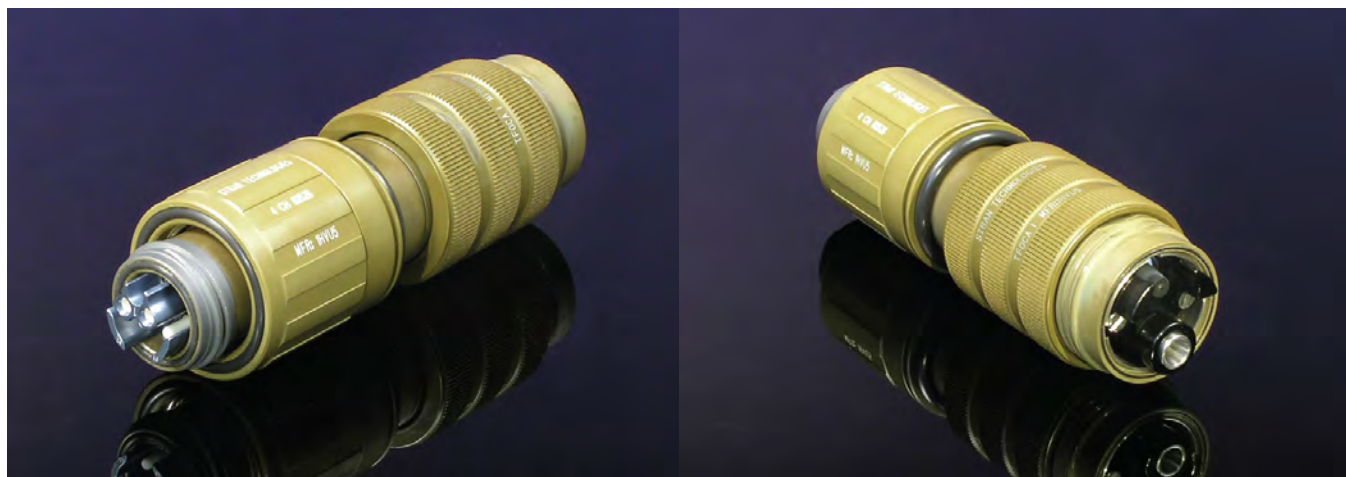


CORNING

## TFOCA I – TFOCA GenX™ Connector Adapter



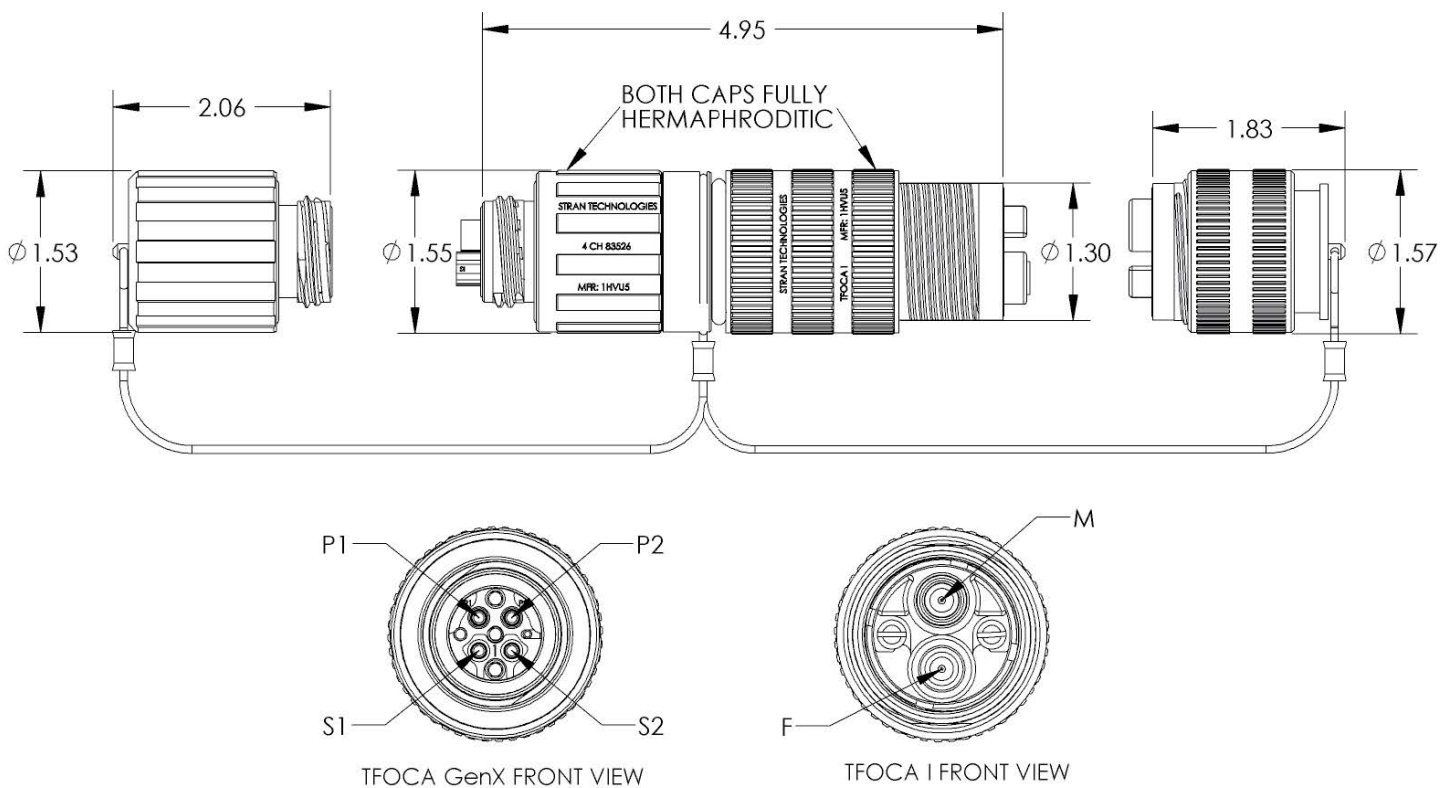
Unique in its compact footprint, Corning's TFOCA I to TFOCA GenX™ Connector Adapter is designed to assist in the transition of the legacy TFOCA I tactical interconnect system to Corning's next generation TFOCA GenX fiber optic connector. One major advantage of this connector adapter is that it minimizes disruption and/or overhauling of existing fiber optic communication systems currently deployed throughout the world. Some of the applications for Corning's Connector Adapter include:

- Cabinet mounted communication systems
- Deployable military tactical systems
- Harsh environment video/data transmission
- Outdoor fiber optic connectors
- Homeland security and surveillance
- Fully compatible with legacy systems

## Features and Benefits

1st and only in the industry with 100% optically tested stainless steel alignment sleeves (TFOCA 1)
Standard hermaphroditic, or genderless dust caps on both adapter ends
Field demountable front inserts for improved maintainability
Standard hermaphroditic adapter, both TFOCA I and TFOCA GenX™ connectors can be used as plug or receptacle
Less than 5½" length without dust caps
PC polish on the zirconia ferrules (TFOCA GenX)
