



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



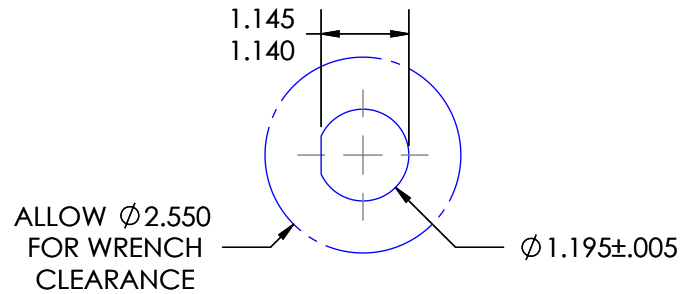
- Panelmaster receptacle that extends the installation compatibility of the TFOCA connector to wide range of panel thicknesses without comprising sealing capability
- Several cable strain relief options to suit all types of armored and non-armored cables
- Spliceable connector solutions to allow easy 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

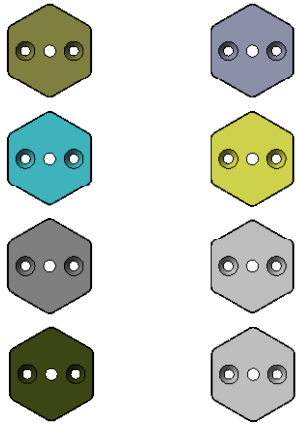
Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC 28216 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm
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RECOMMENDED PANEL CUTOUT
FOR FRONT MOUNT & REAR MOUNT SPLIT NUT
VIEW FROM FRONT 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/ TEFLO
IMPREGNATION (COMMERCIAL)
316L STAINLESS STEEL - PASSIVATED



TERMINI OPTIONS

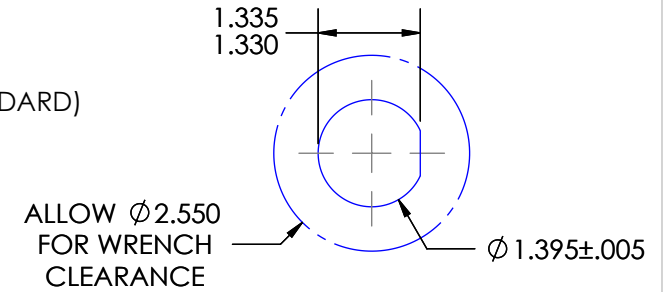
NONE
4 TERMINI (STANDARD)
2 TERMINI / 2 DUMMY



INSERT KEY CONFIGURATION
& COLOR OPTIONS

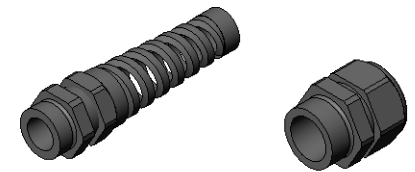
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KEY 2 - MULTIMODE - BLUE/GRAY
KEY 3 - MULTIMODE - BLUE/GRAY
KEY 4 - MULTIMODE - BLUE/GRAY
KEY 1 - MQJ - GOLD
KEY 2 - MQJ - GOLD
KEY 3 - MQJ - GOLD
KEY 4 - MQJ - GOLD
KEY 1 - SINGLEMODE - BLUE
KEY 2 - SINGLEMODE - BLUE
KEY 3 - SINGLEMODE - BLUE
KEY 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



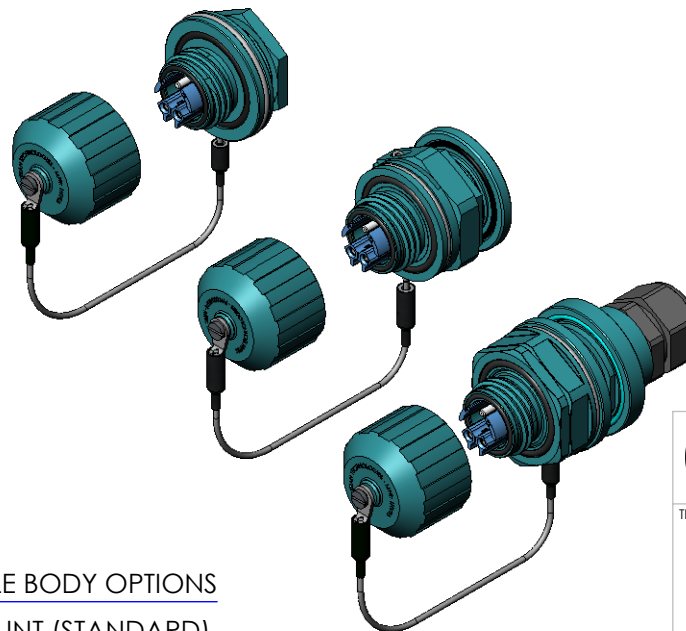
STRAIN RELIEF OPTIONS

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

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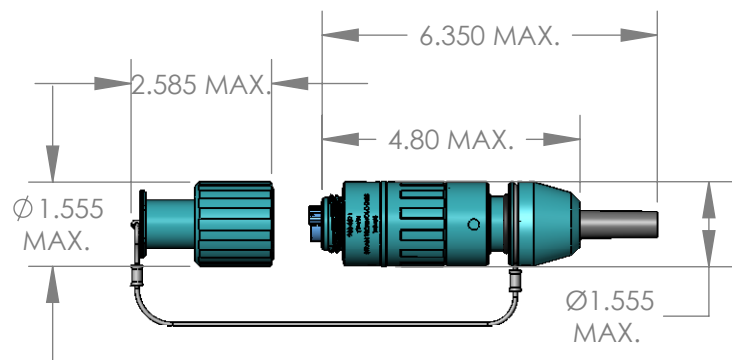
TITLE:

