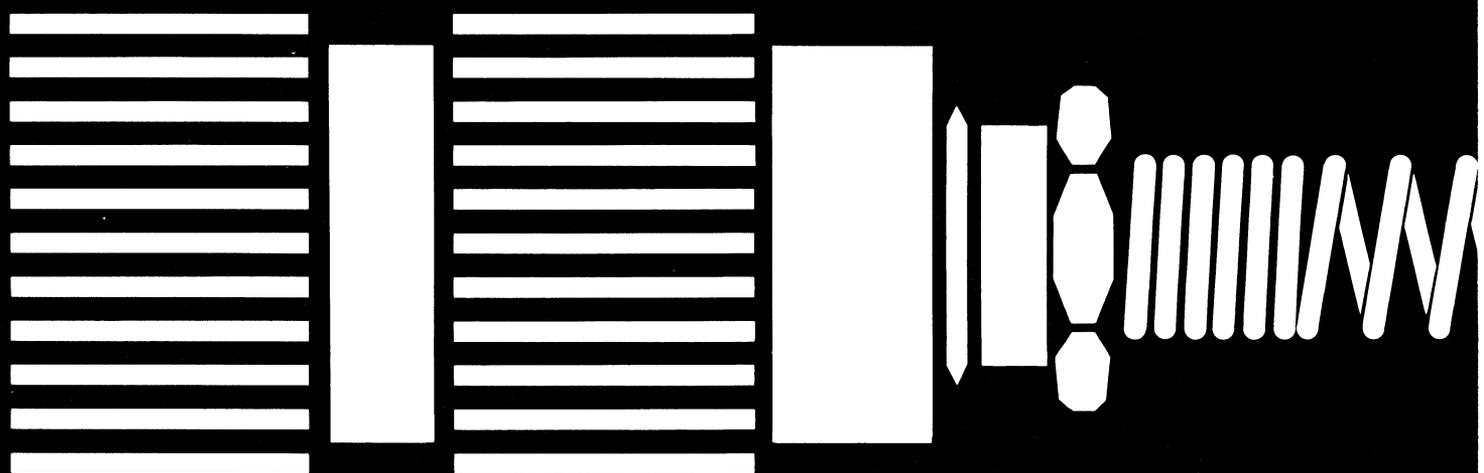


# Audio



# 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 light-weight 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

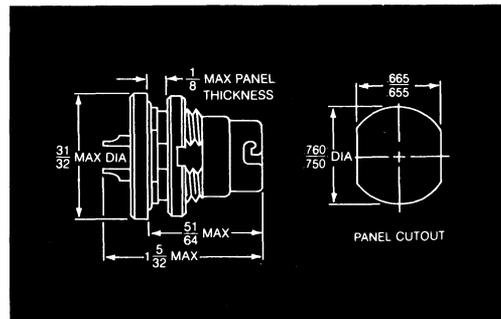
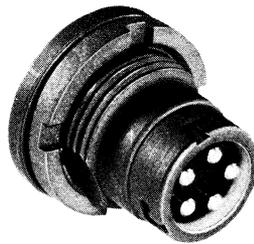
## 5-Contact — Standard per MIL-C-55116

### U-183/U

Receptacle

Spring-Loaded  
Contacts  
Solder  
Terminals

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

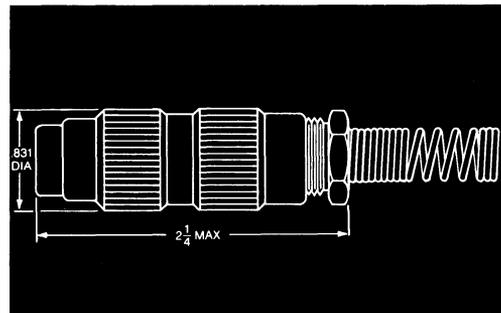
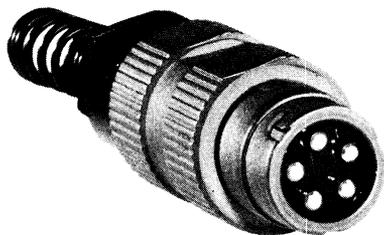


