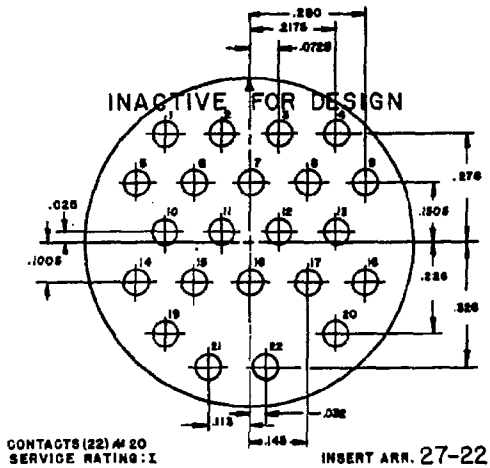
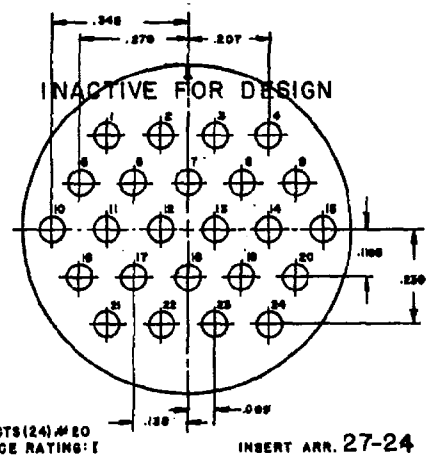
FED. SUP CLASS



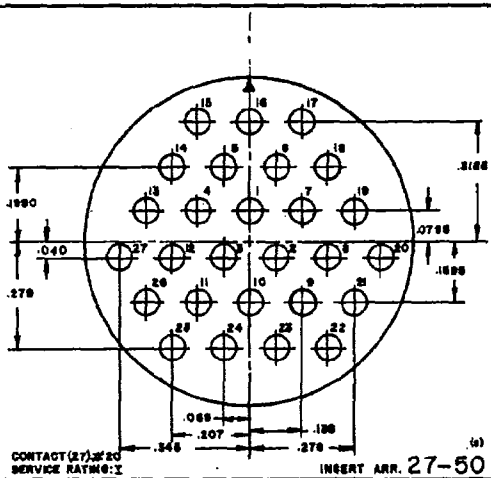
CONTACTS (22) #20
SERVICE RATING: I

INSERT ARR. 27-22



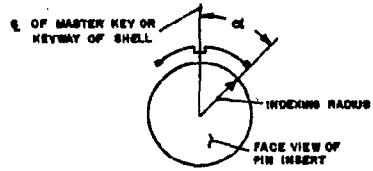
CONTACTS (24) #20
SERVICE RATING: I

INSERT ARR. 27-24



CONTACT (27) #20
SERVICE RATING: I

INSERT ARR. 27-50



INSERT POSITION FIGURE

INSERT ARR.	INSERT POSITIONS α DEGREES (a)					
	N	W	X	Y	B	C
(c) 27-50	0°	25°	50°	75°	150°	225°
27-22	0°	25°	50°	75°	150°	225°
27-24	0°	25°	50°	75°	150°	225°

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

(b) THESE INSERT POSITIONS ARE NOT TO BE PROVIDED.

(c) INSERT ARR. 27-50 SUPERSEDES AND IS INTERCHANGEABLE WITH INSERT ARR. 27

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 INSERT.

IN "N" POSITION THE INDEXING RADIUS COINCIDES WITH ℄ OF THE "MASTER KEY OR KEYWAY OF SHELL".

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

DIMENSIONS IN INCHES. ANGLES IN DEGREES. TOLERANCES: DECIMALS ± .006.

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 INVITATION FOR BID.

