NOTE: The cover page of this standard has been changed for administrative reasons. There are no other changes to this document.

INCH-POUND

MIL-STD-1674 25 October 1977

DEPARTMENT OF DEFENSE

INTERFACE STANDARD

INSERT ARRANGEMENTS
FOR
MIL-C-85028(AS) CONNECTOR, ELECTRIC, RECTANGULAR,
INDIVIDUAL CONTACT SEALING, POLARIZED CENTER JACKSCREW



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DEPARTMENT OF DEFENSE WASHINGTON, D.C. 20301

Insert Arrangements for MIL-C-85028(AS) Connector, Electric, Rectangular, Individual Contact Sealing, Polarized Center Jackscrew.

MIL-STD-1674(AS)

- 1. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense.
- 2. Recommended corrections, additions, or deletions should be addressed to the Commander, Naval Air Engineering Center, ESSD (Code 93), Lakehurst, New Jersey 08733.

N 3

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GENERAL

1.1 Scope - This standard covers insert arrangements for use with MIL-C-85028(AS) Rectangular Electric Connectors.

2. REFERENCED DOCUMENTS

2.1 The issue of the following documents in effect on the date of invitation for bids forms a part of this specification to the extent specified herein.

SPECIFICATION

Military

MIL-C-85028(AS)

Connectors, Electrical, Rectangular, Individual Contact Sealing, Polarized Center Jackscrew, General Specification

(Copies of specifications, standards, drawings and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other Publications - The following document forms a part of this standard to the extent specified herein.

ANSI Y14.5 - 1973

Dimensioning and Tolerancing

(Application for copies should be addressed to American National Standards Institute, Inc., 1430 Broadway, New York, New York 10018.)

3. DEFINITIONS

- 3.1 The terms used in this standard are generally accepted by the electrical and electronics industries and commonly used in electrical connector engineering practice.
- GENERAL REQUIREMENTS

Not Applicable.

DETAIL REQUIREMENTS

5.1 <u>Dimensions</u> - Dimensions shall be in accordance with the applicable section of this standard and the following dimensional data:

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- (a) Dimensioning and tolerancing in accordance with ANSI Y14.5 - 1973. Dimensions are true position and are in inches.
- (b) Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
- (c) Dimensions and markings shown are for engaging face of pin insert; socket insert is opposite.
- (d) Contact holes in insert shall be located on TP (true position) within .005 (.13 mm) diameter circle.
- (e) Tolerances are: XXX \pm .010, XX \pm .030 and angles \pm 00 30'.
- (f) Polarization shall be in accordance with MIL-C-85028(AS).
- 5.2 Contacts Contacts shall be in accordance with MIL-C-39029/69(AS), MIL-C-39029/70(AS), or the applicable connector specification sheet.
- 5.3 Marking Marking shall be in accordance with MIL-C-85028(AS) and as shown in the applicable section of this standard.

Custodian:

Preparing Activity:

Navy - AS

Navy - AS

Review Activities:

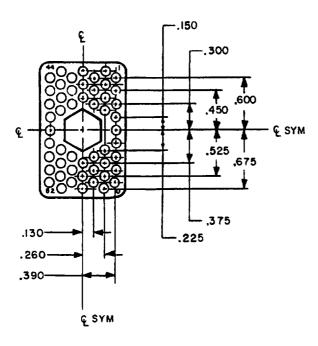
(Project No. 5935-N033-10)

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SECTION 10

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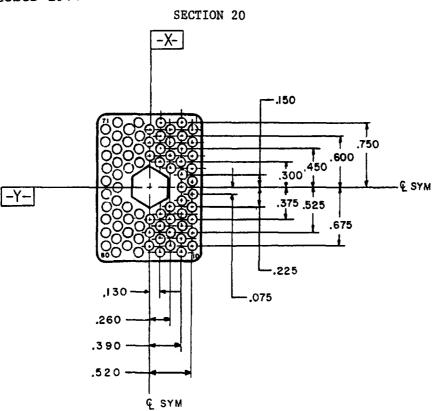
ARRANGEMENT 1

INCHES	MM	INCHES	MM
.130	3.30	.390	9.91
.150	3.81	.450	11.43
.225	5.72	.525	13.33
.260	6.60	.600	15.24
.300	7.62	.675	17.15
.375	9.53	-	

ARRANGEMENT	NUMBER OF	SIZE
NO.	CONTACTS	CONTACTS
10.1	52	16

Figure 10.1

Shell Style 10, Arrangement 10.1, 52 Contacts, Size 16



ARRANGEMENT 1

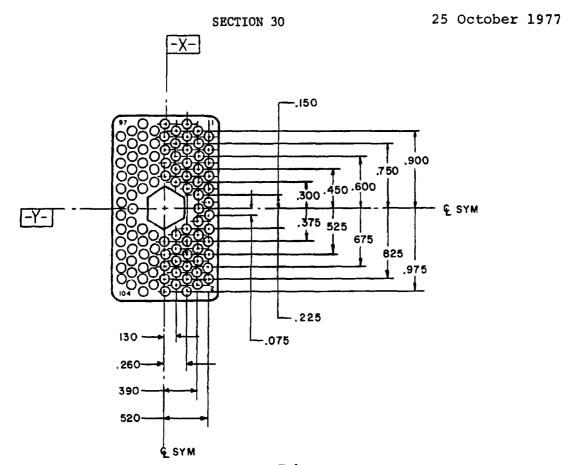
INCHES	MM	INCHES	MM
.075	1.91	.390	9.91
.130	3.30	.450	11.43
.150	3.81	.520	13.21
.225	5.72	.525	13.34
.260	6.60	.600	15.24
.300	7.62	.675	17.15
.375	9.53	.750	19.05