### U-228/U

Plug

Spring-Loaded  
Contacts  
Barrel Pin  
Terminals\*

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

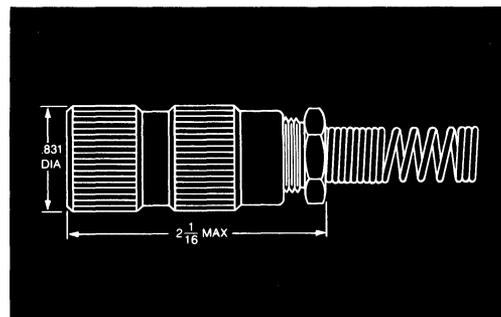


### U-229/U

Plug

Rigid  
Contacts  
Barrel Pin  
Terminals\*

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

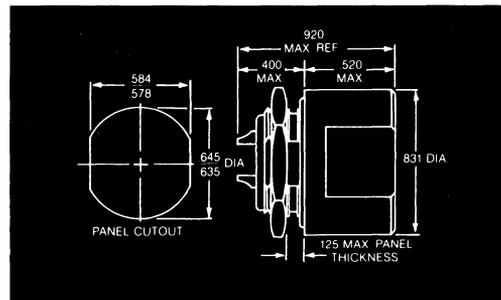
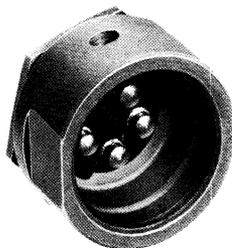


### GC 429

Receptacle

Rigid  
Contacts  
Solder  
Terminals

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

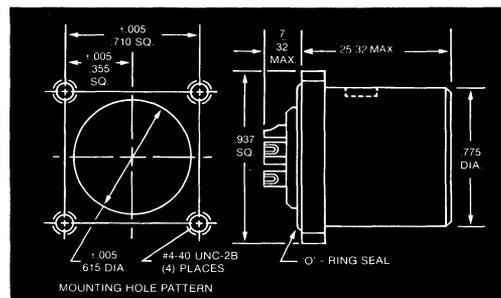
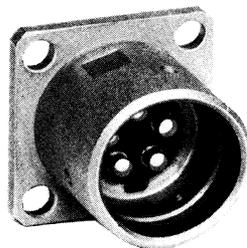


### GC 629

Receptacle

Rigid  
Contacts  
Solder  
Terminals

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



\*Solder pin terminals also available

# AUDIO

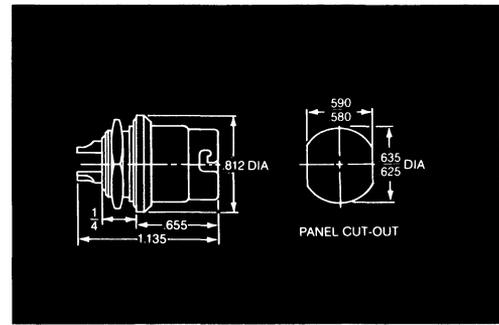
## 5-Contact—Lightweight (Conforms to MIL-C-55116)

### GC 183S

Receptacle

Spring-Loaded Contacts Solder Terminals

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

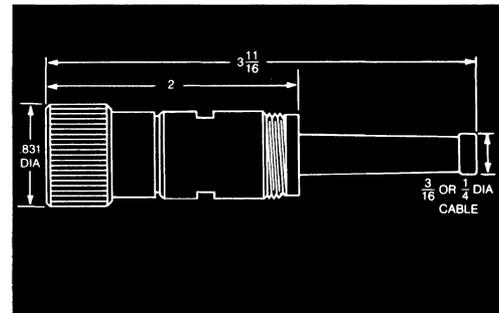
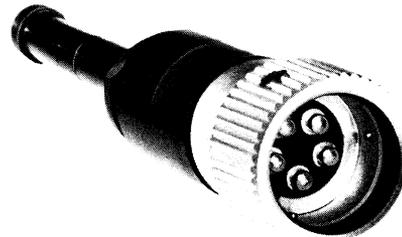