TFOCA GenX connector is fully compliant to the MIL-PRF-83526/16 specification
Other configurations available, such as: 45° and 90° models and TFOCA GenX keying combinations

## TFOCA-TFOCA GenX™ Connector Adapter



## Technical and Performance Specifications

### Eco-Friendly

Optical Insertion Loss	Single-Mode 9/125 $\mu\text{m}$ thru fibers; Max Loss @ 1310 nM is 2.75 dB Multimode 50/125 $\mu\text{m}$ thru fibers; Max Loss @ 850 nM is 2.75 dB Multimode 62.5/125 $\mu\text{m}$ thru fibers; Max Loss @ 850/1300 nM IS 2.25 dB GenX Loopback: Max Loss @ 850/1300 nM IS 1.5 dB
Vibration	10 g's per EIA/TIA-RS-455-11
Mating Durability	2000 cycles per EIA-455-21
Thermal Shock	-54°C to +71°C per TIA/EIA-455-71
Mechanical Shock	Per EIA/TIA-RS-455-11 Test Condition C
Temperature Life	250 Hours @ +85°C per EIA/TIA-RS-455-4
Corrosion Resistance	Per TIA/EIA-455-16 Test Condition C
Humidity	10 cycles per TIA/EIA-455-5
Fluid Immersion	Per TIA/EIA-455-12
Crush Resistance	450 lbs per TIA/EIA-455-12
Maintenance Aging	Per MIL-STD-1344, method 2002
Impact	Per TIA/EIA-455-2

The Corning logo consists of a solid blue square. Inside the square, the word "CORNING" is written in a white, serif, all-caps font, centered horizontally and vertically.

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