ARRANGEMENT	NUMBER OF	SIZE
NO.	CONTACTS	CONTACTS
20.1	80	16

Figure 20.1

Shell Style 20, Arrangement 20.1, 80 Contacts, Size 16

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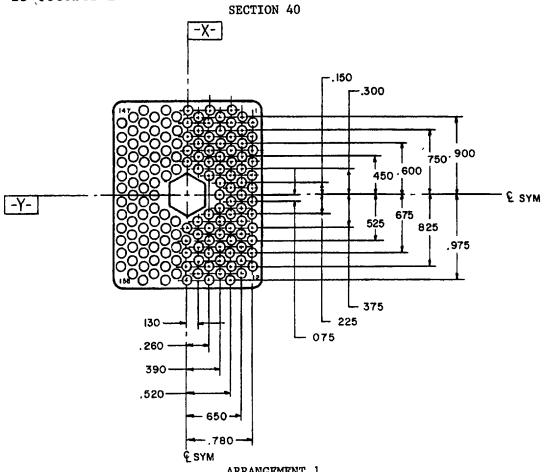
ARRANGEMENT 1

INCHES	MM	INCHES	MM	INCHES	MM
.075	1.91	.375	9.53	.675	17.15
.130	3.30	.390	9.91	.750	19.05
.150	3.81	11 .450	11.43	.825	20.96
.225	5.72	.520	13.21	.900	22.86
.260	6.60	.525	13.34	.975	24.77
.300	7.62	.600	15.24		

ARRANGEMENT	NUMBER OF	SIZE
NO.	CONTACTS	CONTACTS
30.1	104	16

Figure 30.1

Shell Style 30, Arrangement 30.1, 104 Contacts, Size 16



ARRANGEMENT	1
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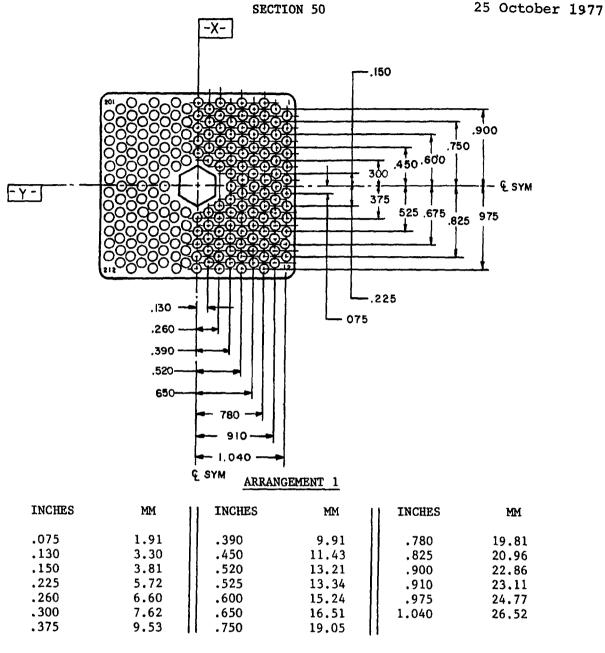
INCHES	MM	INCHES	MM	INCHES	MM
.075	1.91	.375	9.53	.650	16.51
.130	3.30	.390	9.91	.675	17.15
.150	3.81	.450	11.43	.750	19.05
.225	5.72	.520	13.21	.780	19.81
.260	6.60	.525	13.34	.825	20.96
.300	7.62	.600	15.24	.900	22.86
	•	1 1		.975	24,77

ARRANGEMENT	NUMBER OF	SIZE
NO.	CONTACTS	CONTACTS
40.1	158	

Figure 40.1

Shell Style 40, Arrangement 40.1, 158 Contacts, Size 16

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ARRANGEMENT	NUMBER OF	SIZE
NO.	CONTACTS	CONTACTS
50.1	212	16

Figure 50.1

Shell Style 50, Arrangement 50.1, 212 Contacts, Size 16

STANDARDIZATION DOCUMENT IMPROV	EMENT PROPOSAL	No 22-R255		
INSTRUCTIONS The purpose of this form is to solicit beneficial comments which will help achieve procurement of suitable products at reasonable cost and minimum delay, or will otherwise enhance use of the document DoD contractors, government activities, or manufacturers/vendors who are prospective suppliers of the product are invited to submit comments to the government. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements. Attach any pertinent data which may be of use in improving this document. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity. MIL-STD-1674 (AS)				
DOCUMENT IDENTIFIER AND TITLE INSERT ARRAN	GEMENTS FOR MIL-	C-85028(AS) CONNECTOR.		
ELECTRIC, RECTANGULAR, INDIVIDUAL CO	NTACT SEALING, P	OLARIZED CENTER JACKSCR		
NAME OF ORGANIZATION AND ADDRESS	CONTRACT NUMBER			
	MATERIAL PROCURED U	NDER A		
	DIRECT GOVERNMEN	T CONTRACT SUBCONTRACT		
1 HAS ANY PART OF THE DOCUMENT CREATED PROBI USE? A GIVE PARAGRAPH NUMBER AND WORDING	_EMS OR REQUIRED INTE	RPRETATION IN PROCUREMENT		
B RECOMMENDATIONS FOR CORRECTING THE DEPL	CIENCIES			
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2 COMMENTS ON ANY DOCUMENT REQUIREMENT CONS	DERED TOO RIGID			
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IS THE DOCUMENT RESTRICTIVE?				
YES NO (If "Yes", in what way?)				
4 REMARKS				
SUBMITTED BY (Printed or typed name and eddress - Option.	el) TELE	PHONE NO		
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	DATE	:		

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