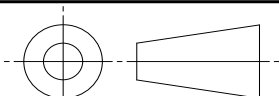


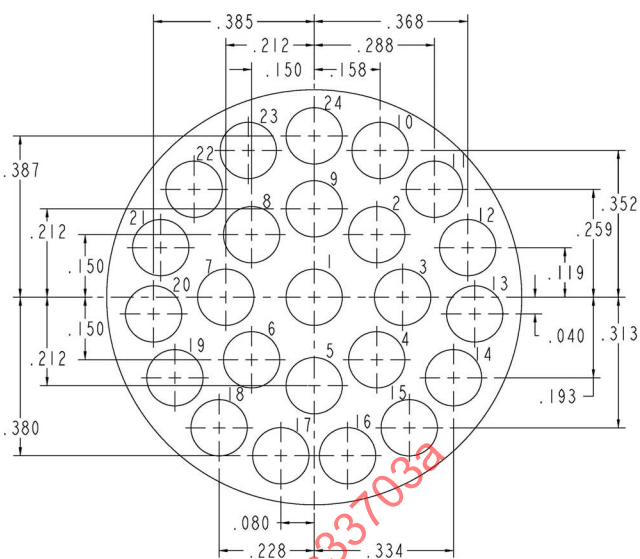
REV. A			FEDERAL SUPPLY CLASS 5935
SAE AS33703	RATIONALE REVISED TO PROVIDE LEGIBLE DRAWINGS NOTICE THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS33703F, AMENDMENT 1, NOTICE 1, AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS33703F, AMENDMENT 1, NOTICE 1,. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED. THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT. UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS SAE TECHNICAL DOCUMENT.		
		SAE values your input. To provide feedback on this Technical Report, please visit http://www.sae.org/technical/standards/AS33703A	THIRD ANGLE PROJECTION 
CUSTODIAN: SAE AE-8/AE-8C1		PROCUREMENT SPECIFICATION: MIL-C-81703	
	AEROSPACE STANDARD INSERT ARRANGEMENTS, ELECTRIC CONNECTOR, SHELL SIZE 37		SAE AS33703 SHEET 1 OF 4 REV. A

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ISSUED 2002-02 REVISED 2010-06

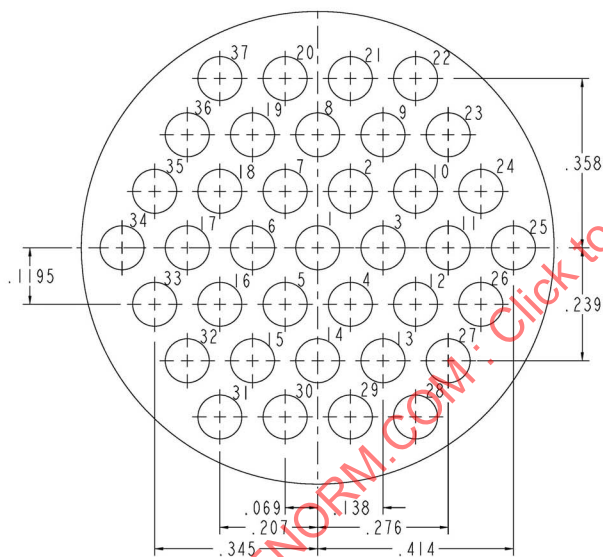
CONTACTS:
SERVICE RATING: I

INSERT ARR.



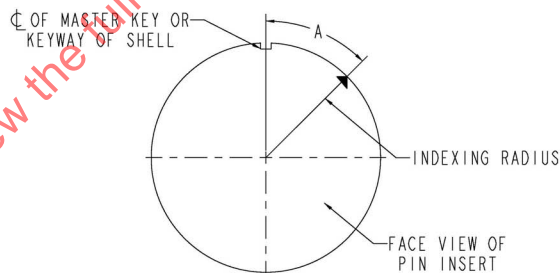
CONTACT (24) #16
SERVICE RATING: I

INSERT ARR. 37-2



CONTACT (37) #20
SERVICE RATING: I

(c)
INSERT ARR. 37-50



INSERT POSITION FIGURE

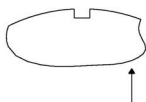
INSERT ARR	INSERT POSITION A DEGREES					
	N	W	X	Y	B	C
37-50 (C)	0°	25°	50°	75°	150°	225°
37-2	0°	25°	145°	227.5°	(b)	(b)