### GC 217

Plug

Rigid Contacts Solder Terminals\*

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

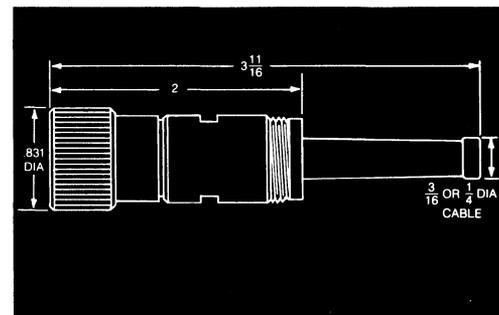
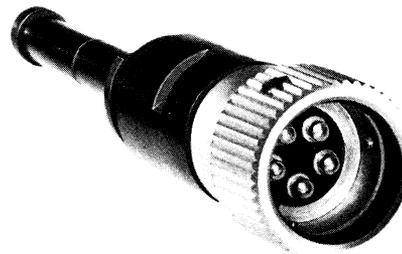


### GC 217A\*\*

Plug

Rigid Contacts Solder Terminals

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

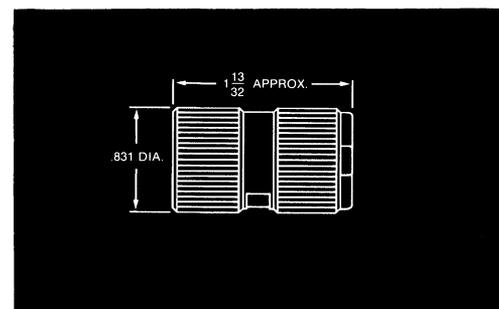
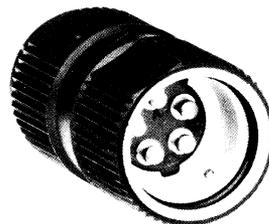


### U-182B/U†

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

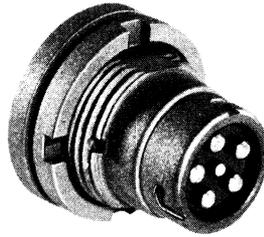
# AUDIO

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

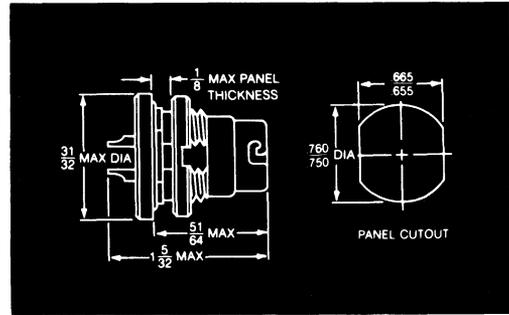
### GC 283

Receptacle

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



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

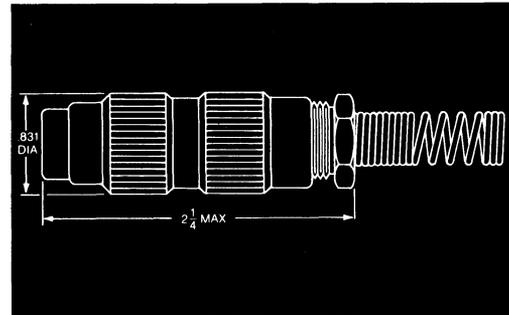
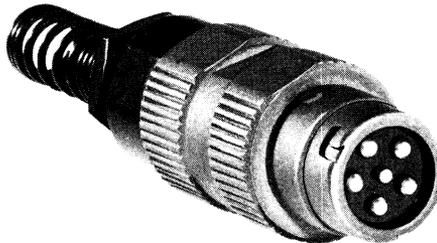


