

INCH-POUND

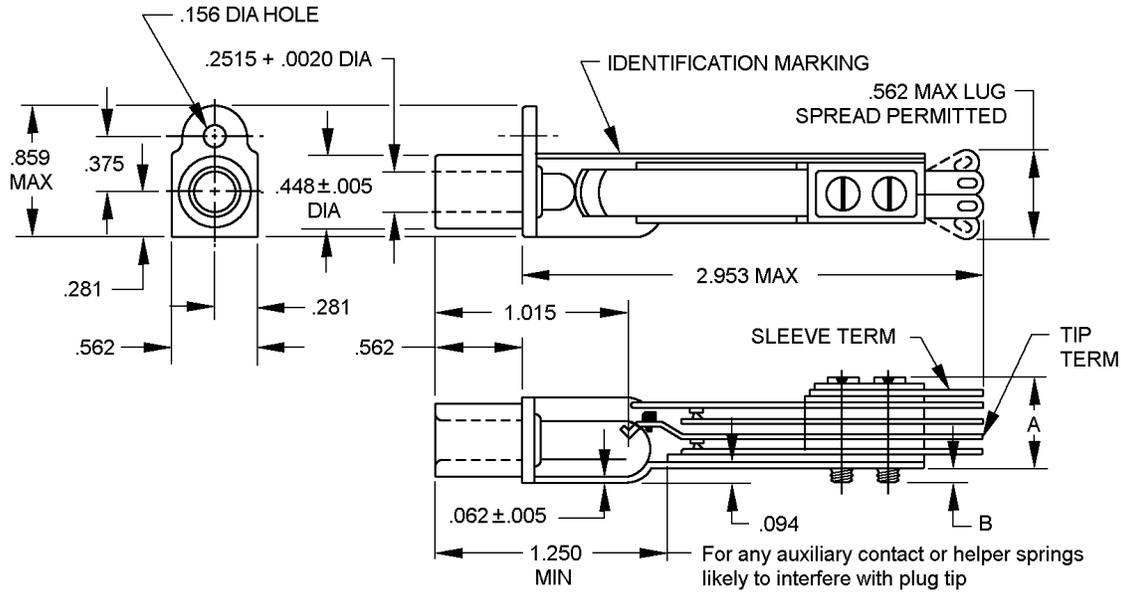
MIL-DTL-641/2E
 18 October 2013
 SUPERSEDING
 MIL-J-641/2D
 03 July 1973

DETAIL SPECIFICATION SHEET

JACKS, TELEPHONE
 TYPES JJ-016, JJ-017, JJ-024, JJ-035, JJ-072, JJ-084, JJ-085, JJ-086 AND JJ-087

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

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-641.



Inches	mm	Inches	mm	Inches	mm
.002	0.05	0.438	11.13	0.781	19.84
.005	0.13	0.448	11.38	0.844	21.44
.015	0.38	0.500	12.70	0.859	21.82
.040	1.02	0.562	14.27	0.906	23.01
.062	1.57	0.594	15.09	0.922	23.42
.094	2.39	0.625	15.88	1.015	25.78
.156	3.96	0.656	16.66	1.094	27.79
0.2515	6.39	0.719	18.26	1.250	31.75
0.281	7.14	0.750	19.05	2.953	75.01
0.375	9.53				

- NOTES:
1. Dimensions are in inches.
 2. Metric equivalents are given for information only.
 3. Jacks may be multiple mounted on a panel in accordance with the minimum center to center dimensions specified in table I.
 4. Arrangement of contact spring lifters is optional.

FIGURE 1. Dimensions and configuration.