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

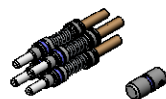
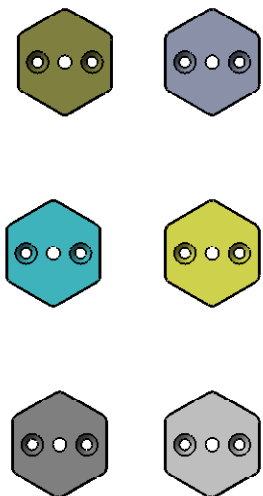


INSERT KEY CONFIGURATION & COLOR OPTIONS

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



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TITLE:

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

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

LAST UPDATE:

01-18-10

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TFOCA GenX™ Tactical Fiber Optic Connector



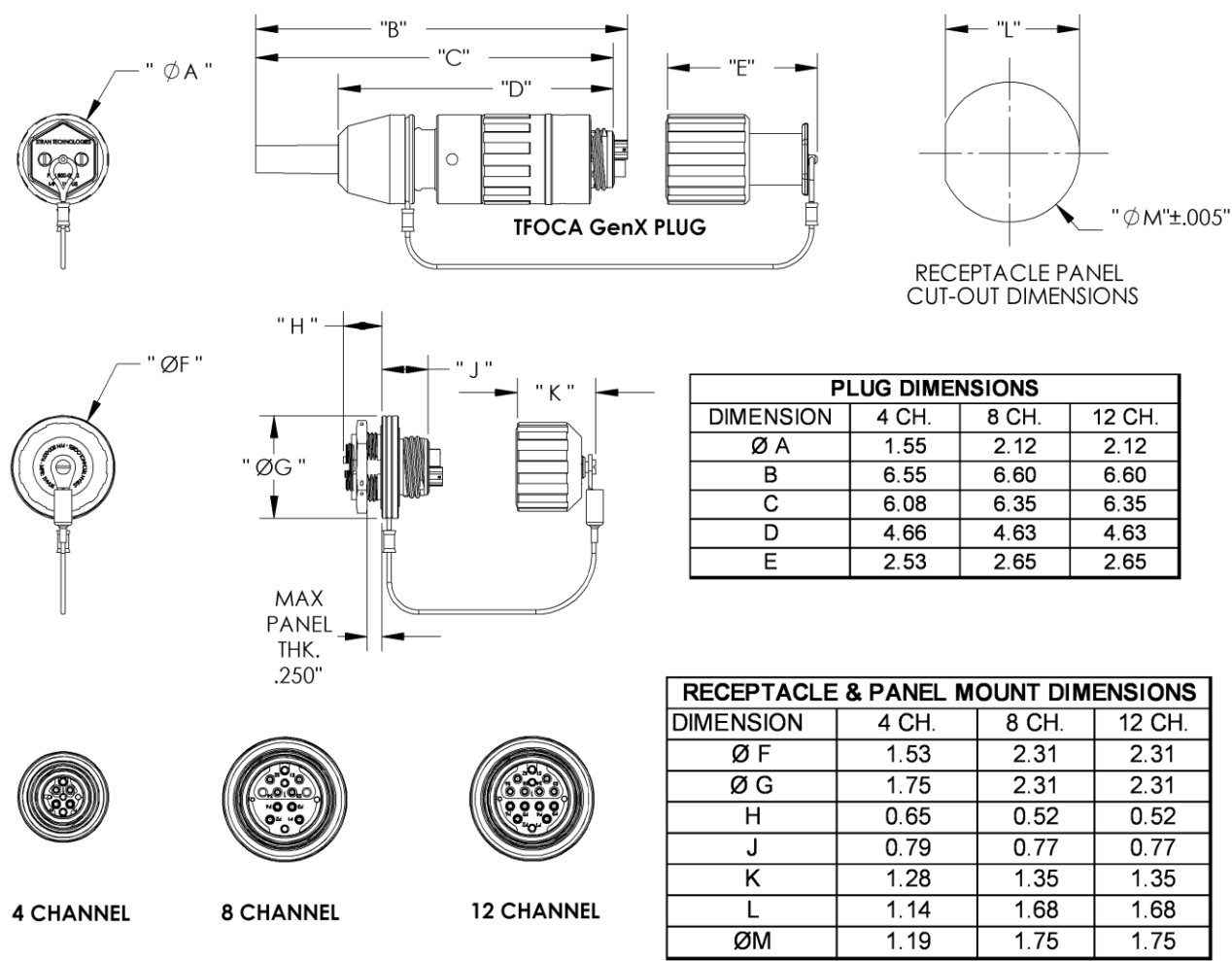
The Corning TFOCA GenX™ tactical fiber optic connector provides the ultimate in reliable performance in harsh environments where high cycle mating is of concern. Built on the ubiquitous telecommunications grade 2.5mm ceramic ferrule technology, the design and packaging of these connectors provide a robust 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



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

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