### GC 328

Plug

Spring-Loaded Contacts Solder Pin Terminals

Mates with GC 329, GC 617 & GC 617A

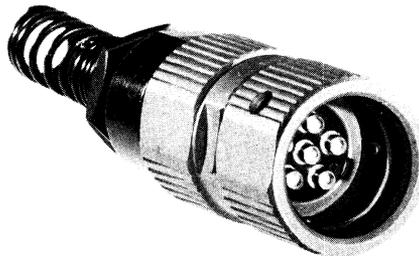


### GC 329

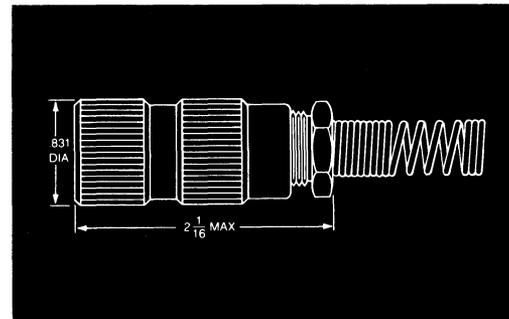
Plug

Rigid Contacts Barrel Pin Terminals\*

Mates with GC 283, GC 328 & GC 683S



Identical to ON-241774 except for material differences.

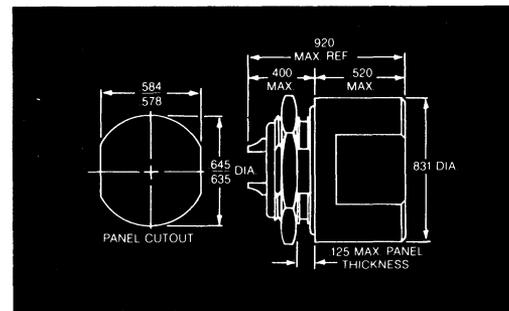
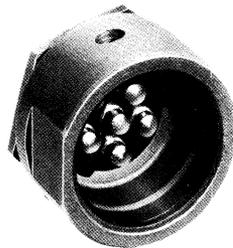


### GC 529

Receptacle

Rigid Contacts Solder Terminals

Mates with GC 283, GC 328 & GC 683S

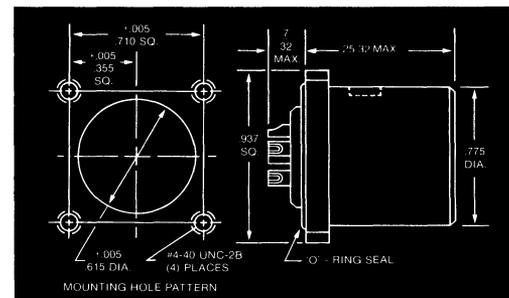
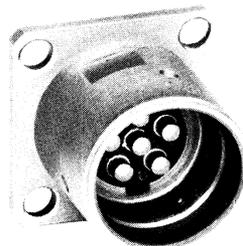


### GC 729

Receptacle

Rigid Contacts Solder Terminals

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



\*Solder pin terminals also available

# AUDIO

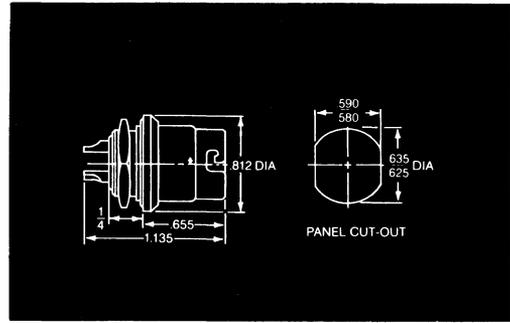
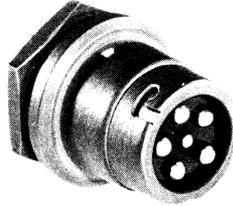
## 6-Contact — Lightweight (Conforms to MIL-C-55116)

### GC 683S

Receptacle

Spring-Loaded  
Contacts  
Solder  
Terminals

Mates with  
GC 329,  
GC 617 &  
GC 617A

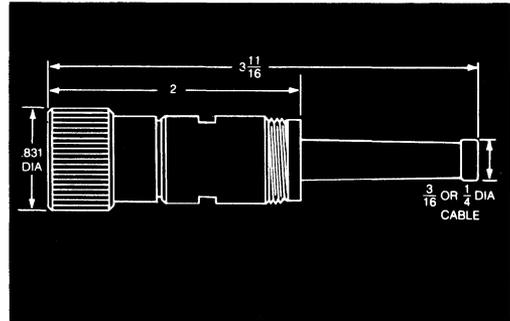
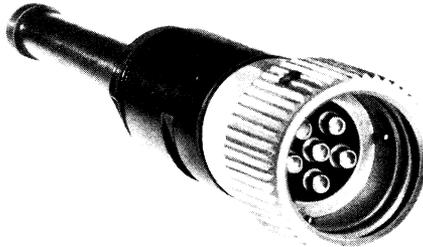


