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General Information

5 & 6 Contact

These connectors are universally used in communications equipment where the highest reliability is needed under the most severe environmental conditions. 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.

10 Contact

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.

5 & 6 Contact Materials & Finish

Shells	Stainless steel, passivated, sand-blasted.
Panel Nuts	Stainless steel, passivated, sand-blasted.
Contacts	Copper alloy, .000030 gold per MIL-G-45204, Type I, Class 0 over .001 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)—0.050 Ohms, Max.
Mechanical	Air Pressure—2.5 psi. Immersion—48 hrs. at 6 ft. Durability—3000 cycles, mate and unmate.

10 Contact Materials & Finish

Receptacle Shells	Stainless steel, passivated, sand-blasted.
Plug Shells	Stainless steel, black passivated.
Plug Rear Housing	Aluminum, black oxide.
Panel Nuts	Stainless steel, passivated, sand-blasted.
Contacts	Copper alloy, .000030 gold.
Insulators	Diallyl phthalate per MIL-M-14F, Type MDG.

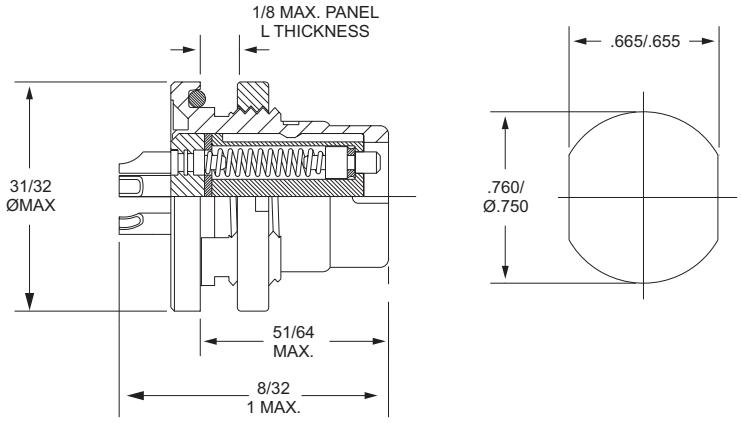
Specifications

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—3000 cycles, mate and unmate.

5-Contact Standard per MIL-C-55116

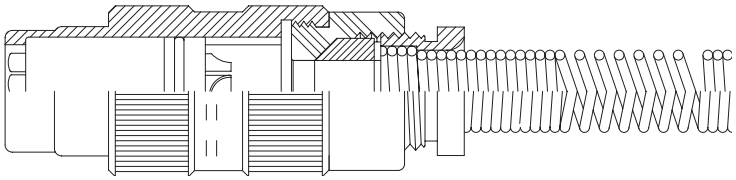
U-183/U
RECEPTACLE

Spring loaded contacts, solder terminals, mates with U-229/U, GC 217 & GC 217A.
Other pin styles available.



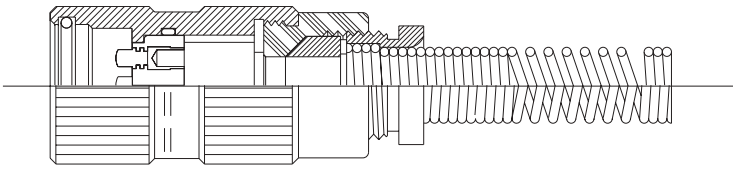
U-228/U
PLUG

Spring loaded contacts, barrel pin terminals,* mates with U-229/U, GC 217 & GC 217A.



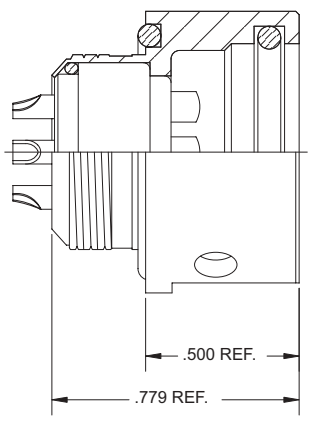
U-229/U
PLUG

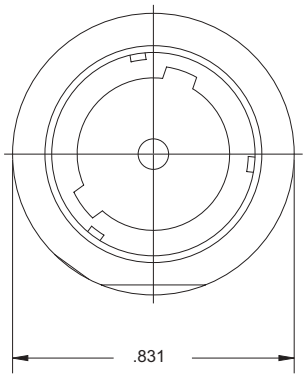
Rigid contacts, barrel pin terminals,* mates with U-183/U, U-228/U & GC183S.



