

FODC connector

-FOSTEC Fiber optic D-SUB Connectivity-

ABOUT

FOSTEC D-SUB connector is a specialized type of connector designed with the ability to handle fiber optic signals. D-SUB connectors are widely recognized in electronic and data communication systems for their use in connecting cables to devices like computers and industrial equipment. FOSTEC D-SUB connector integrates fiber optic technology into this familiar form, enabling the transmission of optical signals within the same physical format.



PLUG TYPE



RECEPTACLE TYPE

APPLICATION

- Military & Aerospace
- Avionics
- Industrial Equipment
- Medical Equipment
- Broadcast and Media
- Railway and Metro System
- Robotics
- Oil & Gas Plant Facilities

FEATURES & BENEFITS

- Hybrid Design(optical + Electrical)
- Customizable Configurations
- Low Insertion Loss
- Enhanced Environmental Resistance
- High Data Transmission Rates
- Security and Safety
- Space-Saving
- High Reliability

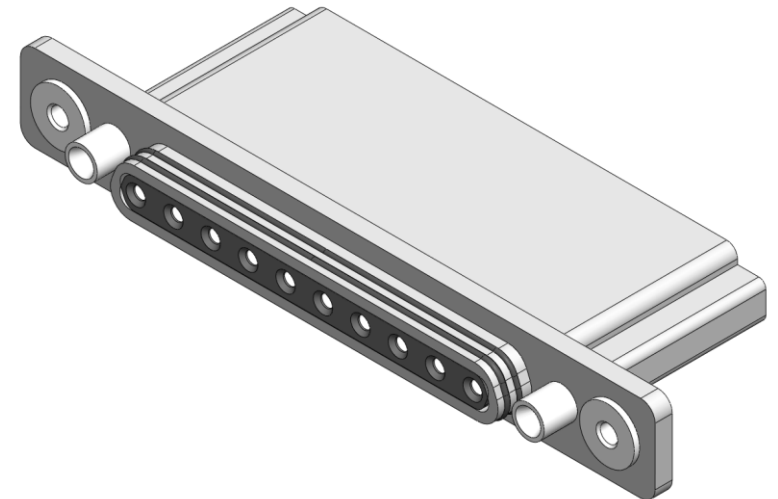
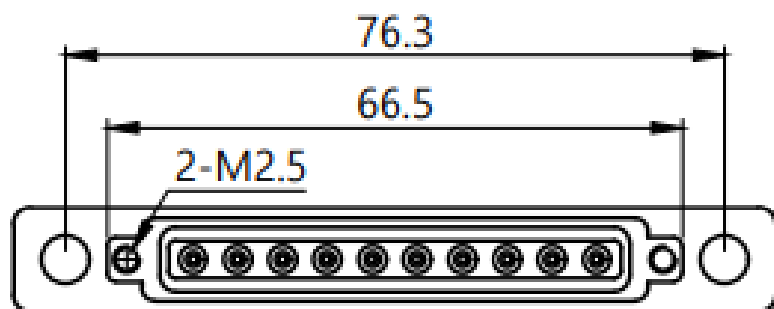
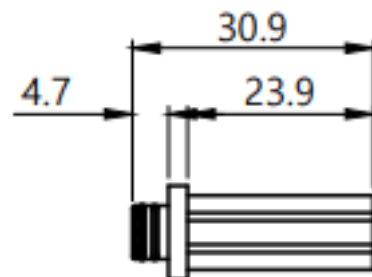
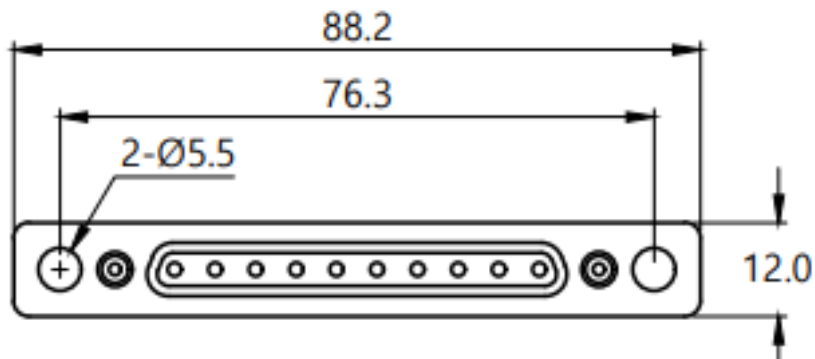
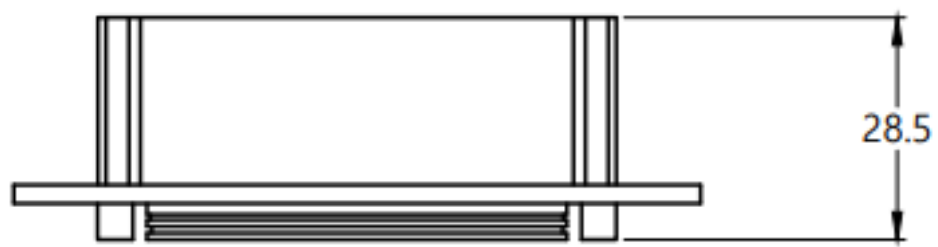
SPECIFICATION