### GC 617

Plug

Rigid  
Contacts  
Solder  
Terminals\*

Mates with  
GC 283,  
GC 328 &  
GC 683S

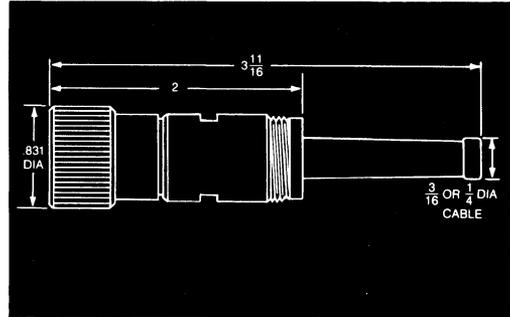
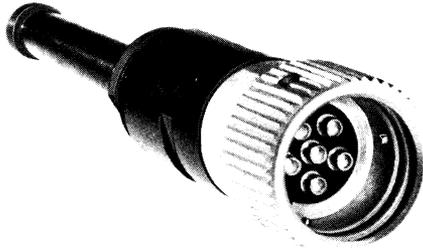


### GC 617A\*\*

Plug

Rigid  
Contacts  
Solder  
Terminals

Mates with  
GC 283,  
GC 328 &  
GC 683S

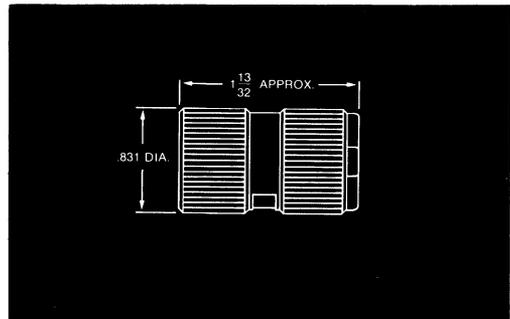


### GC 682B†

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.

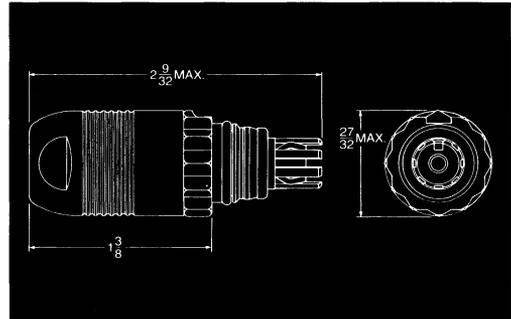
†Shell material is glass filled nylon

# AUDIO

## 7-Contact-Quick Disconnect

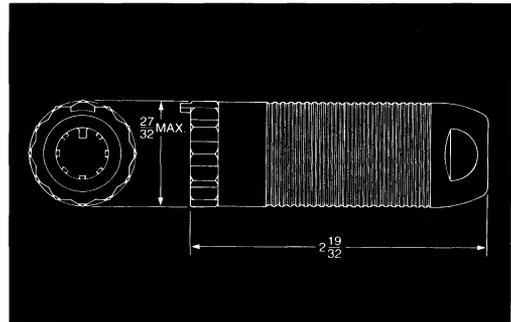
### GC 107P

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



### GC 107J

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

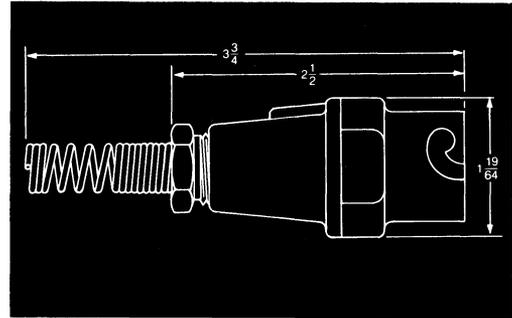
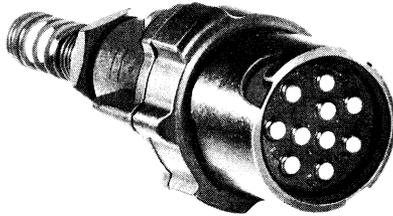


