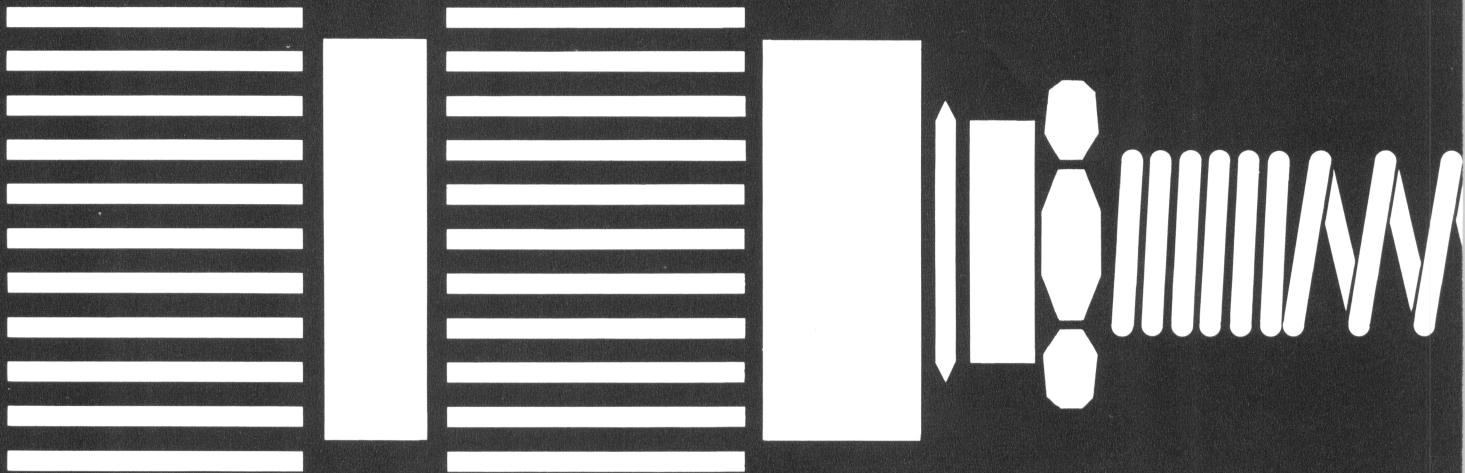


Audio



AUDIO

General Information

5&6

These connectors are universally used in communications equipment where the highest reliability under the most severe environmental conditions are encountered. The standard 5-contact connectors meet all requirements of MIL-C-55116, latest revision. 6-contact connectors as well as the lightweight versions are designed to meet all performance requirements of MIL-C-55116.

Mating is accomplished quickly with a twist-lock motion. Non-rigid contacts are spring-loaded and provide positive electrical connection with minimum voltage drop.

7

This 7-contact connector mating pair offers quick-disconnect features, and is used in conjunction with audio connectors.

10

The 10-contact connectors conform to MIL-C-10544, latest revision. Construction and mating action are similar to the 5-contact line. Years of successful field experience have proven the remarkable reliability of this line of connectors for all types of military and commercial communications equipment.

AUDIO

5 & 6 Contact Material & Finish

Shells	Stainless steel, passivated, sand-blasted
Panel Nuts	Stainless steel, passivated, sand-blasted
Contacts	Copper alloy, .000050 gold per MIL-G-45204, Type II, Class 1 over .00010 nickel
Insulators	Diallyl phthalate per MIL-M-14F, Type MDG

Specifications

ELECTRICAL

Dielectric Strength — 500 V RMS
Insulation Resistance — 1000 Megohms, Min.
Contact Resistance (Mated) — 0.040 Ohms, Max.

MECHANICAL

Air Pressure — 2.5 psi
Immersion — 48 hrs. at 6 ft.
Durability — 1500 cycles, mate and unmate

7 Contact Material & Finish

Shells	Aluminum, black anodize
Contacts	Copper alloy, .000030 gold per MIL-G-45204, Type II
Insulators	Diallyl phthalate per MIL-M-14F, Type MDG

10 Contact Material & Finish

Receptacle Shells	Stainless steel, passivated, sand-blasted
Plug shells	Stainless steel, black passivated
Plug rear housings	Aluminum, black anodize
Panel Nuts	Stainless steel, passivated, sand-blasted
Contacts	Copper alloy, .0002 silver
Insulators	Diallyl phthalate per MIL-M-14F, Type MDG

Specifications

ELECTRICAL

Dielectric Strength — 500 V RMS
Insulation Resistance — 1000 Megohms, Min.
Contact Resistance (Mated) — 0.015 Ohms, Max.