Parameter	Multimode(@850nm/1300nm)	Single mode(@1310nm/1550nm)
Insertion Loss	Less than 4 channels - 1.0dB Max More than 4 channels – 1.5dB Max	Less than 4 channels - 1.0dB Max More than 4 channels – 1.5dB Max
Operating temperature	-60°C to +85°C	
Storage temperature	-60°C to +85°C	
Durability	Min 500 matings	
Vibration	10-2000Hz, 3 directions, 1.52mm amplitude @20g acceleration	
Terminus	M29504/4-4208(4209, 4210, 4040) M29504/5-4237(4238, 4239, 4046)	

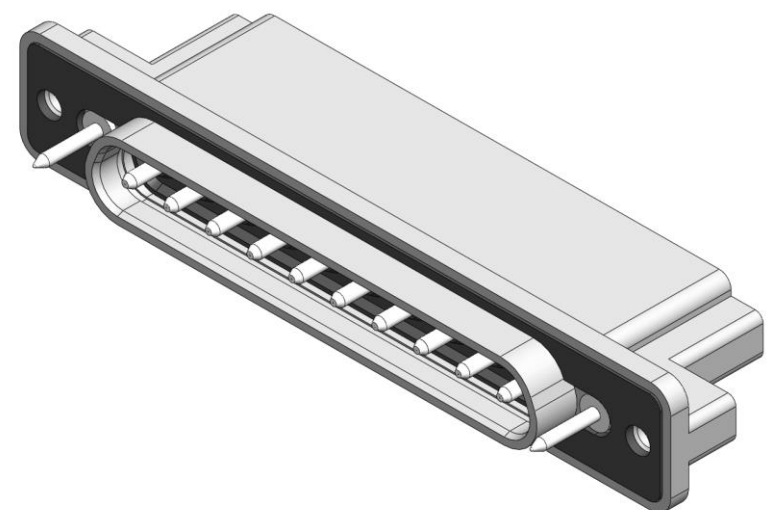
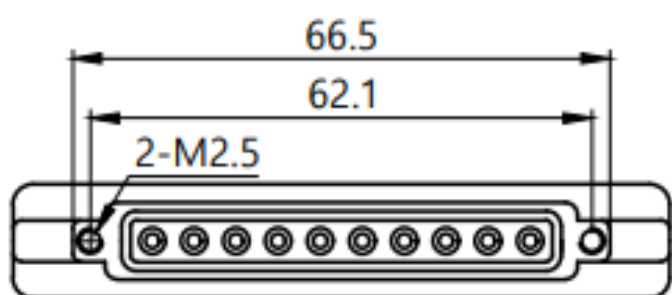
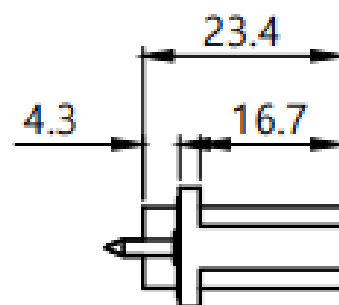
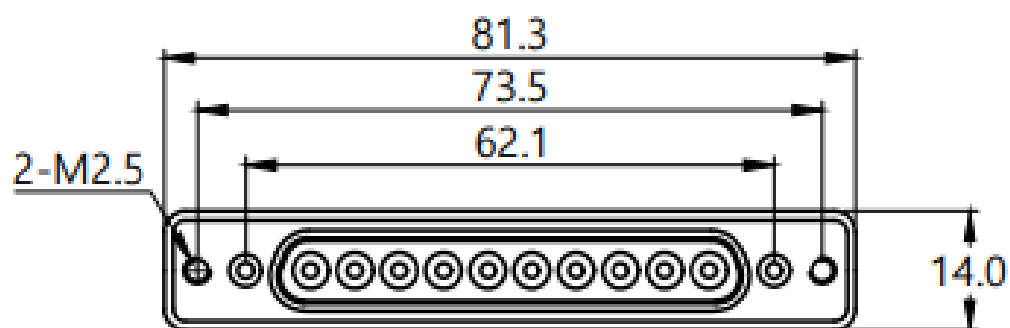
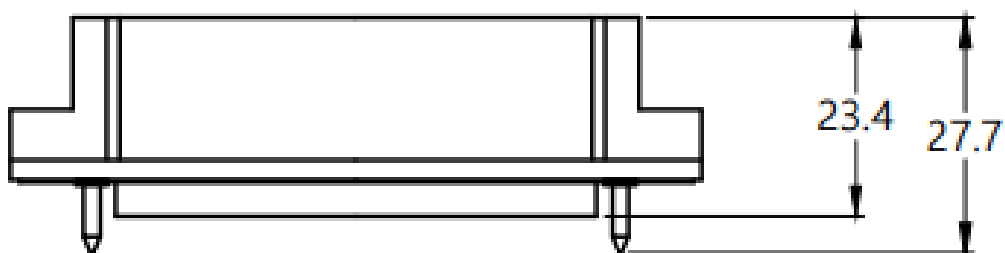


