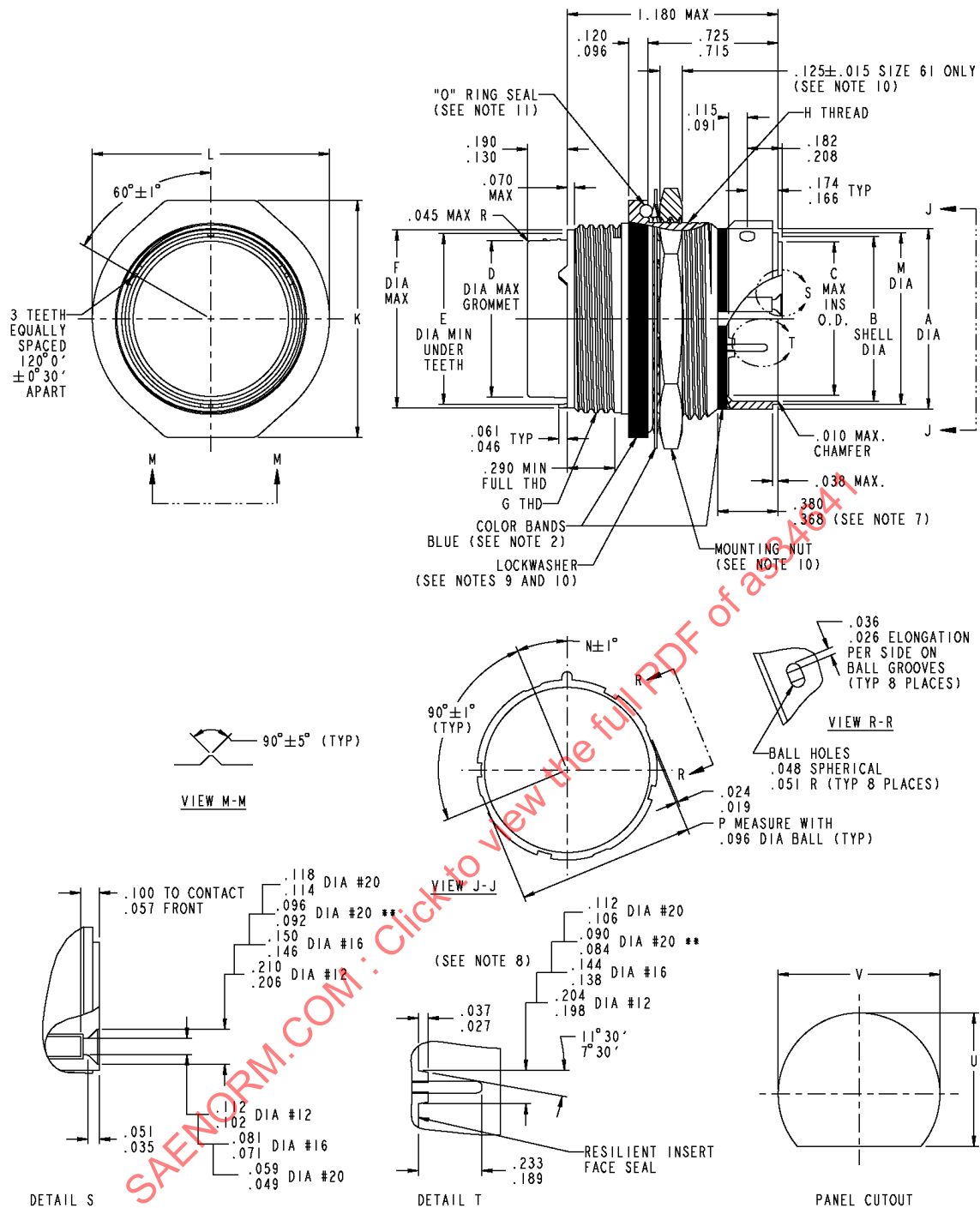


FIGURE 1 - CONNECTOR CONFIGURATIONS AND DIMENSIONS

PART NUMBER
EXAMPLE: **MS3464** E 19 - 50 P B

MS NUMBER
CLASS
SHELL SIZE
INSERT ARRANGEMENT

ALTERNATE INSERT POSITION
CONTACT STYLE

** ON OUTER ROW CONTACTS
OF INSERT ARRANGEMENTS
INDICATED IN CHART.

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

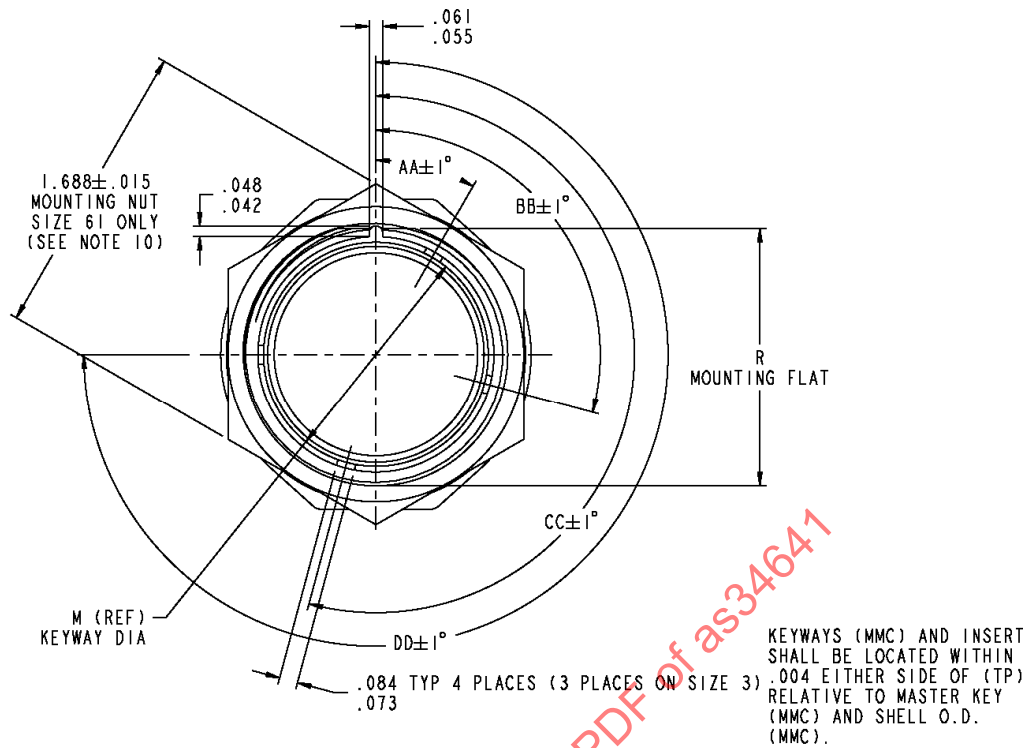


FIGURE 2 - KEYWAY POSITIONS

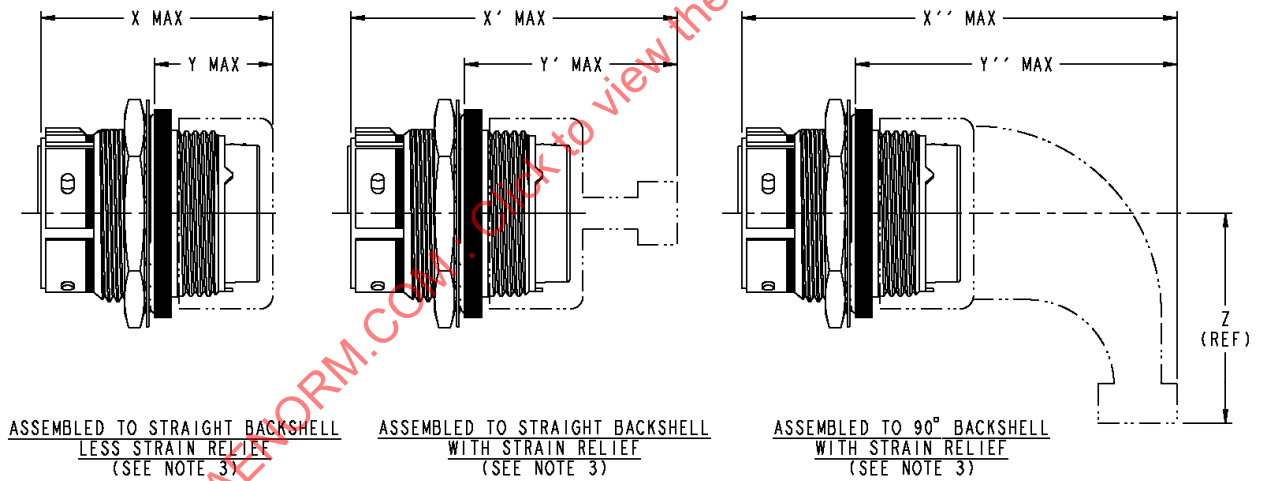


FIGURE 3 - BACKSHELL ACCESSORIES

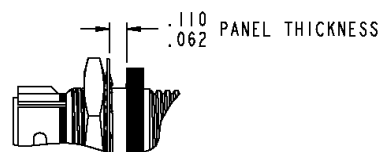


FIGURE 4 - PANEL DIMENSIONS

TABLE 1 - CONNECTOR DIMENSIONS

SHELL SIZE	A	B	C	D	E	F	G THREAD	H THREAD	K	L
3	.441/.431	.367/.356	.330	.351	.441	.509	9/16-20 UNEF-2A	9/16-24 UNEF-2A	.765/.735	.765/.735