(a) ↑ TO BE WITHIN .006 INCHES OF THE REQUIRED POSITION

(b) THESE INSERT POSITIONS ARE NOT TO BE PROVIDED

(c) INSERT ARR 37-60 SUPERCEDES AND IS
INTERCHANGEABLE WITH INSERT ARR 37

DIMENSIONS AND MARKINGS SHOWN ARE FOR FRONT FACE OF PIN INSERT (SOCKET INSERT OPPOSITE).
UNLESS OTHERWISE INDICATED, DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINE.



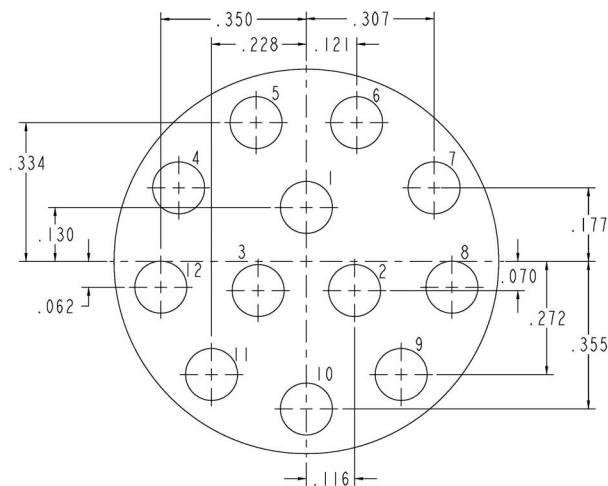
INDICATES "MASTER KEY OR KEYWAY OF SHELL."

INDICATING TERMINUS OF "INDEXING RADIUS OF INSERT" SHALL BE PERMANENTLY MARKED ON THE INSERT.

IN "N" POSITION THE INDEXING RADIUS COINCIDES WITH ϕ OF THE "MASTER KEYWAY OF SHELL."

IN OTHER THAN "N" POSITION THE PIN INSERT IS ROTATED A DEGREES CLOCKWISE RELATIVE TO
 ϕ OF THE "MASTER KEY OR KEYWAY OF SHELL" AS INDICATED.

IN OTHER THAN "N" POSITION THE SOCKET INSERT IS ROTATED A DEGREES COUNTER-CLOCKWISE RELATIVE TO
 ϕ OF THE "MASTER KEY OR KEYWAY OF SHELL".

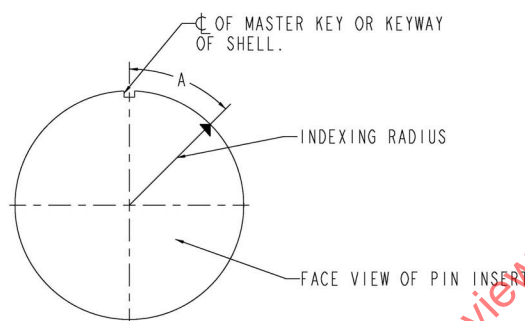


CONTACT (12) #12
SERVICE RATING: I

INSERT ARR. 37-3

CONTACTS:
SERVICE RATING:

INSERT ARR.



INSERT POSITION FIGURE

INSERT ARR	INSERT POSITION A DEGREES					
	N	W	X	Y	B	C
37-3	0°	20°	70°	(b)	(b)	(b)

(a) ↑ TO BE WITHIN .005 INCHES OF THE REQUIRED POSITION

(b) THESE INSERT POSITIONS ARE NOT TO BE PROVIDED

NOTES:

RECEPTACLES (REF)	PLUGS (REF)
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MS3130	MS3137
MS3132	MS3138
MS3134	MS3147
MS3139	MS3148
MS3140	MS3446
MS3143	MS3467
MS3144	MS3468
MS3145	MS3445
MS3149	
MS3424	
MS3463	
MS3464	
MS3466	
MS3469	