CONFIGURATION (Reference Only)

PLUG TYPE



RECEPTACLE TYPE



ORDERING INFORMATION

FODC - A - B - C - D - E - F - G - H - I

e.g. **FODC - PC - C - 1 - 1 - 09 - A - 2 - A - 1.0**

- A: CONNECTOR TYPE END A
- B: MATERIAL / SHELL FINISH
- C: NUMBER OF FIBERS
- D: NUBMER OF ELECTRICAL
- E: FIBER TYPE
- F: WAVELENGTH
- G: CABLE DIAMETER
- H: CONNECTOR TYPE END B
- I: TOTAL CABLE LENGTH

A: CONNECTOR TYPE END A

- PC - PLUG
- RC - RECEPTACLE

B: MATERIA / SHELL FINISH

- C - ALUMINUM SHELL / CHROMATE 1A
- F - ALUMINUM SHELL / ANODIC COATING

C: NUMBER OF FIBERS

- 0 - 0 OPTICAL CHANNEL
- 2 - 2 OPTICAL CHANNEL
- 4 - 4 OPTICAL CHANNEL
- 8 - 8 OPTICAL CHANNEL
- 10 - 10 OPTICAL CHANNEL

D:NUMBER OF ELECTRICAL

- 0 - NO ELECTRICAL CONTACTS
- 2 - 2 ELECTRICAL CONTACTS
- 4 - 4 ELECTRICAL CONTACTS
- 8 - 8 ELECTRICAL CONTACTS
- 10 - 10 ELECTRICAL CONTACTS

E: FIBER TYPE

- 09 - SINGLE MODE(9/125)
- 52 - MULTI MODE(50/125) - OM2
- 53 - MULTI MODE(50/125) - OM3
- 54 - MULTI MODE(50/125) - OM4
- 62 - MULTI MODE(62.5/125) - OM1

F: WAVELENGTH

- A - 850/1300nm
- B - 1310/1550nm
- C - 850nm ONLY
- D - 1300nm ONLY
- E - 1310nm ONLY
- F - 1550nm ONLY

G: CABLE DIAMETER

- 0.9: 0.9mm
- 2.0: 2.0mm

H: CONNECTOR TYPE END B

- A - SAME AS END A
- SC - SC TYPE CONNECTOR
- LC - LC TYPE CONNECTOR
- ST - ST TYPE CONNECTOR
- FC - FC TYPE CONNECTOR

I: CABLE LENGTH

- 1 - 1M
- 10 - 10M
- 100 - 100M