MECHANICAL

Air Pressure — 2.5 psi
Immersion — 48 hrs. at 6 ft.
Durability — 1500 cycles, mate and unmate

AUDIO

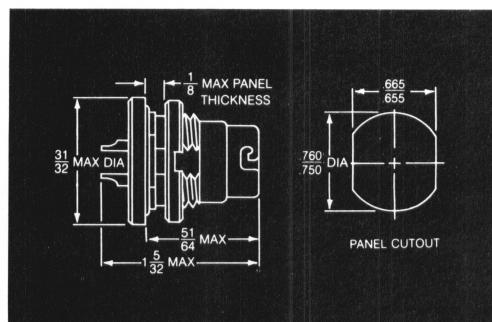
5-Contact — Standard per MIL-C-55116

U-183/U

Receptacle

Spring-Loaded
Contacts
Solder
Terminals

Mates with
U-229/U,
GC 217, &
GC 217A

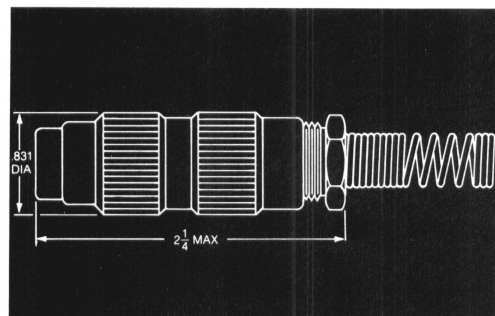
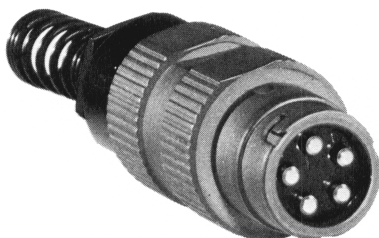


U-228/U

Plug

Spring-Loaded
Contacts
Barrel Pin
Terminals*

Mates with
U-229/U,
GC 217 &
GC 217A

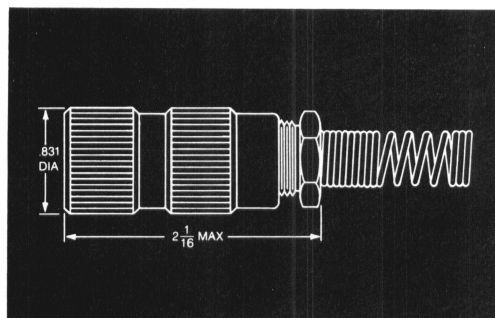
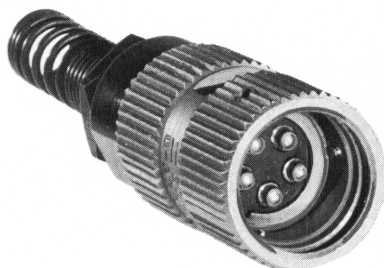