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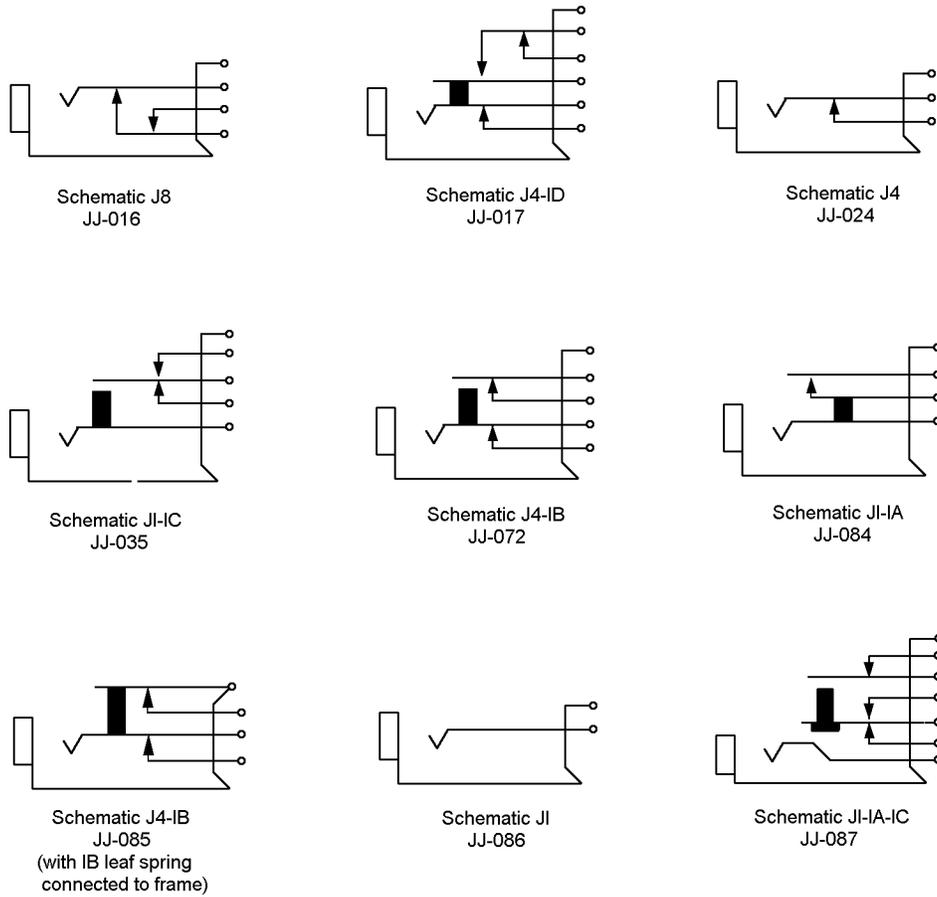


FIGURE 1. Dimensions and configuration - Continued.

TABLE I. Dimensions.

Type	A max	B max	Center to center dimensions for multiple mounting panel	
			In direction of pileup (min)	At right angle to pileup (min)
JJ-016	.562	.040	.719	.922
JJ-017	.750	.062	.904	
JJ-024	.500	.040	.456	
JJ-035	.425	.062	.781	
JJ-072	.425	.062	.781	
JJ-084	.425	.062	.781	
JJ-085	.562	.040	.781	
JJ-086	.438	.062	.594	
JJ-087	.644	.062	1.094	

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

Insertion and withdraw forces shall be as follows.

- Insertion force - 7 pounds (maximum).
- Withdraw force - 1.5 pounds (minimum).
- 7 pounds (maximum).

Spring life test is applicable. Test plug TP55, in accordance with MIL-DTL-641, shall be used.

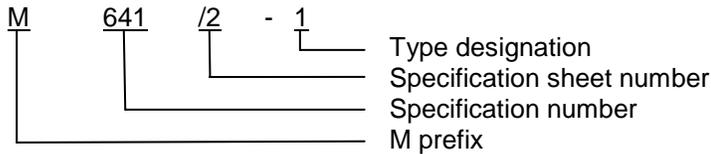
Frame strength test is applicable.

Terminal of tip contact spring shall be on left side when terminals are viewed from the rear, with the jack in a position such that the contact spring pileup is on top of the jack frame.

Cutout in jack frame shall be positioned so that a minimum of .016 inch (.4mm) clearance exists between the tip of the TP55 plug and the edge of the frame cutout at all times during insertion of the plug.

Ground terminal shall be placed on top of pileup, as shown in schematic.

The Part or Identifying Number (PIN) consists of the letter M, the basic specification number, the specification sheet number, and a number for jack type. (see table II)



PIN example: M641/2-1 indicates type JJ-016 telephone jack.

TABLE II. PIN.

Dash number	Type designation	Connection	Mounting	Switching action upon insertion of plug ^{1/}
1	JJ-016	Tip and sleeve	Single lug	One make - break
2	JJ-017			One make - break, one break
3	JJ-024			One break
4	JJ-035			One break - make
5	JJ-072			Two breaks
6	JJ-084			One make
7	JJ-085			Two breaks
8	JJ-086			None
9	JJ-087			One break - make, one make

^{1/} The hyphen indicates sequence.

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Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. This document references MIL-DTL-641.

CONCLUDING MATERIAL

Custodians:

Army – CR
Navy – EC
Air Force – 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-2013-029)

Review activities:

Army – AR, AT, CR4, MI
Navy – AS, MC, OS, SH
Air Force – 11, 19, 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil> .