# AUDIO

10-Contact per MIL-C-10544

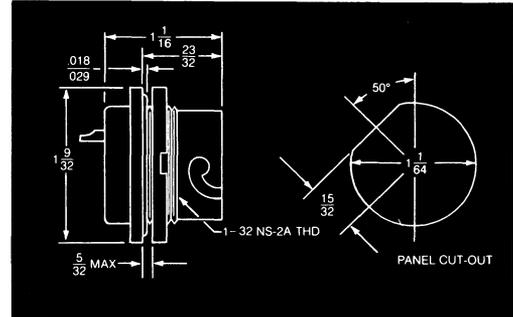
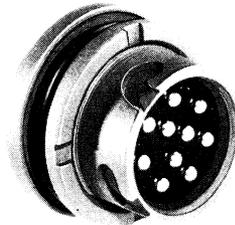
## U-78/U

Plug  
 Non-Rigid  
 Spring-Loaded  
 Contacts  
 Solder  
 Terminals  
 (Mates with  
 U-77/U,  
 U-126/U,  
 U-127/U,  
 U-161/U)



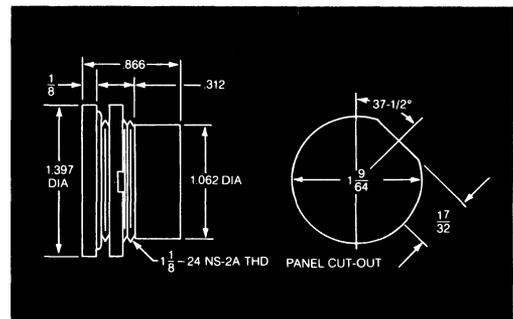
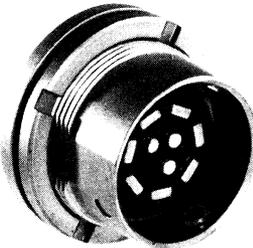
## U-79/U Receptacle

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)

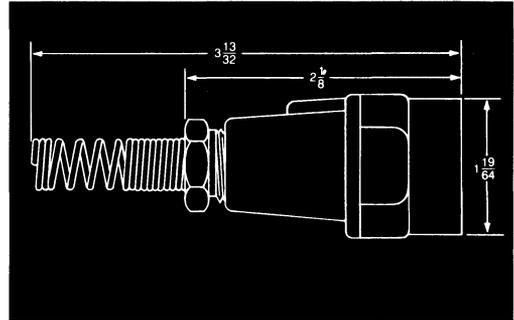
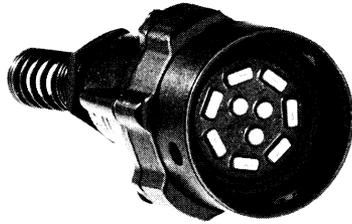


# AUDIO

10-Contact per MIL-C-10544

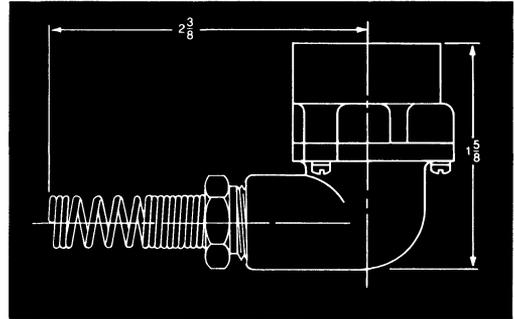
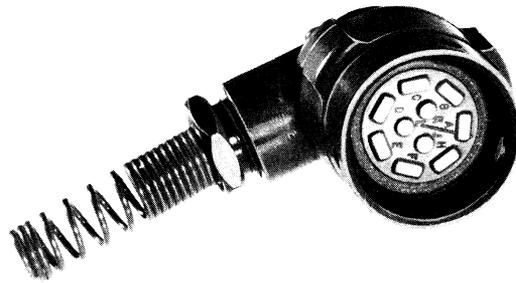
## U-77/U

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)

