

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



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5 November 1975
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MIL-C-81582/3(NAVY)
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MILITARY STANDARD

CONNECTOR, UMBILICAL, INSERT ARRANGEMENTS

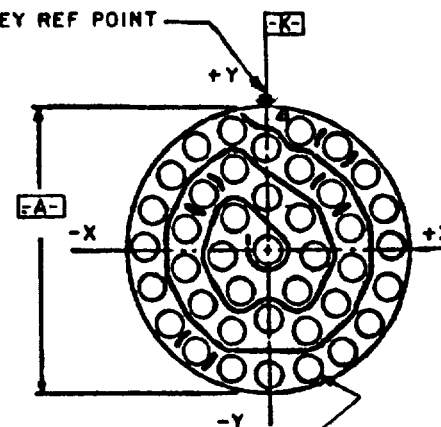
This Military Standard is approved for use by all
Departments and Agencies of the Department of Defense.

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	
	X axis	Y axis		X axis	Y axis
1	.000	.000	15	.000	-.222
2	-.111	+.105	16	+.124	-.262
3	-.156	-.018	17	+.222	-.176
4	-.096	-.134	18	+.280	-.059
5	+.096	-.134	19	+.275	+.071
6	+.156	-.018	20	+.214	+.186
7	+.111	+.105	21	+.111	+.265
8	.000	+.172	22	.000	+.335
9	-.111	+.265	23	-.116	+.395
10	-.214	+.186	24	-.234	+.339
11	-.275	+.071	25	-.328	+.249
12	-.280	-.059	26	-.389	+.134
13	-.222	-.176	27	-.412	+.006
14	-.124	-.262	28	-.394	-.121
			29	-.336	-.240
			30	-.245	-.333
			31	-.129	-.392
			32	.000	-.413
			33	+.129	-.392
			34	+.245	-.333
			35	+.336	-.240
			36	+.394	-.123
			37	+.412	+.006
			38	+.389	+.134
			39	+.328	+.249
			40	+.234	+.339
			41	+.116	+.395



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 () refer to applicable specification sheets.
5. Dimensioning and tolerancing in accordance with USASI Y 14.5-1966 (ANSI).
6. Unless otherwise indicated, dimensions are symmetrical about centerlines of insert and shell.

K | A | 021 RECEPTACLE
 K | A | 018 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

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

User activity
Navy - SH

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

