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AS33701

FEDERAL SUPPLY CLASS
5935

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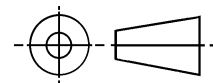
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THIRD ANGLE PROJECTION



ISSUED 2002-02

CUSTODIAN: SAE AE-8/AE-8C1

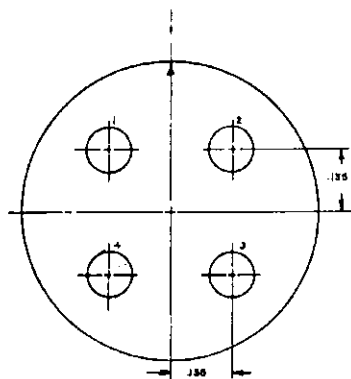
PROCUREMENT SPECIFICATION: MIL-C-81703

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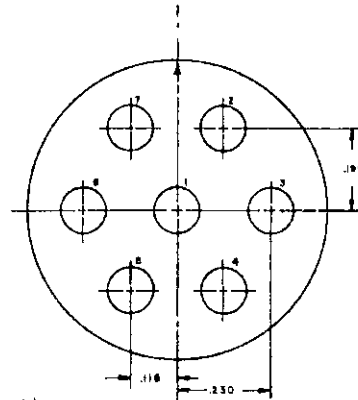
AEROSPACE STANDARD

INSERT ARRANGEMENTS, ELECTRIC
CONNECTOR, SHELL SIZE 19

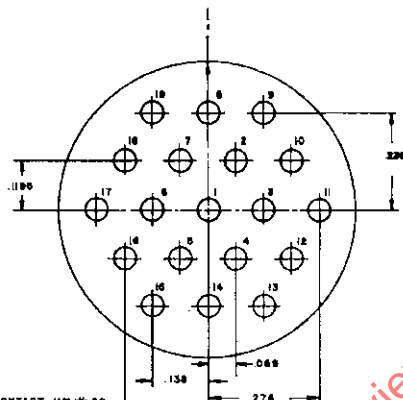
AS33701
SHEET 1 OF 4

CONTACT (4) 12
SERVICE RATING: I

INSERT ARR. 19-4

CONTACT (7) 12
SERVICE RATING: I

INSERT ARR. 19-7

CONTACT (20) 20
SERVICE RATING: I

INSERT ARR. 19-50 (C)



INSERT POSITION FIGURE

INSERT ARR.	INSERT POSITIONS α DEGREES (a)					
	NORMAL	W	X	Y	B	C
(C) 19-50	0°	(a)	(a)	76°	180°	288°
19-4	0°	(a)	(a)	22 1/2°	138°	247 1/2°
19-7	0°	(a)	(a)	70°	180°	225°

- (a) α TO BE WITHIN .005 INCHES OF THE REQUIRED POSITION.
- (b) THESE INSERT POSITIONS ARE NOT TO BE PROVIDED.
- (c) INSERT ARR. 19-50 SUPERSEDES AND IS INTERCHANGEABLE WITH INSERT ARR. 19.

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."

INDICATES TERMINUS OF INDEXING RADIUS OF INSERT"

IN NORMAL POSITION, THE INDEXING RADIUS COINCIDES WITH ϕ OF THE "MASTER KEY OR KEYWAY OF SHELL."

IN ALTERNATE POSITIONS, THE PIN INSERT IS ROTATED α DEGREES CLOCKWISE RELATIVE TO ϕ OF THE MASTER KEY OR KEYWAY OF SHELL AS INDICATED.

IN ALTERNATE POSITIONS, THE SOCKET INSERT IS ROTATED α DEGREES COUNTER-CLOCKWISE RELATIVE TO ϕ OF THE MASTER KEY OR KEYWAY OF SHELL."

AS33701

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.

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

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