

Ten-pin heritage design

# MIL-DTL-10544 connectors



**EATON**

*Powering Business Worldwide*

# MIL-DTL-10544 plugs and receptacles

Eaton offers a comprehensive range of MIL-DTL-10544 plugs and receptacles in panel mount and cable mount configurations. Additional features of these field proven, 10-contact solutions include:

- Passivated stainless steel shells.
- Copper contacts are gold plated and rated for 3000 mate and demate cycles.
- Cable-mount products available in in-line and right-angle configurations.
- Custom capabilities include factory installed wiring harnesses and cable assemblies.



## MIL-DTL-10544 General Specifications

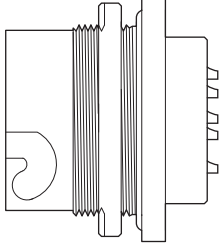
Materials and Finishes	Receptacle and Plug Shells	Passivated Stainless Steel
	Plug Rear Housing	Black-Oxidized Aluminum
	Panel Nuts	Passivated Stainless Steel
	Contact Material	Copper Alloy
	Contact Plating	Gold
Electrical	Insert	Diallyl phthalate per MIL-M-14F, Type MDG
	Dielectric Strength	500 VRMS
	Insulation Resistance	1000 Megaohms Minimum
	Contact Resistance (Mated)	0.015 Ohms Maximum
Mechanical	Environmental Sealing	2.5 PSI
	Water Immersion	48 Hours at Six Feet
	Mate/Unmate Durability	3000 Cycles

Mounting	Part Numbers	Type	Configuration	Contacts	Terminations
Panel	GC790 and U-79/U*	Receptacle	Front mount	Spring	Solder Terminals
	U-126-U**	Plug	Front Mount	Rigid	Solder Terminals
Cable	U-78/U	Receptacle	In-Line	Spring	Solder Terminals
	U-77/U	Plug	In-Line	Rigid	Solder Terminals
	U-127/U	Plug	Right Angle	Rigid	Solder Terminals
	U-161/U	Plug	In-Line	Rigid	Taper Pins

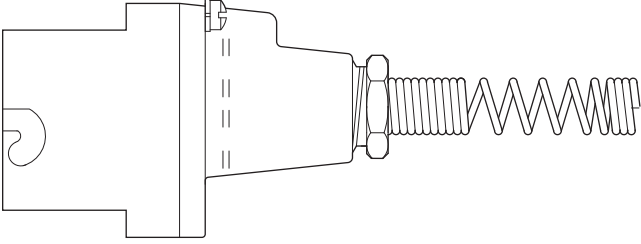
\* Utilizes the T-1104-04 spanner wrench.

\*\* Utilizes the T-1104-02 spanner wrench.

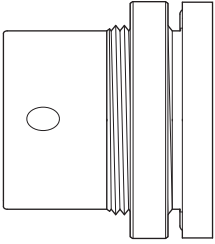
# Ruggedized 10-contact audio solutions



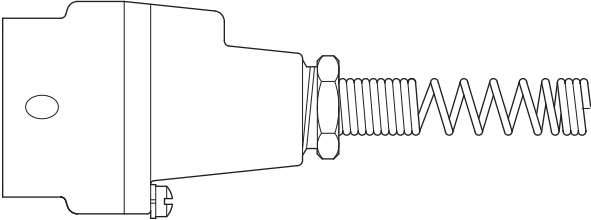
GC790 and U-79/U front-mount receptacle



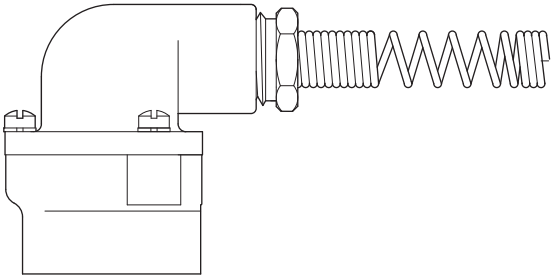
U-78/U in-line receptacle



U-126-U front-mount plug



U-77/U and U-161/U in-line plugs



U-127/U right-angle plug