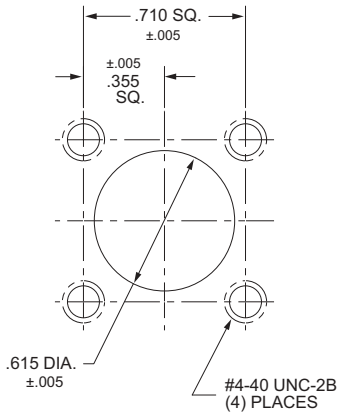
*Solder pin terminals also available.

GC429
RECEPTACLE
Rigid contacts, solder terminals, mates with U-183/U, U-228/U & GC183S.

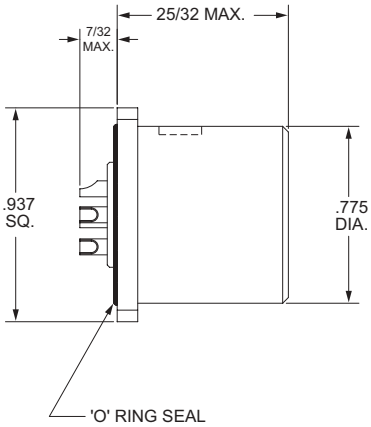




GC629
RECEPTACLE
Rigid contacts, solder terminals, mates with U-183/U, U-228/U & GC183S.

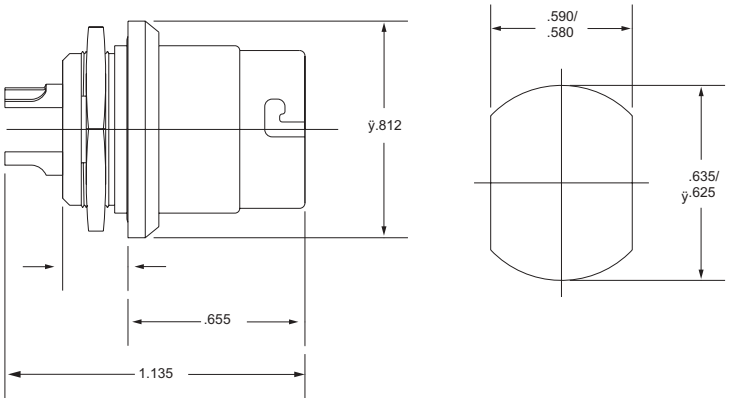


MOUNTING HOLE PATTERN

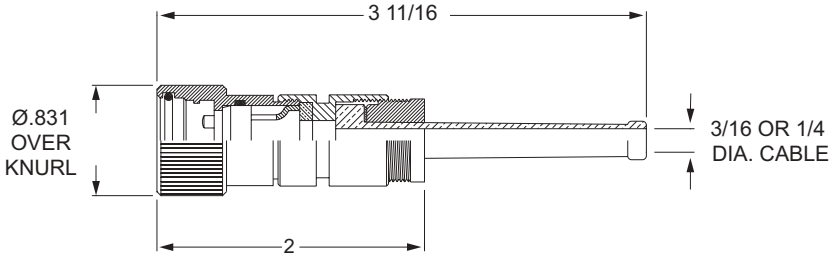


5-Contact Lightweight (Conforms to MIL-C-55116)

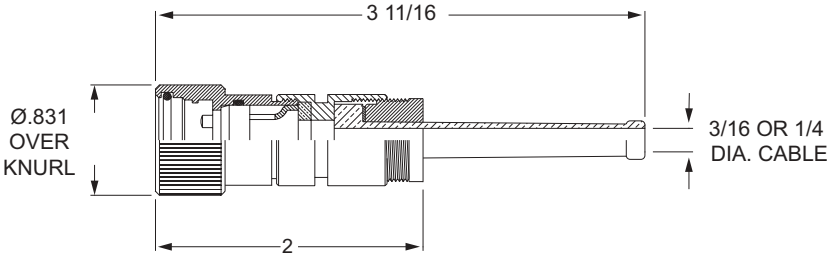
GC183S
RECEPTACLE
Spring loaded contacts, solder terminals, mates with U-229/U, GC217 & GC217A.
Other pin styles available.



GC217
PLUG
Rigid contacts, solder terminals, mates with U-183/U, U-228/U & GC183S.



GC217A*
PLUG
Rigid contacts, solder terminals, mates with U-183/U, U-228/U & GC183S.



*Shell material is aluminum.

