



Corning is a leading manufacturer of TFOCA Connector products including 1st, 2nd, and 3rd generation models with class leading small form factor adapters to permit migration from one version to the next. In addition, Corning offers customized solutions to suit many applications in military and harsh environment industrial markets. In the spirit of our focus on customer service excellence we can customize any type in a short lead time, often less than 6-8 weeks.

- Universal 90 and 45-degree back-shell with integral user clocking angle feature
- 45-degree receptacle mounting adapter to allow a waterfall cable management scheme
- Several cable strain relief options including – spiral and domed cable bend restrictor with compression cable seal, braided wire all metal bend relief, rubber molded boot



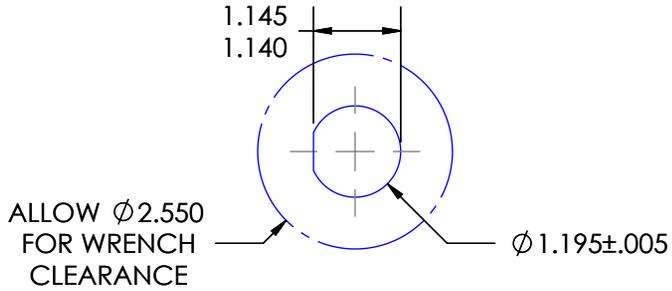
- Panelmaster receptacle that extends the installation compatibility of the TFOCA connector to wide range of panel thicknesses without comprising sealing capability
- Several cable strain relief options to suit all types of armored and non-armored cables
- Spliceable connector solutions to allow easy field installation where a clean environment for standard epoxy termination is not available

As with all Corning products these options are backed by careful attention to detail and award-winning customer service. Please contact us to discuss any alternative configurations that will make your interconnect solution implementation easier and therefore often yield economic benefits

CORNING

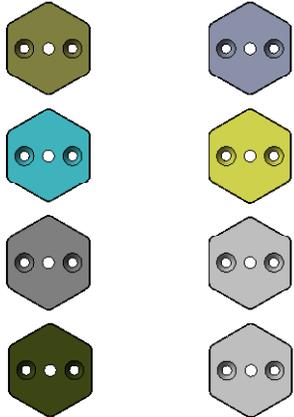
Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC 28216 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm
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RECOMMENDED PANEL CUTOUT
FOR FRONT MOUNT & REAR MOUNT SPLIT NUT
VIEW FROM FRONT OF PANEL



BASE MATERIAL
& PLATING OPTIONS

- ALUMINUM - CAD PLATE OLIVE DRAB
- ALUMINUM - STEEL GRAY HARD ANODIZE
- ALUMINUM - ELECTROLESS NICKEL - ZINC FINISH (MILITARY)
- BRONZE - NO PLATING
- ALUMINUM - BLACK HARD ANODIZE W/TEFLON IMPREGNATION (COMMERCIAL)
- 303 STAINLESS STEEL - PASSIVATED
- ALUMINUM - GREEN HARD ANODIZE W/ TEFLON IMPREGNATION (COMMERCIAL)
- 316L STAINLESS STEEL - PASSIVATED



TERMINI OPTIONS

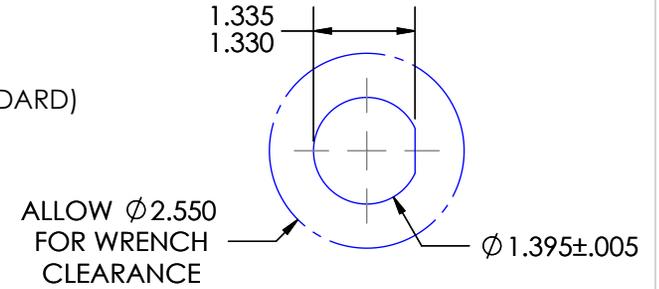
- NONE
- 4 TERMINI (STANDARD)
- 2 TERMINI / 2 DUMMY



