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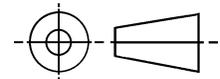
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THIRD ANGLE PROJECTION



ISSUED 2002-02

CUSTODIAN: SAE AE-8/AE-8C1

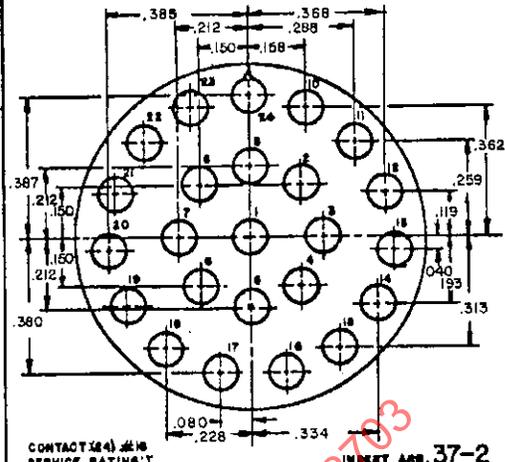
PROCUREMENT SPECIFICATION: MIL-C-81703



AEROSPACE STANDARD

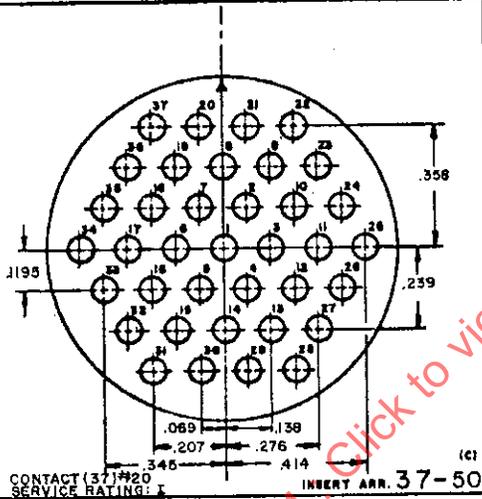
INSERT ARRANGEMENTS, ELECTRIC CONNECTOR, SHELL SIZE 37

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SHEET 1 OF 4

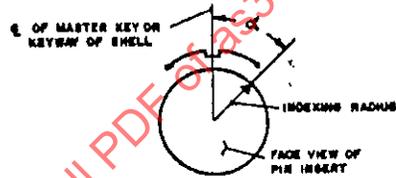


CONTACT: (37) #20
SERVICE RATING: I

CONTACT (37) #20
SERVICE RATING: I



CONTACT (37) #20
SERVICE RATING: I



INSERT POSITION FIGURE

INSERT ARR.	INSERT POSITIONS α DEGREES (α)					
	N	W	X	Y	B	C
37-50(C)	0°	28°	60°	78°	100°	228°
37-2	0°	28°	148°	227 1/2°	(b)	(b)

- (a) ↑ TO BE WITHIN .008 INCHES OF THE REQUIRED POSITION.
- (b) THESE INSERT POSITIONS ARE NOT TO BE PROVIDED.
- (c) INSERT ARR 37-50 SUPERSEDES 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 KEY OR KEYWAY OF SHELL".
 IN OTHER THAN "N POSITION" THE PIN INSERT IS ROTATED α 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 α DEGREES COUNTER-CLOCKWISE RELATIVE TO φ OF THE "MASTER KEY OR KEYWAY OF SHELL".

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RECEPTACLES (Ref)

<u>MS3130</u>	<u>PLUGS (Ref)</u>
MS3132	MS3137
MS3134	MS3138
MS3139	MS3147
MS3140	MS3148
MS3143	MS3446
MS3144	MS3467
MS3145	MS3468
MS3149	MS3445
MS3424	
MS3463	
MS3464	
MS3466	
MS3469	

DIMENSIONS IN INCHES. ANGLES IN DEGREES. TOLERANCES: DECIMALS \pm .005.

THIS IS A DESIGN STANDARD. NOT TO BE USED AS A PART NUMBER.

FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

REFERENCES DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

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