U-229/U

Plug

Rigid
Contacts
Barrel Pin
Terminals*

Mates with
U-183/U,
U-228/U &
GC 183S

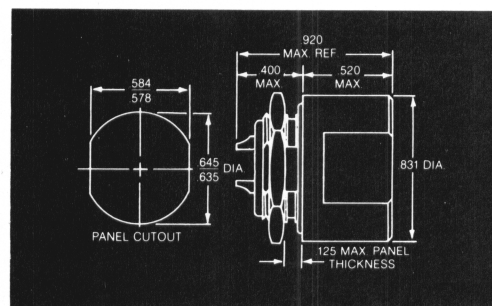


GC 429

Receptacle

Rigid
Contacts
Solder
Terminals

Mates with
U-183/U
U-228/U &
GC 183S

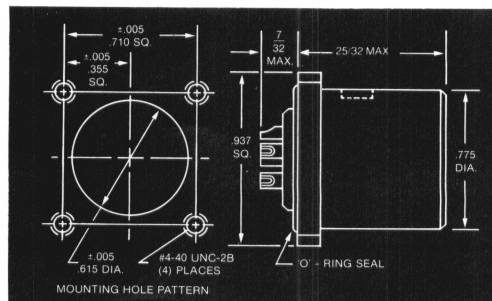
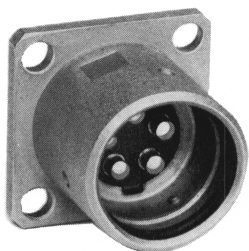


GC 629

Receptacle

Rigid
Contacts
Solder
Terminals

Mates with:
U-183/U
U-228/U &
GC 183S



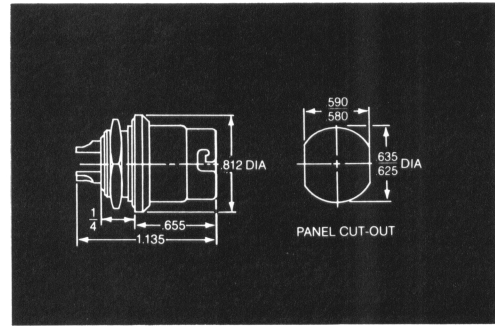
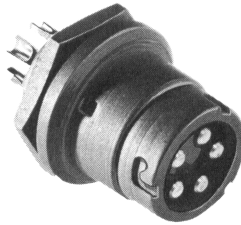
AUDIO

5-Contact—Lightweight (Conforms to MIL-C-55116)

GC 183S

Receptacle

Spring-Loaded Contacts Solder Terminals	Mates with: U-229/U, GC 217, & GC 217A
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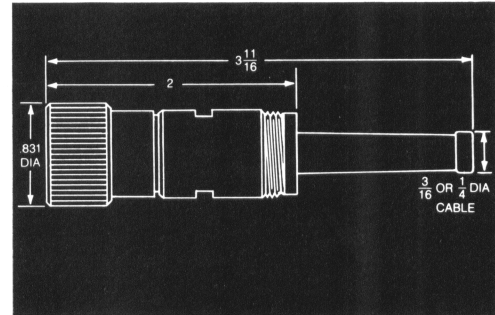
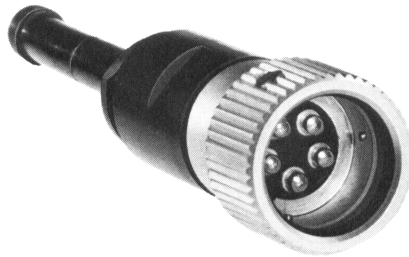


GC 217

Plug

Rigid
Contacts
Solder
Terminals*

Mates with:
U-183/U,
U-228/U, &
GC 183S

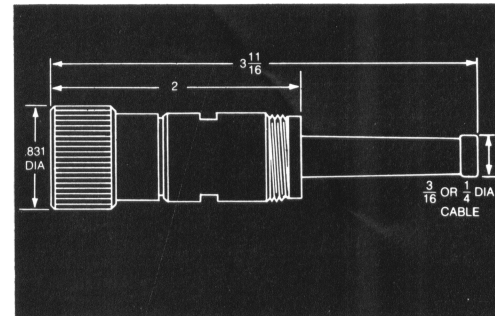
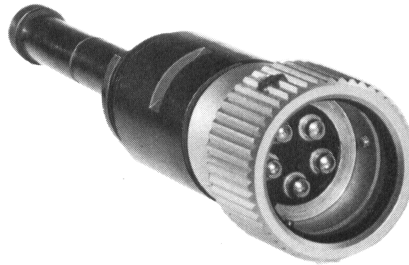