INSERT KEY CONFIGURATION
& COLOR OPTIONS

- KEY 1 - MULTIMODE - BLUE/GRAY (STANDARD)
- KEY 2 - MULTIMODE - BLUE/GRAY
- KEY 3 - MULTIMODE - BLUE/GRAY
- KEY 4 - MULTIMODE - BLUE/GRAY
- KEY 1 - MQJ - GOLD
- KEY 2 - MQJ - GOLD
- KEY 3 - MQJ - GOLD
- KEY 4 - MQJ - GOLD
- KEY 1 - SINGLEMODE - BLUE
- KEY 2 - SINGLEMODE - BLUE
- KEY 3 - SINGLEMODE - BLUE
- KEY 4 - SINGLEMODE - BLUE
- KEY 1 - APC - GREEN
- KEY 2 - APC - GREEN
- KEY 3 - APC - GREEN
- KEY 4 - APC - GREEN
- KEY 1 - SECURE - RED
- KEY 2 - SECURE - RED
- KEY 3 - SECURE - RED
- KEY 4 - SECURE - RED

RECOMMENDED PANEL CUTOUT
FOR PANELMASTER ONLY
VIEW FROM FRONT OF PANEL



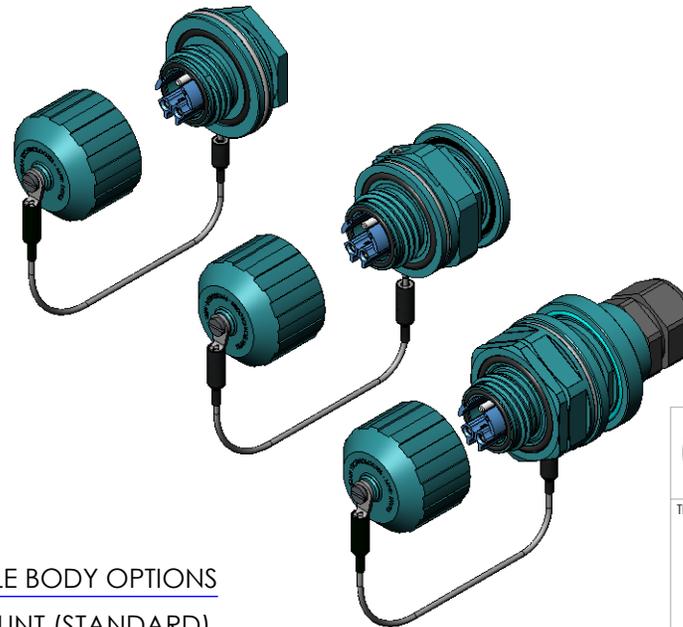
STRAIN RELIEF OPTIONS

- NONE (STANDARD)
- SPIRAL FOR .20"-.35" OD CABLE
- SPIRAL FOR .27"-.47" OD CABLE
- SPIRAL FOR .39"-.55" OD CABLE
- DOMED FOR .20"-.35" OD CABLE
- DOMED FOR .27"-.47" OD CABLE
- DOMED FOR .39"-.55" OD CABLE



PANEL SEAL OPTIONS

- VITON (COMMERCIAL)
- EPDM NBC (MILITARY)
- EPDM CONDUCTIVE NBC/EMI (MILITARY)



RECEPTACLE BODY OPTIONS

- FRONT MOUNT (STANDARD)
- REAR MOUNT SPLIT NUT
- REAR MOUNT PANELMASTER

CORNING

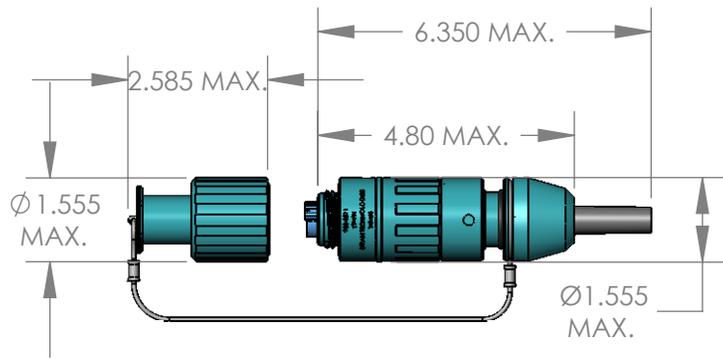
TITLE:

4 CH. TFOCA
GenX JAMNUT
RECEPT.

39 GREAT HILL RD
NAUGATUCK, CT 06770
(203) 729-2572

LAST UPDATE:

10-01-13



BASE MATERIAL & PLATING OPTIONS

- ALUMINUM - CAD PLATE OLIVE DRAB
- ALUMINUM - STEEL GRAY HARD ANODIZE
- ALUMINUM - ELECTROLESS NICKEL - ZINC FINISH (MILITARY)
- BRONZE - NO PLATING
- ALUMINUM - BLACK HARD ANODIZE W/TEFLON IMPREGNATION (COMMERCIAL)
- 303 STAINLESS STEEL - PASSIVATED