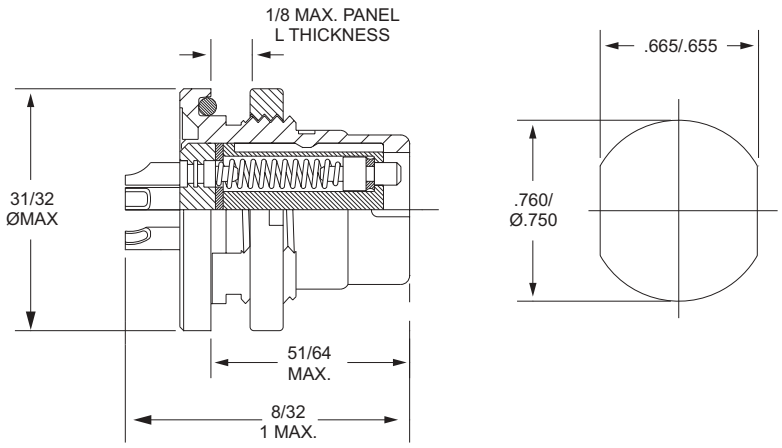
Weight In Ounces

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

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

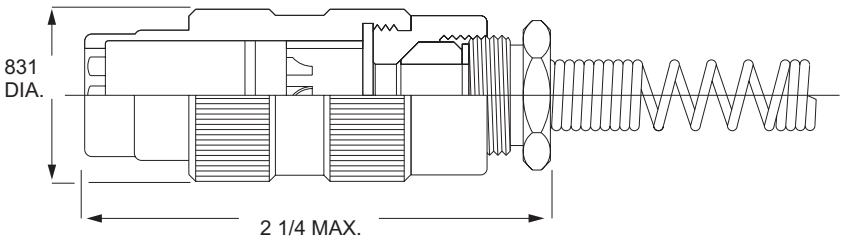
GC283
RECEPTACLE

Spring loaded contacts, solder terminals, mates with GC329, GC617 & GC617A.
Other pin styles available.



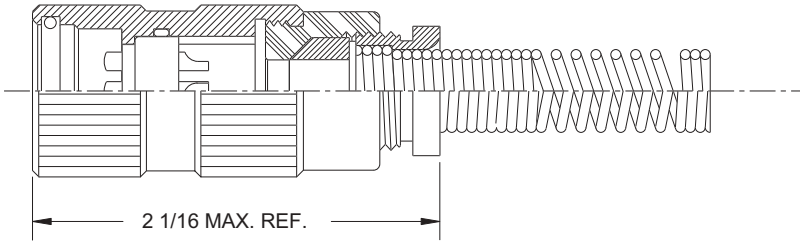
GC328
PLUG

Spring loaded contacts, solder pin terminals, mates with GC329, GC617 & GC617A.



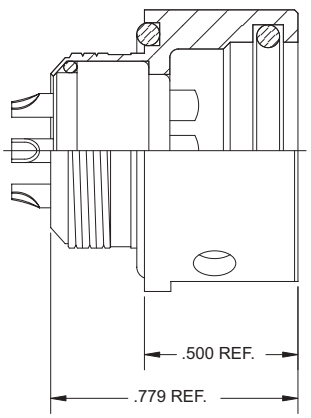
GC329
PLUG

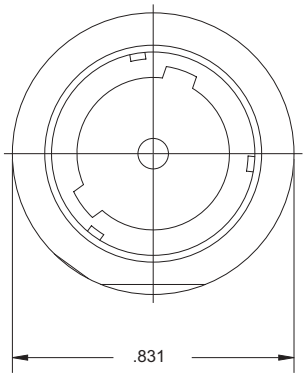
Rigid contacts, barrel pin terminals,* mates with GC283, GC328 & GC683S.



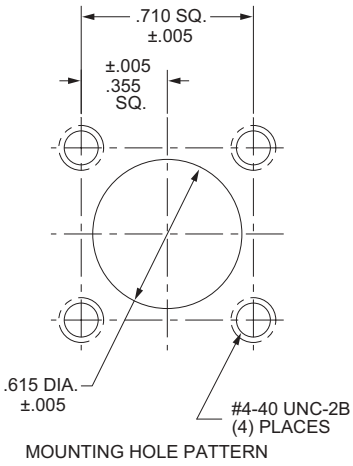
*Solder pin terminals also available.

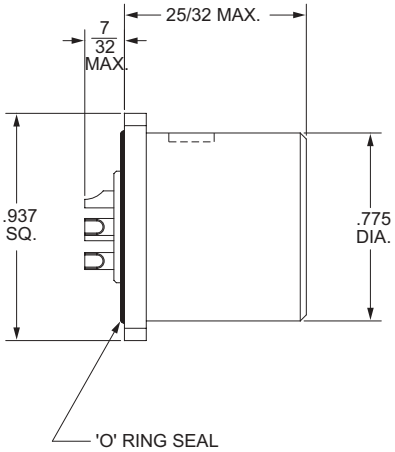
GC529
RECEPTACLE
Rigid contacts, solder terminals, mates with GC283, GC328 & GC683S.
Also available in 5-pin version.





