

0.50mm Pitch FFC/FPC – F33D Series

RIGHT ANGLE ZIF FLEX CONNECTOR

F33D series is a 0.50mm pitch right angle ZIF flex connector with back flip mechanism and surface mount termination. This connector features a height of 0.70mm and comes in 4 to 20 contacts. This series features a cable thickness of 0.12mm and provide enhanced durability of 10 mating cycles. It comes with a robust design and prevent solder and flux wicking. These are ideal for automotive, data, industrial, communication, consumer and medical applications.

- Low profile for maximum space savings
- Back side flip actuator design makes cable insertion easy
- Ensures high solderability and high durability



TARGET MARKETS



FEATURES

- 0.7mm low profile and small footprint
- Back side flip actuator
- Design against solder and flux wicking
- High-temperature thermoplastic housing
- 4 to 20 positions available
- Lead and halogen-free

BENEFITS

- Save maximum space on small devices and mobile applications
- Easy to operate and strong FFC/FPC retention
- Provides high solderability and high durability
- Wide operating temperature range of -55°C to +85°C
- Comprehensive range to satisfy different customer requirements
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION

MATERIAL

- Housing: LCP, Black color (UL94V-0)
- Actuator: PPS, Black color (UL94V-0)
- Contact: Copper Alloy, T=0.15mm
- Anchor-plate: Copper Alloy, T=0.12mm

ATTRIBUTES

- Orientation: Right angle
- Cable Termination: ZIF
- Cable Type: FPC/FFC, T0.12mm
- Board Termination: Surface mount
- Height: 0.7mm

MECHANICAL PERFORMANCE

- Durability: 10 mating cycles

ELECTRICAL PERFORMANCE

- Voltage Rating: 50VAC/VDC
- Current Rating: 0.4A
- Contact Resistance: 30MΩ max.
- Insulation Resistance: 100MΩ min.
- Dielectric Withstanding Voltage: No short or breakdown after 200VAC, 1mA, 1min.

APPROVALS AND CERTIFICATIONS

- UL file number E106764
- RoHS compliant

ENVIRONMENTAL

- Operating Temperature Range: -55°C to +85°C

SPECIFICATION

- Aurora Product Specification: IS.EQC.205

PACKAGING

- Tape & Reel

TARGET MARKETS/APPLICATIONS



Car Multimedia
Car Navigation
Dashboard
PND



Base Station
Power
Switches



Notebook
Tablets
Wearables
Gaming
DSC
LCD & PDP TV



Router
Server
ODD
HDD

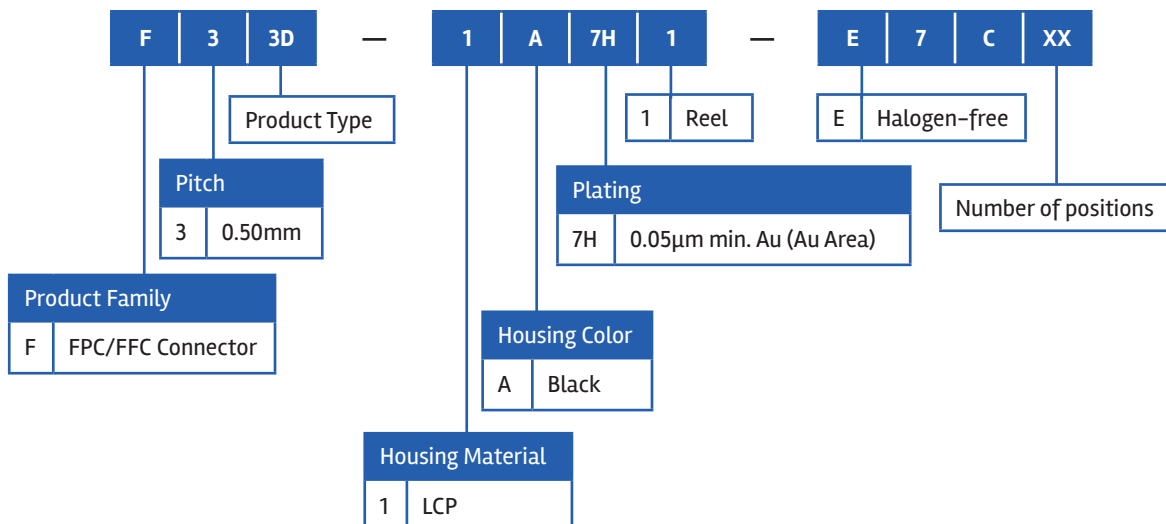


Sensing Element
Monitoring Camera
Human Machine Interface
Industrial PC
Robotics



Ultrasonic
Patient Monitor
MRI
CT
Infusion Pump

PART NUMBER SELECTOR



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