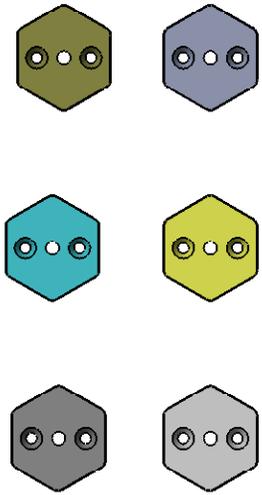


INSERT KEY CONFIGURATION & COLOR OPTIONS

- KEY 1 - MULTIMODE - BLUE/GRAY (STD)
- KEY 2 - MULTIMODE - BLUE/GRAY
- KEY 3 - MULTIMODE - BLUE/GRAY
- KEY 4 - MULTIMODE - BLUE/ GRAY
- KEY 1 - MQJ - GOLD
- KEY 2 - MQJ - GOLD
- KEY 3 - MQJ - GOLD
- KEY 4 - MQJ - GOLD
- KEY 1 - SINGLEMODE - BLUE
- KEY 2 - SINGLEMODE - BLUE
- KEY 3 - SINGLEMODE - BLUE
- KEY 4 - SINGLEMODE - BLUE
- KEY 1 - APC - GREEN
- KEY 2 - APC - GREEN
- KEY 3 - APC - GREEN
- KEY 4 - APC - GREEN
- KEY 1 - SECURE - RED
- KEY 2 - SECURE - RED
- KEY 3 - SECURE - RED
- KEY 4 - SECURE - RED

BACKNUT & STRAIN RELIEF OPTIONS

- BACKNUT & BOOT (STANDARD) <.266"
- BACKNUT & BOOT .267" - .346"
- SPIRAL FOR .20"-.35" OD CABLE
- SPIRAL FOR .27"-.47" OD CABLE
- SPIRAL FOR .39"-.55" OD CABLE
- DOMED FOR .20"-.35" OD CABLE
- DOMED FOR .27"-.47" OD CABLE
- DOMED FOR .39"-.55" OD CABLE
- S.S. KELLUMS GRIP FOR .19"-.25" OD CABLE
- S.S. KELLUMS GRIP FOR .25"-.31" OD CABLE
- S.S. KELLUMS GRIP FOR .38"-.44" OD CABLE
- S.S. KELLUMS GRIP FOR .44"-.50" OD CABLE
- S. S. KELLUMS GRIP FOR .50"-.56" OD CABLE
- SEALCON STRAIN RELIEF FOR .16"-.31" CABLE
- SEALCON STRAIN RELIEF FOR .24"-.47" CABLE
- SEALCON STRAIN RELIEF FOR .39"-.55" CABLE



TERMINI OPTIONS

- NONE
- 4 TERMINI (STANDARD)
- 2 TERMINI / 2 DUMMY

DUSTCAP OPTIONS

- NONE
- HERMAPHRODITIC (STANDARD)
- MALE



CORNING

TITLE:

ASS'Y, CONN., PLUG,
TFOCA GenX, 4 CH.

39 GREAT HILL RD
NAUGATUCK, CT
06770
(203) 729-2572

LAST UPDATE:

01-18-10

CORNING

TFOCA GenX™ Tactical Fiber Optic Connector



The Corning TFOCA GenX™ tactical fiber optic connector provides the ultimate in reliable performance in harsh environments where high cycle mating is of concern. Built on the ubiquitous telecommunications grade 2.5mm ceramic ferrule technology, the design and packaging of these connectors provide a robust connectivity solution resistant to corrosion, shock and thermal shock environments while providing easy field maintenance. Some of the applications currently employing Corning's TFOCA GenX include:

- Deployable military tactical systems
- Outside Broadcast
- Emergency restoration systems
- Video / data transmission
- Fully compatible with legacy product
- Harmonized to ensure alignment with the MIL-PRF-83526/16 & /17 specification.

