

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-1672
5 November 1975
SUPERSEDING
MIL-C-81582/3(NAVY)
15 October 1968

DEPARTMENT OF DEFENSE

INTERFACE STANDARD

**CONNECTOR, UMBILICAL,
INSERT ARRANGEMENTS**



MIL-STD-1672
5 November 1975
SUPERSEDING
MIL-C-81582/3(NAVY)
15 October 1968

MILITARY STANDARD

CONNECTOR, UMBILICAL, INSERT ARRANGEMENTS

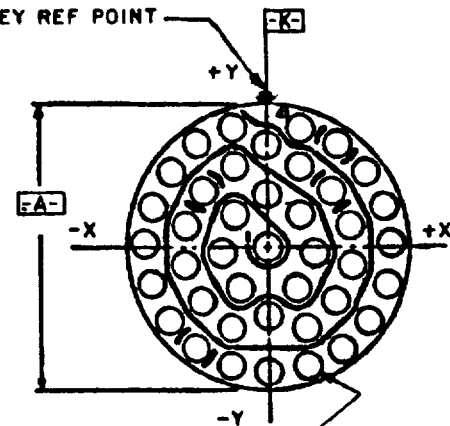
This Military Standard is approved for use by all
Departments and Agencies of the Department of Defense.

1. SCOPE. This standard covers insert arrangements for use with MIL-C-81582 umbilical connectors.

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

MASTER KEY REF POINT

Contact location								
Contact number	Location		Contact number	Location		Contact number	Location	
	X axis	Y axis		X axis	Y axis		X axis	Y axis
1	000	000	15	000	-.222	29	-.338	-.240
2	-.111	+ .105	16	+ .124	-.262	30	-.245	-.333
3	-.156	-.018	17	+.222	-.176	31	-.129	-.302
4	-.096	-.134	18	+.280	-.059	32	.000	-.413
5	+.096	-.134	19	+.275	+ .071	33	+.129	-.392
6	+.156	-.018	20	+.214	+ .186	34	+.245	-.333
7	+.111	+ .105	21	+.111	+ .265	35	+.338	-.240
8	.000	+ .172	22	.000	+ .335	36	+.394	-.123
9	-.111	+ .265	23	-.116	+ .395	37	+ .412	+ .006
10	-.214	+ .186	24	-.234	+ .339	38	+.389	+ .134
11	-.275	+ .071	25	-.328	+ .249	39	+.328	+ .249
12	-.280	-.059	26	-.389	+ .134	40	+.234	+ .339
13	-.222	-.176	27	-.412	+ .006	41	+.116	+ .395
14	-.124	-.262	28	-.394	-.123			



NOTES:

1. ∇ indicates CL of insert arrangement and master key or keyway of connector shell. Normal position shown.
2. All dimensions (TP) are in inches and are true positional.
3. Markings shown are for socket insert front face and pin grommet. Pin insert and socket grommet are the opposite.
4. For datum A (∇ -A-) refer to applicable specification sheets.
5. Dimensioning and tolerancing in accordance with USASI Y 14 5-1968 (ANSI)
6. Unless otherwise indicated, dimensions are symmetrical about centerlines of insert and shell.

∇ K | A | O21 RECEPTACLE
 ∇ K | A | O18 PLUG
(41 PLACES)

Arrangement No.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes document	Shell size
-3	41	20	I	See table	MIL-C-81582/3(NAVY)	22

Custodians
Army - EL
Navy - AS
Air Force - 80

Preparing activity:
Navy - AS
(Project 5935-1953-10)

Review activities
Army - MU
Navy - SH
Air Force - 11, 15, 80
DSA - ES

User activity
Navy - SH

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL		OMB Approval No. 22-R255
<p>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.</p>		
DOCUMENT IDENTIFIER AND TITLE		
NAME OF ORGANIZATION AND ADDRESS	CONTRACT NUMBER	
	MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT	
<p>1. HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED IN TERPRETATION IN PROCUREMENT USE?</p> <p>A. GIVE PARAGRAPH NUMBER AND WORDING.</p> <p>B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>		
2 COMMENTS ON ANY DOCUMENT REQUIREMENT CONSIDERED TOO RIGID		
<p>3 IS THE DOCUMENT RESTRICTIVE?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO (If "Yes", in what way?)</p>		
4 REMARKS		
SUBMITTED BY (Printed or typed name and address - Optional)	TELEPHONE NO	
	DATE	