GC729
RECEPTACLE
Rigid contacts, solder terminals, mates with GC283, GC328 & GC683S.

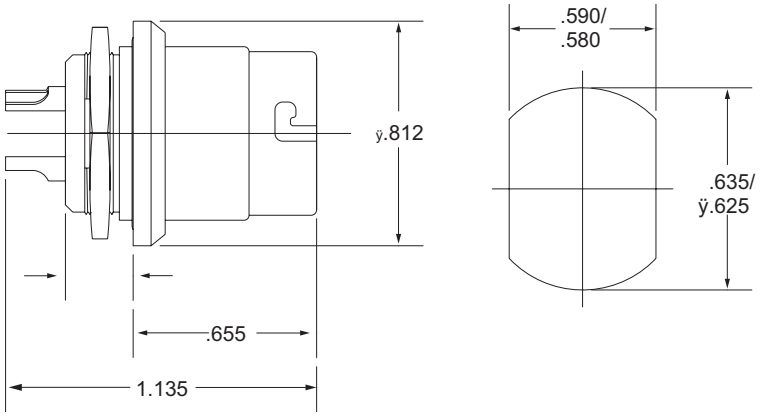




6-Contact Lightweight (Conforms to MIL-C-55116)

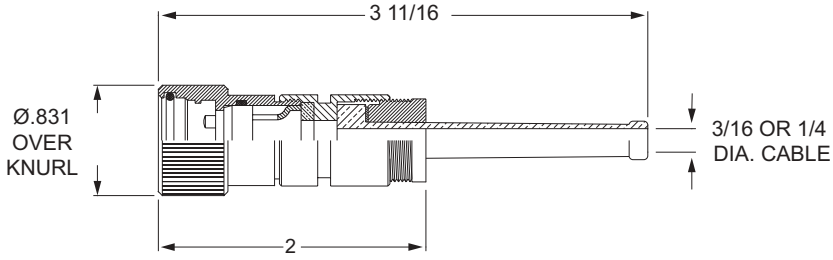
GC683S
RECEPTACLE

Spring loaded contacts, solder terminals, mates with GC329, GC617 & GC617A.



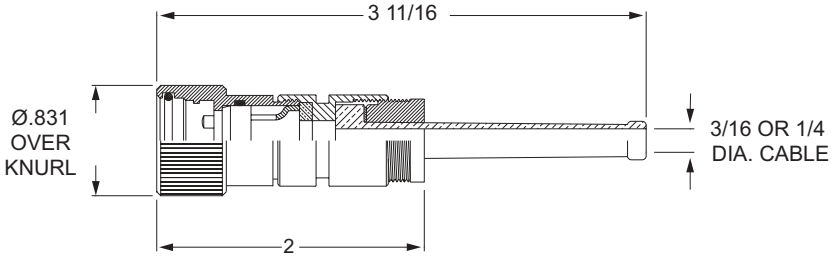
GC617
PLUG

Rigid contacts, solder terminals,* mates with GC283, GC328 & GC683S.



GC617A**
PLUG

Rigid contacts, solder terminals,* mates with GC283, GC328 & GC683S.



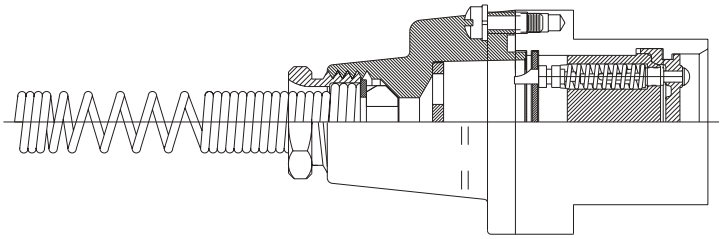
Weight In Ounces			
6-Contact Standard	GC329 2.01	GC617 1.19	GC283 1.04
6-Contact Lightweight	NA	GC617A 0.80	GC683S 0.73

*Also available with barrel terminals.
**Shell material is aluminum.