GC 217A**

Plug

Rigid
Contacts
Solder
Terminals

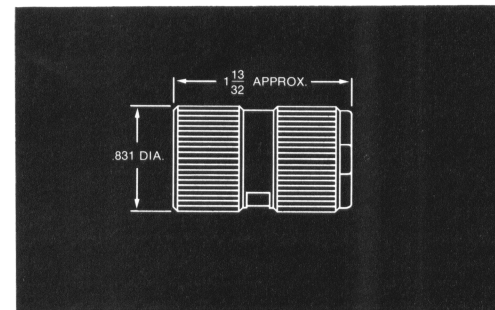
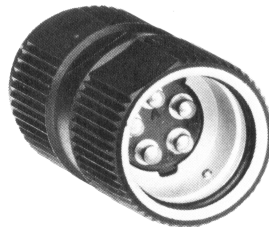
Mates with:
U-183/U,
U-228/U, &
GC 183S

U-182B/U[†]

Plug

Rigid
Contacts
Barrel Pin
Terminals

Mates with:
U-183/U
U-228/U &
GC 183S



Weight in Ounces

5-Contact Standard	U-229/U 2.02	GC217 1.20	U-183/U 1.03
5-Contact Lightweight	U-182B/U 0.50	GC217A 0.81	GC183S 0.72

*Also available with barrel terminals.

****** Shell material is aluminum.

†Shell material is glass filled nylon

AUDIO

6-Contact – Standard (Conforms to MIL-C-55116)

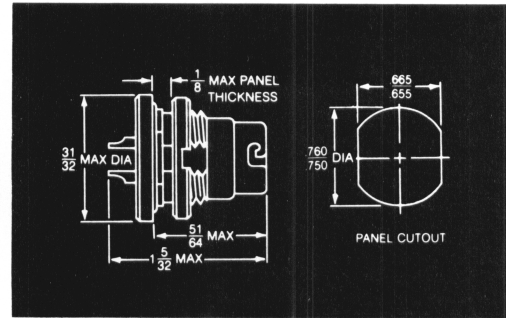
GC 283

Receptacle

Spring- Loaded
Contacts GC 329,
Solder GC 617 &
Terminals GC 617A



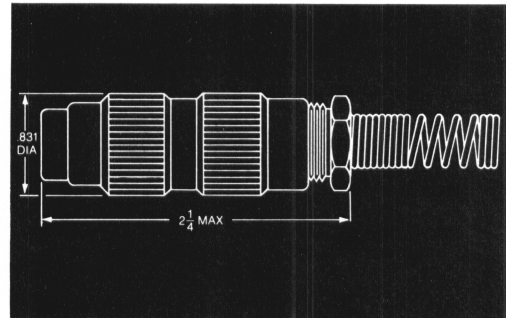
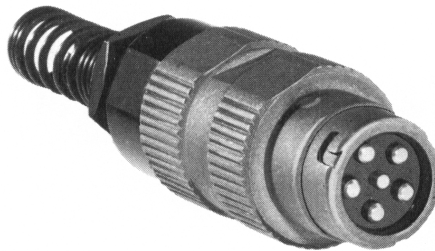
Identical to ON-241775 Series,
except for material differences.



GC 328

Plug

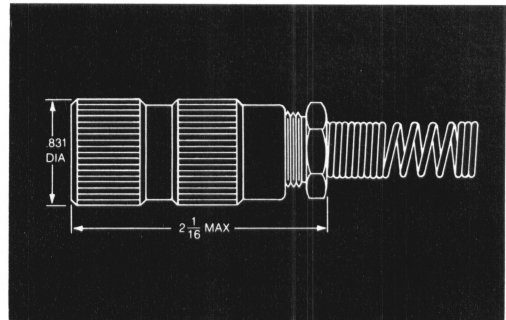
Spring- Loaded
Contacts Solder Pin
Terminals
Mates with
GC 329,
GC 617 &
GC 617A



GC 329

Plug

Rigid
Contacts Barrel Pin
Terminals*
Mates with
GC 283,
GC 328 &
GC 683S

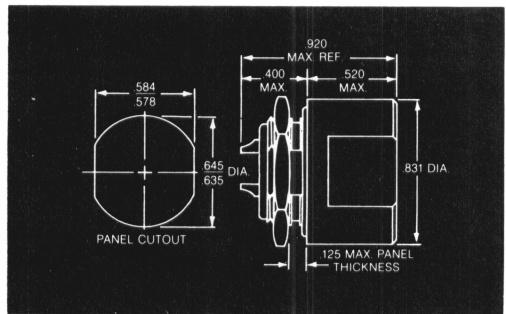
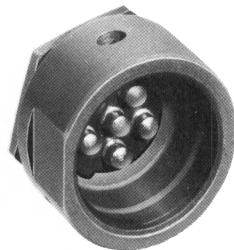


Identical to ON-241774
except for material differences.

