TFOCA I
Tactical Fiber Optic Connector

The TFOCA I tactical fiber optic connector provides reliable performance in harsh environments where high cycle mating is of concern. Its hermaphroditic or genderless design allows for multiple cable assemblies to be concatenated without regard for connector interface compatibility. Some of the applications currently employing STRAN's TFOCA I include:

- Deployable military tactical systems
- Outdoor fiber optic connectors
- Emergency restoration systems
- Video / data transmission
- Homeland security and surveillance


TFOCA Plug

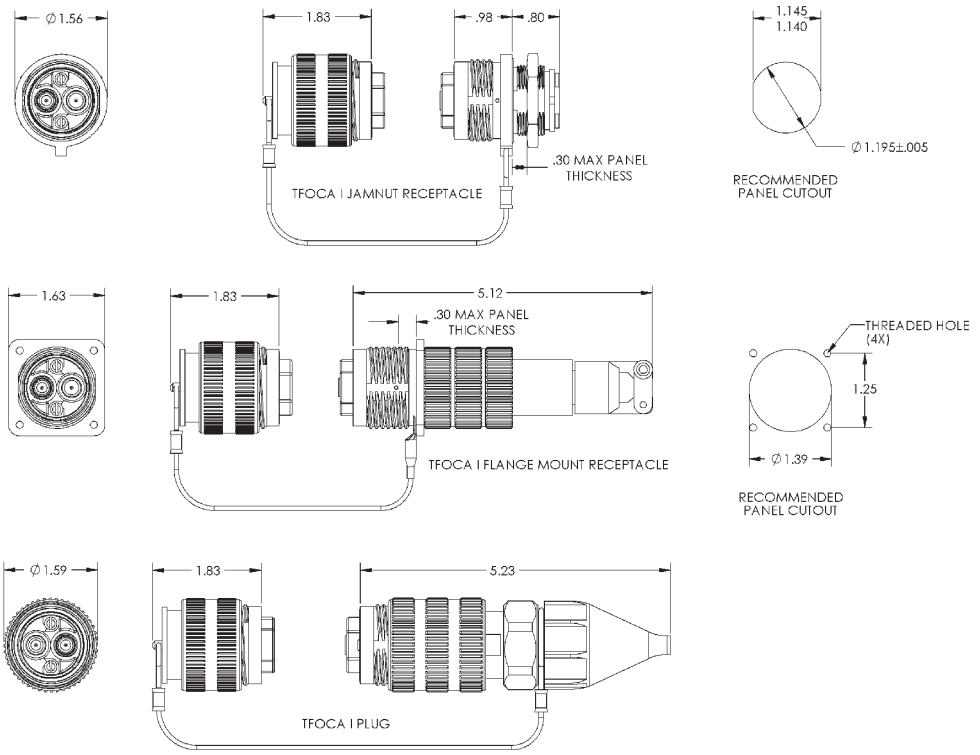

TFOCA Receptacle

Fully compatible with legacy product, STRAN Technologies has retooled the TFOCA I with stainless steel alignment sleeves, for improved performance, repeated handling and mating cycles typically required for fiber optic cable deployment and retrieval in a tactical environment. Some of the key features of this connector workhorse includes:

- Standard hermaphroditic, or genderless, configuration
- 100% Optically tested stainless steel alignment sleeves (NSN # 6060-01-363-1094 Qty. of 10, NSN # 6060-01-377-5861 Qty. of 60)
- Field maintainable and repairable
- Field demountable front insert for improved termini maintainability
- Offered in Cadmium Plate – Olive Drab
- Standard hermaphroditic, or genderless, configuration
- Qualified to A3102608

TFOCA I
Tactical Fiber Optic Connector

MILITARY TACTICAL
MILITARY SHIPBOARD
ENERGY
MINING
AEROSPACE
COMMERCIAL



Connector Performance Criteria:	
Optical Insertion Loss	9/125: 3.00 dB_{max}, 2.00 dB_{typ} 50/125: 1.50 dB_{max}, 0.60 dB_{typ}
Mating Durability	2000 cycles per EIA-455-21
Vibration	MIL-STD-1344, Method 2005.1
Physical Shock	per EIA-455-14, test condition A
Thermal Shock	-10°C to +75°C
Temperature Life	250 hours at 85°C per EIA-455-4
Corrosion Resistance	EIA-455-16, test condition C
Humidity	10 cycles per EIA-455-5
Fluid Immersion	1 meter, per EIA-455-12
Crush Resistance	450 lbs, per EIA-455-26
Cable Retention	400 lbs, per EIA-455-6
Cable Seal Flexing	100 cycles per MIL-STD-1344, Method 2017, Procedure I
Impact per	TIA/EIA-455-2