7	.576/.566	.483/.473	.451	.531	.613	.687	3/4-20 UNEF-2A	11/16-24 UNEF-2A	.890/.960	.890/.860
12	.710/.700	.624/.614	.553	.665	.731	.812	7/8-20 UNEF-2A	13/16-20 UNEF-2A	1.077/1.047	1.077/1.047
19	.849/.839	.763/.753	.738	.790	.861	.937	1-20 UNEF-2A	1-20 UNEF-2A	1.171/1.141	1.202/1.172
27	1.004/.994	.918/.908	.854	.869	.919	.992	1 1/16-18 UNEF-2A	1 1/8-18 UNEF-2A	1.327/1.297	1.327/1.297
37	1.126/1.116	1.040/1.030	.978	.994	1.044	1.117	1 3/16-18 UNEF-2A	1 1/4-18 UNEF-2A	1.435/1.405	1.515/1.485
61	1.414/1.404	1.316/1.306	1.271	1.280	1.361	1.427	1 1/2-18 UNEF-2A	1 1/2-18 UNEF-2A	1.864/1.834	1.890/1.860

SHELL SIZE	M	N	P	R	U	V	X	X'	X''	Y	Y'	Y''	Z
3	.392/.385	30°	.398/.391	.523	.538/.534	.577/.567	1.452	1.802	2.009	.750	1.112	1.320	.850
7	.527/.520	22°30'	.533/.526	.655	.665/.661	.701/.691	1.452	1.802	2.210	.750	1.112	1.521	.950
12	.661/.654	22°30'	.668/.661	.778	.788/.784	.826/.816	1.452	1.452	2.300	.750	1.347	1.611	1.010
19	.800/.793	22°30'	.806/.799	.963	.973/.969	1.013/1.003	1.452	1.452	2.435	.750	1.347	1.746	1.070
27	.995/.948	22°30'	.961/.954	1.089	1.099/1.095	1.138/1.128	1.452	1.452	2.534	.750	1.347	1.845	1.130
37	1.077/1.070	22°30'	1.083/1.076	1.214	1.224/1.220	1.263/1.253	1.452	1.452	2.667	.750	1.347	1.978	1.190
61	1.365/1.358	22°30'	1.367/1.360	1.463	1.471/1.467	1.514/1.504	1.452	1.452	2.914	.750	1.347	2.220	1.335

TABLE 2 - KEYWAY POSITIONS

SHELL 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°