

Product Data Sheet

Amphenol® Astronaut Zero-G Connectors

No. 147-2

The Zero-G Connector was originally designed for use in a manned spacecraft environment. Since its conception, it has been used successfully in several space programs including Apollo, Lunar Rover, Skylab and the Space Station. Its handle-operated latch mechanism is uniquely designed for ease of mating and unmating by a suited astronaut. The original connectors meet the performance parameters of MIL-C-38999 and are qualified/listed on both the Marshall Space Flight Center drawing 40M39580 and McDonnell Douglas drawing 1B69950. The upgraded versions for Space Station Freedom are manufactured to NASA drawings and specification SSQ-21635.

Features include:

- Astronaut EVA compatible
- Explosion proof
- Crimp contacts
- Low out-gassing
- Handle operated
- Capable of withstanding 175,200 thermal cycles, -65° to $+200^{\circ}\text{C}^*$

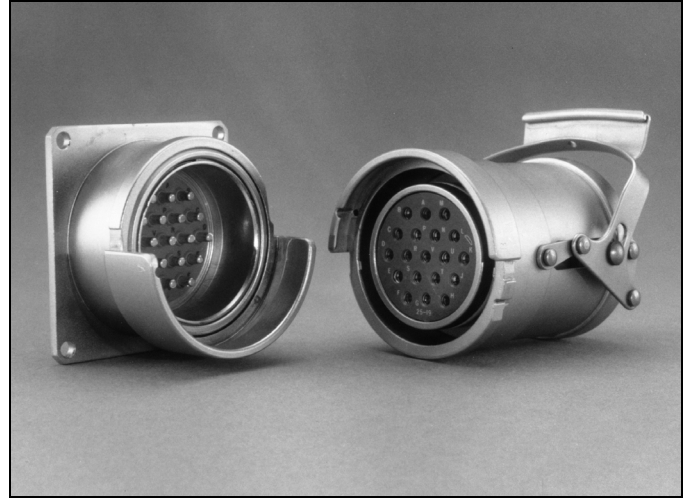
* Applies to SSQ-21635 specifications only.

NOTE:

Connectors covered by the 40M39580 and the SSQ-21635 specifications are not intermateable.

For further information contact:

Amphenol Corporation
Amphenol Aerospace
40-60 Delaware Avenue
Sidney, NY 13838-1395
Phone: 607-563-5011
Fax: 607-563-5157
Website: www.amphenol-aerospace.com



Handle Operated Zero-G Connector

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

AMPHENOL is a registered trademark of Amphenol Corporation.

©2001 Amphenol Corporation

Amphenol

Printed in-plant 3/01