Features and Benefits

Standard hermaphroditic, or genderless, configurations include: 4, 8 and 12 channels

Meets mechanical interface requirements of MIL-PRF-83526/16 & /17

Multiple plating options: ZnNi, Black Anodize, Black Anodize Matte, Cadmium, and Passivated Stainless Type 303

Both single-mode and multimode fibers are compatible in the same connector without part sub-component substitution

Field maintainable

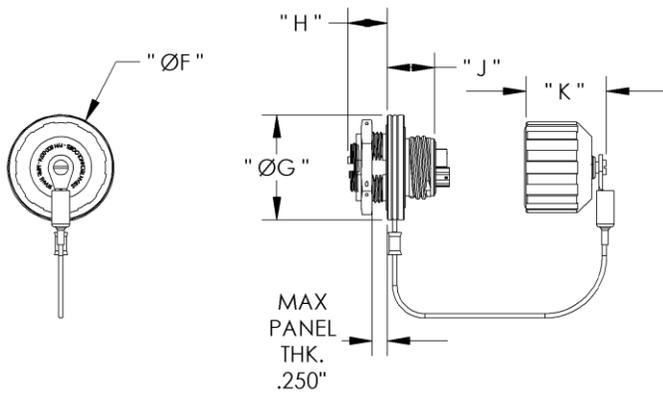
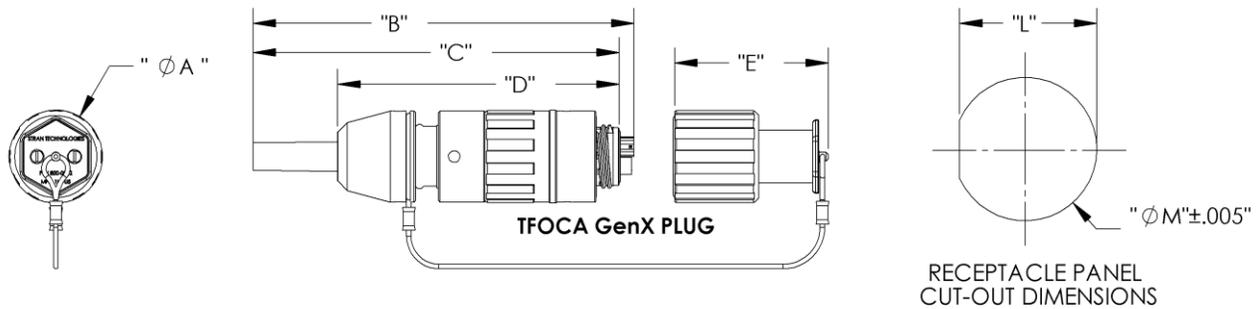
Field demountable termini for improved maintainability and re-polish

Captured split alignment sleeves for enhanced Insertion Loss performance

PC polish

Qualified to A3302584

TFOCA GenX™ Plug and Receptacle Dimensions



PLUG DIMENSIONS			
DIMENSION	4 CH.	8 CH.	12 CH.
Ø A	1.55	2.12	2.12
B	6.55	6.60	6.60
C	6.08	6.35	6.35
D	4.66	4.63	4.63
E	2.53	2.65	2.65



RECEPTACLE & PANEL MOUNT DIMENSIONS			
DIMENSION	4 CH.	8 CH.	12 CH.
Ø F	1.53	2.31	2.31
Ø G	1.75	2.31	2.31
H	0.65	0.52	0.52
J	0.79	0.77	0.77
K	1.28	1.35	1.35
L	1.14	1.68	1.68
Ø M	1.19	1.75	1.75

Technical and Performance Characteristics

Optical Insertion Loss	Single-mode 9/125: 0.75 dBmax, 0.35 dBtyp Multimode 50, 62.5/125: 0.75 dBmax, 0.14 dBtyp
Mating Durability	2000 cycles per EIA-455-21
Corrosion Resistance	EIA-455-16, condition C
Temperature Life	85°C for 250 hours per EIA 455-4
Thermal Shock	-62°C to +85°C per EIA-455-71, cond. B
Humidity	10 cycles per EIA-455-5
Physical Shock	per EIA-455-14, test condition A
Vibration	10 g's per EIA-455-11
Cable Retention	400 lbs, per EIA-455-6
Fluid Immersion	1 meter, per EIA-455-12
Impact	EIA-455-2
Crush Resistance	450 lbs, per EIA-455-26
Cable Seal Flexing	Per EIA-455-1
Return Loss	>30 dB MMF, >40 dB SMF with PC polish

CORNING

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