10-Contact Per MIL-C-10544

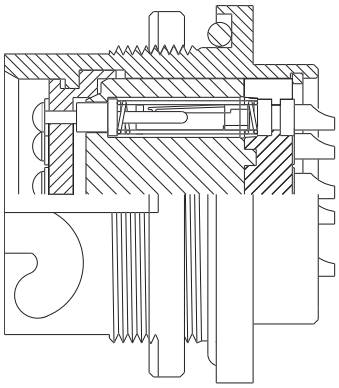
U-78/U
PLUG

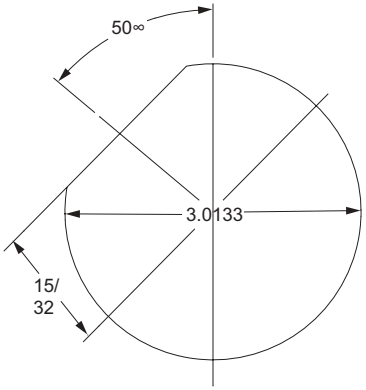
Non-rigid, spring loaded contacts, solder terminals, mates with U-77/U, U-126/U, U-127/U & U-161/U.



U-79/U or GC790
RECEPTACLE

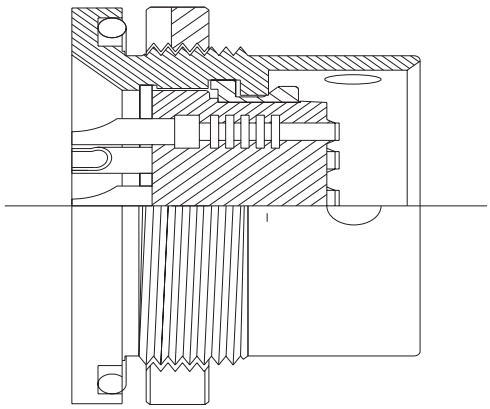
Non-rigid, spring loaded contacts, solder terminals, mates with U-77/U, U-127/U & U-161/U.



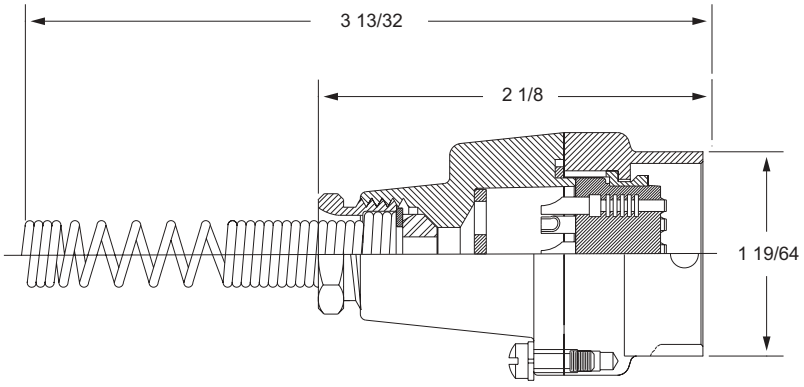


U-126/U
RECEPTACLE

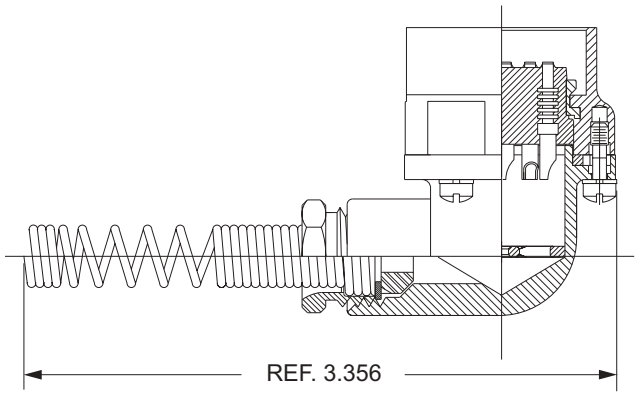
Rigid contacts, solder terminals, mates with U-78/U.



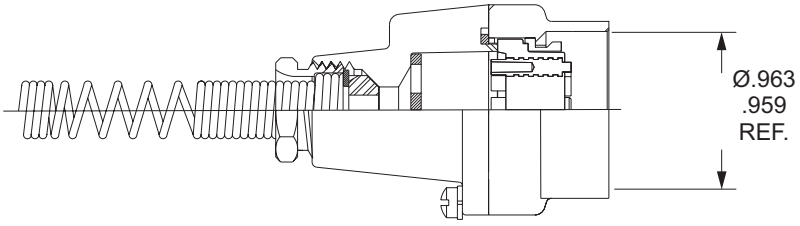
U-77/U
PLUG
Rigid contacts, solder terminals, mates with U-78/U & U-79/U.



U-127/U
PLUG
Rigid contacts, solder terminals, mates with U-78/U & U-79/U.



U-161/U
PLUG
Rigid contacts, taper pin terminals, mates with U-78/U & U-79/U.



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