GC 529

Receptacle

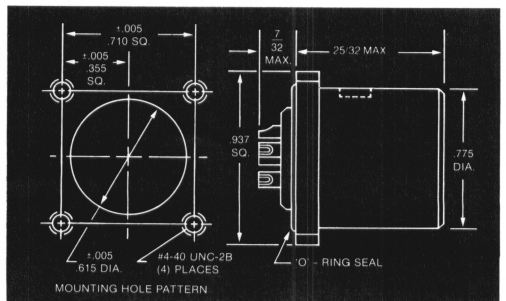
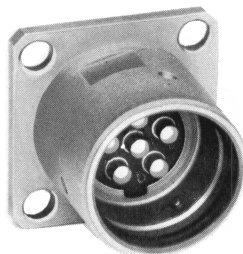
Rigid
Contacts Solder
Terminals
Mates with
GC 283,
GC 328 &
GC 683S



GC 729

Receptacle

Rigid
Contacts Solder
Terminals
Mates with:
GC 283,
GC 328 &
GC 683S



*Solder pin terminals also available

AUDIO

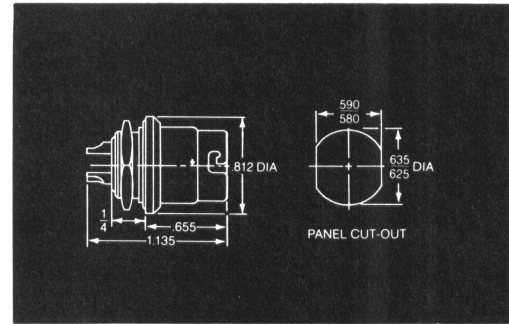
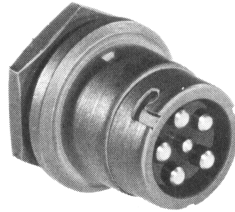
6-Contact — Lightweight (Conforms to MIL-C-55116)

GC 683S

Receptacle

Spring-Loaded
Contacts
Solder
Terminals

Mates with
GC 329,
GC 617 &
GC 617A

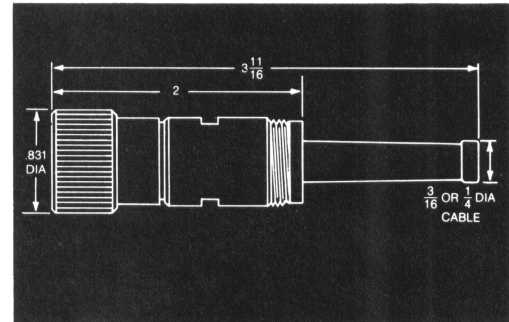
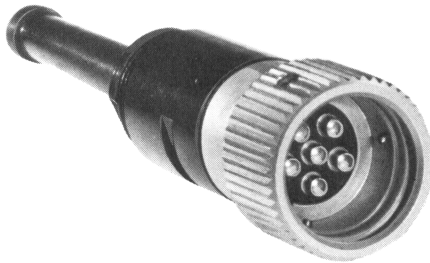


GC 617

Plug

Rigid
Contacts
Solder
Terminals*

Mates with
GC 283,
GC 328 &
GC 683S

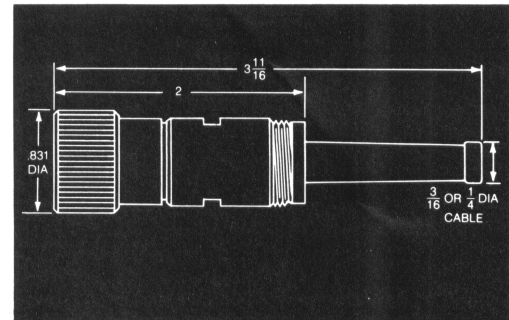
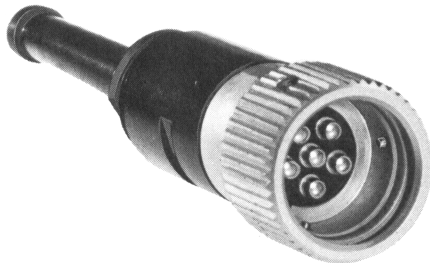


