

MILITARY SPECIFICATION

CONNECTORS, PLUG, ELECTRICAL, WATERPROOF
(ROUND SHAPE, SHELL SIZE 26, MALE INSERTS)

1. SCOPE

1.1 Scope.- This specification covers the detail requirements for the following types of field-serviceable, shell-size 26, round-shape, waterproof, electrical-plug connectors with male inserts:

UW1226MC19	UW1226ME31
UW1226MC21	UW1226ME33
UW1226MC23	UW1226MF25
UW1226MC25	UW1226MF27
UW1226MD25	UW1226MF29
UW1226MD27	UW1226MF31
UW1226MD29	UW1226MF33
UW1226MD31	UW1226MG25
UW1226MD33	UW1226MG27
UW1226ME25	UW1226MG29
UW1226ME27	UW1226MG31
UW1226ME29	UW1226MG33

1.2 Ratings.- Connectors covered by this specification shall have the electrical ratings specified in table 1.

Table 1 - Electrical ratings

Connector type	Limiting operating voltage (sea level)		Nominal current
	AC	DC	Amperes
UW1226MC19 to UW1226MC25, incl	900	1,250	22
UW1226MD25 to UW1226MD33, incl	500	700	22
UW1226ME25 to UW1226ME33, incl	500	700	11
UW1226MF25 to UW1226MF33, incl	500	700	11
UW1226MG25 to UW1226MG33, incl	900	1,250	73

2. APPLICABLE DOCUMENTS

2.1 The following specifications, of the issue in effect on date of invitation for bids, form a part of this specification:

SPECIFICATIONS

MILITARY

MIL-C-12520	Connectors, Plug and Receptacle (Electrical, Waterproof); and Accessories; General Specification for.
MIL-C-12520/11A	Connectors, Receptacle, Electrical, Waterproof (Shell Size 26, Female Inserts).

(Copies of specifications required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer.)

3. REQUIREMENTS

3.1 Requirements.- Requirements shall be in accordance with Specification MIL-C-12520, and as specified herein.

3.2 Design and construction.- Connectors shall be of the design, construction, and physical dimensions specified on figure 1.

3.2.1 Assembly.- Connectors shall be capable of being disassembled to allow access to the contact terminals without the use of special tools.

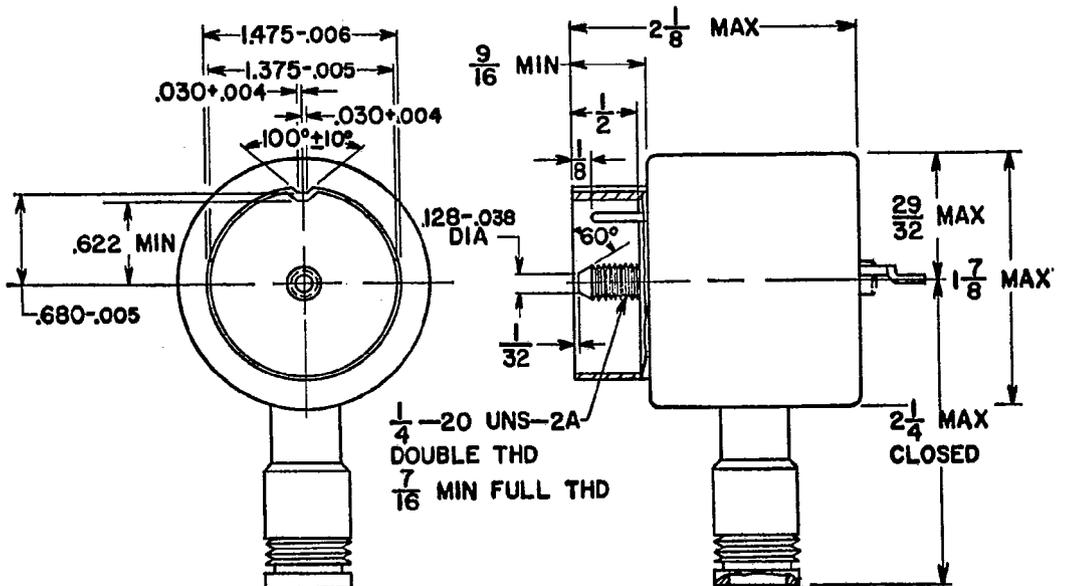
3.3 Contacts.- Contacts shall be gold plated.

4. QUALITY ASSURANCE PROVISIONS

4.1 Sampling and inspection.- Sampling and inspection shall be in accordance with Specification MIL-C-12520, and as specified herein.

4.2 Test and mating receptacles.- The test and mating receptacles shall be in accordance with the applicable type covered by Specification MIL-C-12520/11A.

4.3 Dielectric withstanding voltage.- Connectors with insert-arrangements C and G shall be subjected to a test potential of 2,800 volts root mean square (rms). Connectors with insert-arrangements D, E, and F shall be subjected to a test potential 2,000 volts rms.



1. All dimensions in inches.
2. Unless otherwise specified, tolerances are $\pm \frac{1}{64}$ on fractions and $\pm 2^\circ$ on angles.
3. Remove all burrs.

FIGURE 1. Plug shell and male insert dimensions

5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with Specification MIL-C-12520.

6. NOTES

6.1 Notes.- In addition to the notes specified herein, the notes specified in Specification MIL-C-12520 are applicable to this specification.

6.2 Intended use.- Connectors covered by this specification are intended for use where field-serviceable, waterproof, electrical connectors are required.

6.2.1 Mating receptacle connectors.- Mating receptacle connectors are in accordance with Specification MIL-C-12520/11A.

6.2.2 Cover and chain assemblies.- Cover and chain assemblies are in accordance with style 1N of Specification MIL-C-12520/13A "Cover and Chain Assemblies (Internal Threads, for Use on Waterproof Connectors)".

NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

CUSTODIAN

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Preparing activity

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