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

P.A. NAVY-AS Other Cust	International interest	TITLE INSERT ARRANGEMENTS, ELECTRIC CONNECTOR, SHELL SIZE 27	MILITARY STANDARD MS 33702 (NAVY)
Procurement Specification MIL-C-81703		SUPERSEDES:	SHEET 1 OF 3

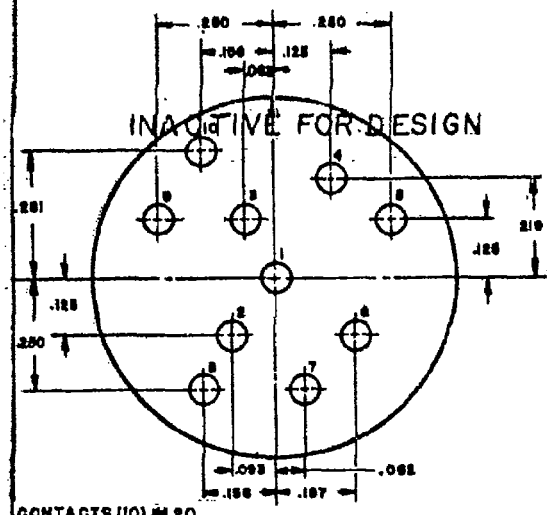
DD FORM 10 APR 64 672 PREVIOUS EDITIONS ARE OBSOLETE. 5935-N668-21

(Limited Coordination)

1 APPROVE 28 FEB 61 REVISED (A) 6 SEPT 62 (B) 1 OCT 62 (C) 1 NOV 1965 (D) 18 Sept 1969 (E) 21 July 1971

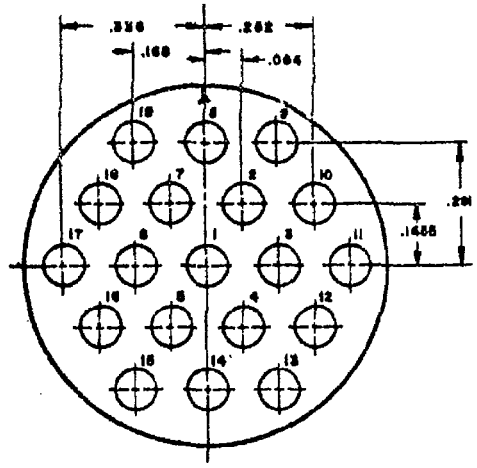
This standard has been approved by the Department of the NAVY and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

FED. SUP CLASS
5935



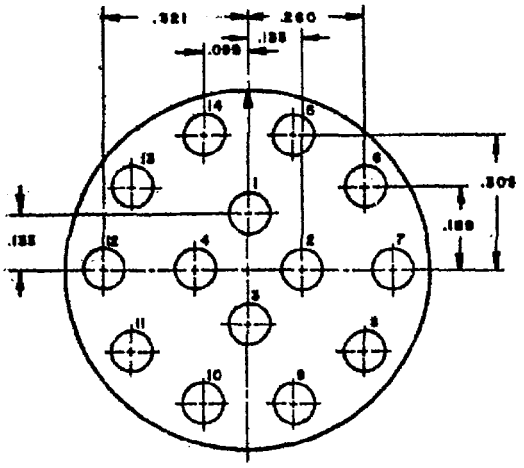
CONTACTS (10) #20
SERVICE RATING: I

INSERT ARR. 27-4



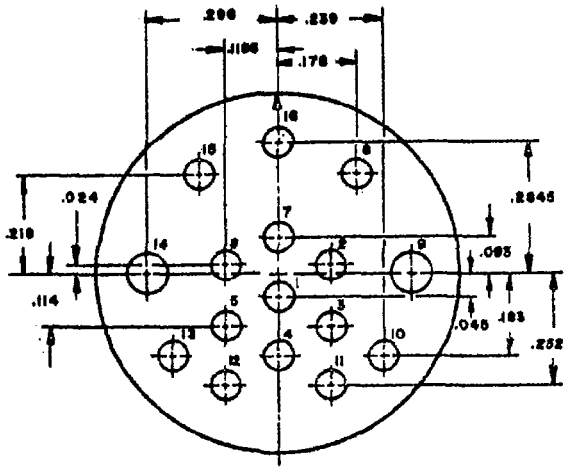
CONTACTS: (19) #16
SERVICE RATING: I

INSERT ARR. 27-5



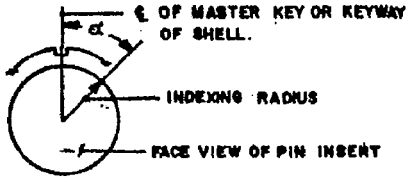
CONTACTS: (14) #16
SERVICE RATING: II

INSERT ARR. 27-2



CONTACTS: (14) #20, (2) #16
SERVICE RATING: I

INSERT ARR. 27-3



INSERT POSITION FIGURE

INSERT ARR.	INSERT POSITIONS α DEGREES (a)						
	N	W	X	Y	Z	B	C
27-2	0°	25°	50°	75°	(b)	150°	225°
27-3	0°	25°	50°	75°	(b)	150°	225°
27-4	0°	25°	50°	75°	(b)	150°	225°
27-5	0°	(b)	(b)	75°	(b)	150°	225°