GC 617A**

Plug

Rigid
Contacts
Solder
Terminals

Mates with
GC 283,
GC 328 &
GC 683S

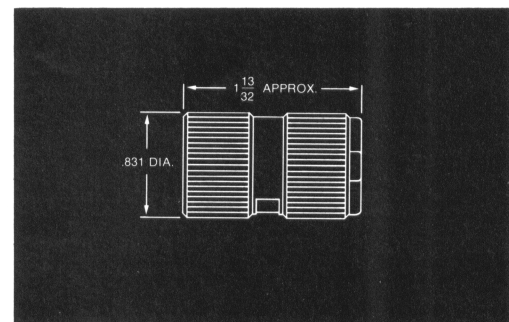
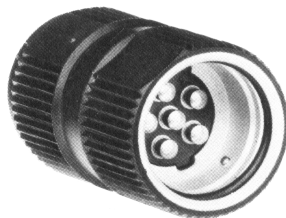


GC 682B†

Plug

Rigid
Contacts
Barrel Pin
Terminals

Mates with:
GC 283,
GC 328 &
GC 683S



Weight in Ounces

Six-Contact Standard	GC 329 2.01	GC 617 1.19	GC 283 1.04
Six-Contact Lightweight	GC 682B 0.49	GC 617A 0.80	GC 683S 0.73

*Also available with barrel terminals.

**Shell material is aluminum.

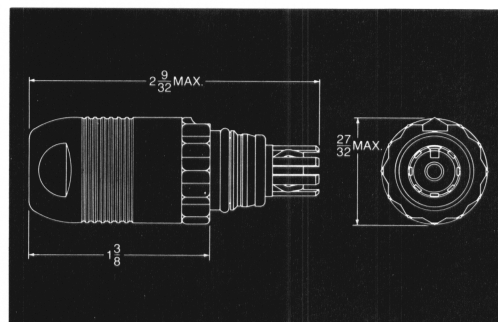
†Shell material is glass filled nylon

AUDIO

7-Contact-Quick Disconnect

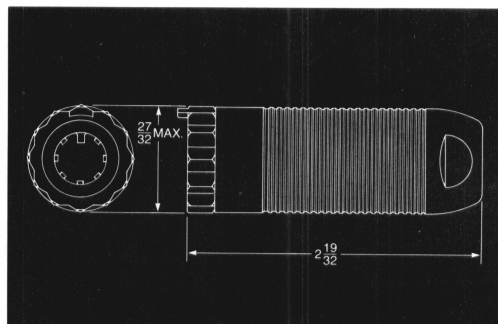
GC 107P

Plug
Cantilevered
Contacts
Insulation-
Piercing
Terminals
(Mates with
GC107J)



GC 107J

Jack
Rigid
Contacts
Insulation-
Piercing
Terminals
(Mates with
GC107P)



AUDIO

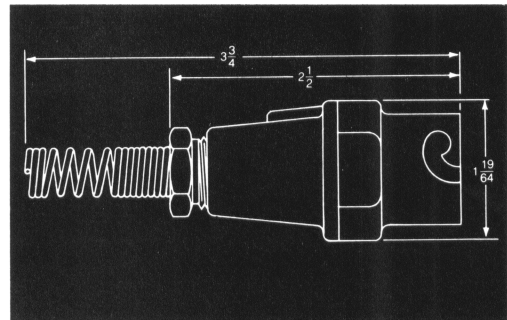
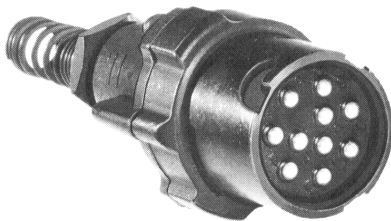
10-Contact per MIL-C-10544

