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AS33703

FEDERAL SUPPLY CLASS
5935

NOTICE

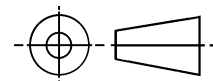
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THIRD ANGLE PROJECTION



ISSUED 2002-02

CUSTODIAN: SAE AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-81703

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space®
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

INSERT ARRANGEMENTS, ELECTRIC
CONNECTOR, SHELL SIZE 37

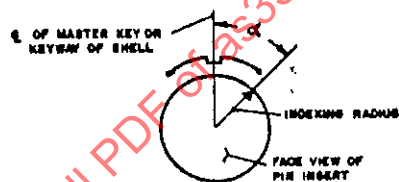
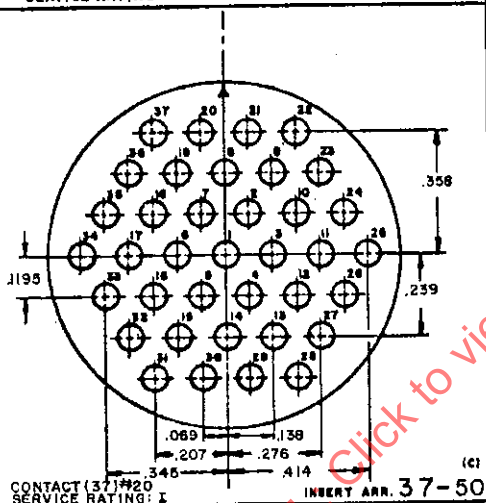
AS33703
SHEET 1 OF 4

CONTACT:
SERVICE RATING:

INSERT ARR.

CONTACT (SE4) 4418
SERVICE RATING: I

INSERT ARR. 37-2



INSERT POSITION FIGURE

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

- (a) $\uparrow$ TO BE WITHIN .006 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.

$\curvearrowright$ INDICATES "MASTER KEY OR KEYWAY OF SHELL."

$\uparrow$ INDICATING TERMINUS OF "INDEXING RADIUS OF INSERT" SHALL BE PERMANENTLY MARKED ON THE INSERT

"N POSITION" THE INDEXING RADIUS COINCIDES WITH $\curvearrowright$ OF THE "MASTER KEY OR KEYWAY OF SHELL."

IN OTHER THAN "N POSITION" THE $\curvearrowright$ INSERT IS ROTATED α DEGREES CLOCKWISE RELATIVE TO $\curvearrowright$ 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 $\curvearrowright$ OF THE "MASTER KEY OR KEYWAY OF SHELL."

RECEPTACLES (Ref)

MS3130

MS3132

MS3134

MS3139

MS3140

MS3143

MS3144

MS3145

MS3149

MS3424

MS3463

MS3464

MS3466

MS3469

PLUGS (Ref)

MS3137

MS3138

MS3147

MS3148

MS3446

MS3467

MS3468

MS3445

DIMENSIONS IN INCHES. ANGLES IN DEGREES. TOLERANCES: DECIMALS ± 0.005 .

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.