

INCH-POUND

MIL-DTL-641/22A
9 June 2003
SUPERSEDING
MIL-J-641/22
26 February 1979

DETAIL SPECIFICATION SHEET

JACK, TELEPHONE, U-385/U

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 and MIL-J-641.

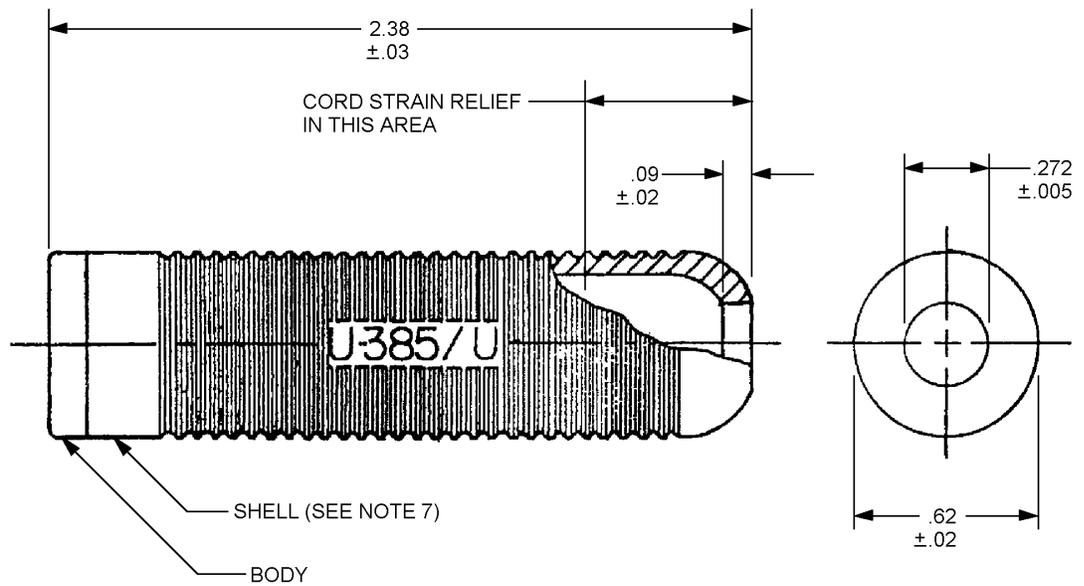
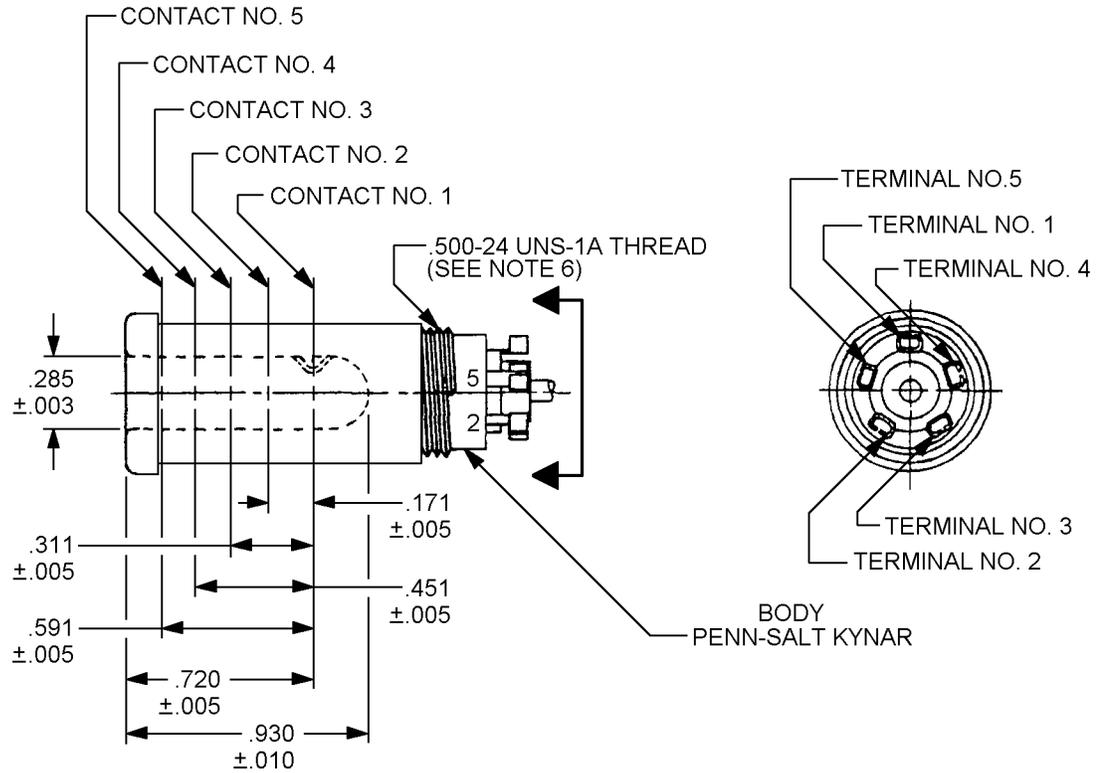


FIGURE 1. Dimensions and configurations.



Inch/mm conversion chart			
Inches	mm	Inches	mm
.003	.08	.311	7.90
.005	.13	.451	11.46
.02	.5	.56	14.2
.03	.8	.591	15.01
.09	2.3	.62	15.7
.171	4.34	.720	18.29
.272	6.91	.930	23.62
.285	7.24	2.38	60.45

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± .005 (0.13 mm).
4. All dimensions are after plating.
5. Contact clearances are not cumulative.
6. Screw threads shall be in accordance with FED-STD-H28.
7. Shell material shall be nylon conforming to ASTM D4066; black.

FIGURE 1. Dimensions and configurations - Continued.

REQUIREMENTS

Dimensions and configurations: See figure 1.

Materials:

Frame: Steel.
Sleeve: Brass.
Springs: Nickel silver.
Contact: Palladium or gold alloy.

Cable clamp: The cable clamp requirement is applicable.

The cable clamp shall anchor cable having diameters from .220 to .275 inches.

Insertion and withdrawal forces: The insertion and withdrawal forces shall be as follows:

Insertion force: 10 pounds maximum.
Withdrawal force: 6.0 pounds minimum; 10 pounds maximum.
Test plug: TP-777.

Spring life: Test plug TP-385 shall be used.

Frame strength: Frame strength test is applicable. Load - 20 pounds maximum.

Conductor strain relief: The conductor strain relief requirement is applicable.

Strain relief: The strain relief test is applicable.

Contact spring pressure: The contact spring pressure test is applicable.

Contact spring overtravel: The contact spring overtravel test is applicable.

Static load: The static load test is applicable.

Longitudinal pull: The longitudinal pull test is applicable.

Solder lug terminals: The solder terminal for each spring contact shall be so shared and located to accommodate two #23 AWG (21 strands #36) conductors.

Body and shell: Materials shall have electrical and non-electrical properties appropriate for their intended use in electrical components. The shell shall be glass fiber reinforced nylon in accordance with ASTM D4066, black. The body shall be Penn-Salt Kynar, red.

Weight: The weight of the jack shall not exceed 16 grams.

Marking: The jack shall be marked with the Part or Identifying Number (PIN) and U-385/U.

Mating plug: M642/14-1.

PIN: M641/22-01.

MIL-DTL-641/22A

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

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-4435-001)

Review activities:

Army - AV
Navy - AS, MC
Air Force - 19, 99