U-78/U

Plug

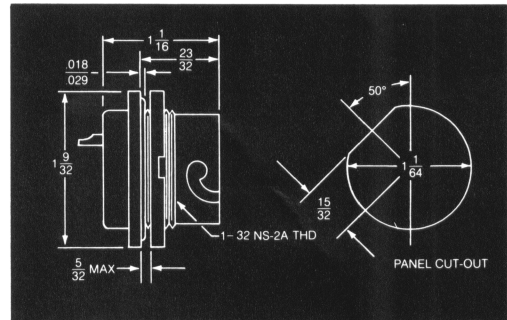
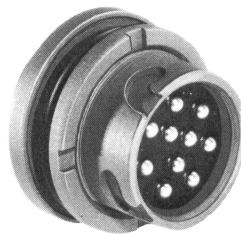
Non-Rigid
Spring-Loaded
Contacts
Solder
Terminals

(Mates with
U-77/U,
U-126/U,
U-127/U,
U-161/U)



U-79/U Receptacle

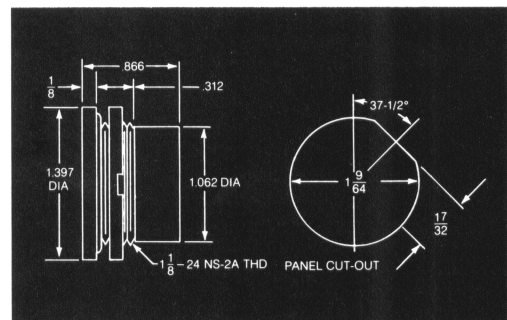
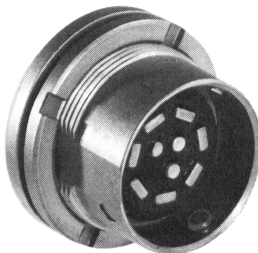
Non-Rigid (Mates with
Spring-Loaded U-77/U,
Contacts U-127/U,
Solder U-161/U)
Terminals



U-126/U

Receptacle

Rigid
Contacts
Solder
Terminals
(Mates with
U-78/U)

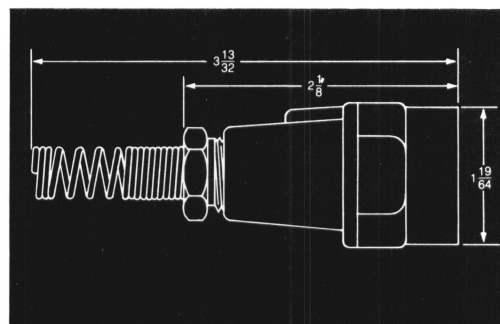


AUDIO

10-Contact per MIL-C-10544

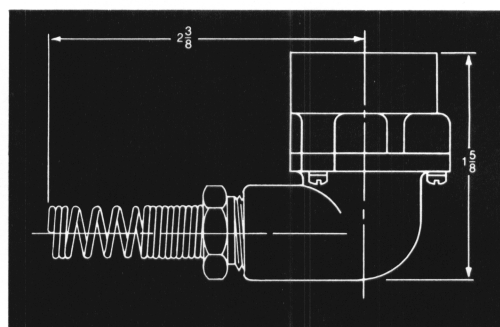
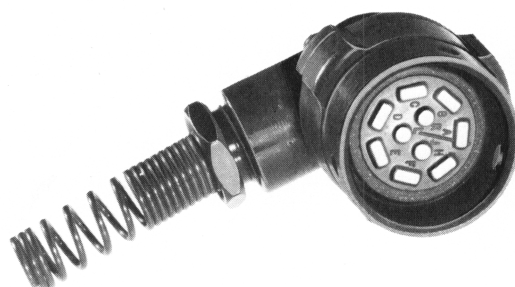
U-77/U

Plug
Rigid
Contacts
Solder
Terminals
(Mates with
U-78/U or
U-79/U)



U-127/U

Plug
Rigid
Contacts
Solder
Terminals
(Mates with
U-78/U or
U-79/U)



U-161/U

Plug
Rigid
Contacts
Taper Pin
Terminals
(Mates with
U-78/U or
U-79/U)