(a) ♠ TO BE WITHIN .005 INCH OF THE REQUIRED POSITION.
(b) THESE INSERT POSITIONS ARE NOT TO BE PROVIDED.

NOTES:

APPROVED 28 FEB 61 REVISED (A) SHEETS 2 AND 3 ADDED (C) SEE SHEET 1, 2 & 3 (D) FOR CHANGES SEE SHEET 1 (E) 21 July 1971

P.A. NAVY-AS	International Interest	TITLE INSERT ARRANGEMENT, ELECTRIC CONNECTOR, SHELL SIZE 27	MILITARY STANDARD
Other Cust			MS 33702 (NAVY)
Procurement Specification MIL-C-81703		SUPERSEDES:	SHEET 2

DD FORM 10 APR 64 672 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

(Limited Coordination)

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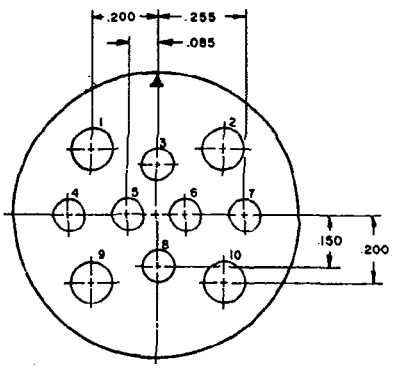
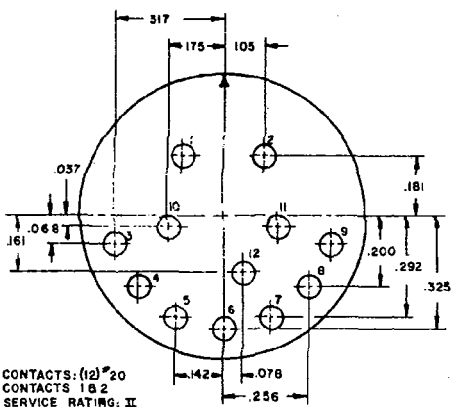
FED. SUP CLASS
5935

CONTACTS:
SERVICE RATING:
INSERT ARR.-

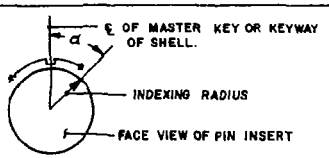
CONTACTS:
SERVICE RATING
INSERT ARR.-



CONTACTS: (6)#16, (4)#12
SERVICE RATING: I
INSERT ARR. 27-8



CONTACTS: (12)#20
CONTACTS 1 & 2
SERVICE RATING: II
ALL OTHERS—
SERVICE RATING: I
INSERT ARR 27-11



INSERT POSITION FIGURE

INSERT ARR.	INSERT POSITIONS α DEGREES (a)						
	N	W	K	Y	Z	B	C
27-8	0°	25°	50°	75°	(b)	150°	225°
27-11	0°	25°	50°	75°	(b)	150°	225°

(a) ↑ 35 WITHIN .005 INCH OF THE REQUIRED POSITION.
(b) THESE INSERT POSITIONS ARE NOT TO BE PROVIDED.

NOTES.

APPROVED 28 FEB 61 REVISED (A) SHEETS 2 AND 3 ADDED. (B) SEE SHEET 1 (C) SEE SHEET 1, 2 & 3 (D) FOR CHANGES SEE SHEET 1 (E) 21 Jan 72

P.A. NAVY-AS	International interest	TITLE	MILITARY STANDARD
Other Cust		INSERT ARRANGEMENT, ELECTRIC CONNECTOR, SHELL SIZE 27	MS33702 (NAVY)
Procurement Specification MIL-C-81703		SUPERSEDES:	SHEET 3

DD FORM 10 APR 64 672

This standard has been approved by the Department of the NAVY and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.