

1.00 mm Pitch FFC/FPC – F54T Series

VERTICAL A TYPE ZIF FLEX CONNECTOR

F54T series are 1.00 mm pitch vertical ZIF flex connectors with a slider mechanism and surface mount termination. These connectors feature a height of 5.75 mm and come in 5 to 30 contacts. These series feature a cable thickness of 0.30 mm and provide enhanced durability of up to 30 mating cycles. The connectors feature a robust design that prevents solder and flux wicking. These are ideal for automotive, data, industrial, communication, consumer, and medical applications.

- Easy to operate and strong FFC/FPC retention make it vibration-proof
- Ensures high solderability and high durability



FEATURES

- ZIF (Zero Insertion Force) mechanism
- Slider mechanism
- Design against solder and flux wicking
- High-temperature thermoplastic housing
- 5 to 30 positions available
- Lead and halogen-free

BENEFITS

- Absence of frictional mating wear resulting in high mating cycle life
- Easy to operate and strong FFC/FPC retention makes make it vibration-proof
- Ensures high solderability
- Wide operating temperature range of -40 °C to +85 °C
- Comprehensive range to satisfy different customer requirements
- Meets environmental, health, and safety requirements

TECHNICAL INFORMATION

MATERIAL

- Housing: LCP, Natural color (UL 94 V-0)
- Slider: PA9T, Natural color (UL 94 V-0)
- Contact: Phosphor Bronze, T=0.32 mm

MECHANICAL PERFORMANCE

- FFC/FPC Retention Force: Refer to Spec (IS. EQC.316)
- Terminal Retention Force: 4.9N/pin min.
- Durability: 30 mating cycles

ELECTRICAL PERFORMANCE

- Voltage Rating: 125 VAC/VDC
- Current Rating: 1 A
- Contact Resistance: 20 mΩ max.
- Insulation Resistance: 100 MΩ min.
- Dielectric Withstanding Voltage: No short or breakdown after 500 VAC, 2 mA, 1 min.

PACKAGING

- Tape & Reel

APPROVALS AND CERTIFICATIONS

- UL File Number: E106764
- RoHS-compliant

SPECIFICATION

- Aorora Product Specification: IS.EQC.316

ENVIRONMENTAL

- Operating Temperature Range: -40 °C to +85 °C

TARGET MARKETS/APPLICATIONS



Car Multimedia
Car Navigation
Dashboard
PND



Router
Server
ODD
HDD



Base Station
Power
Switches



Sensing element
Monitoring camera
Human Machine Interface
Industrial PC
Robotics



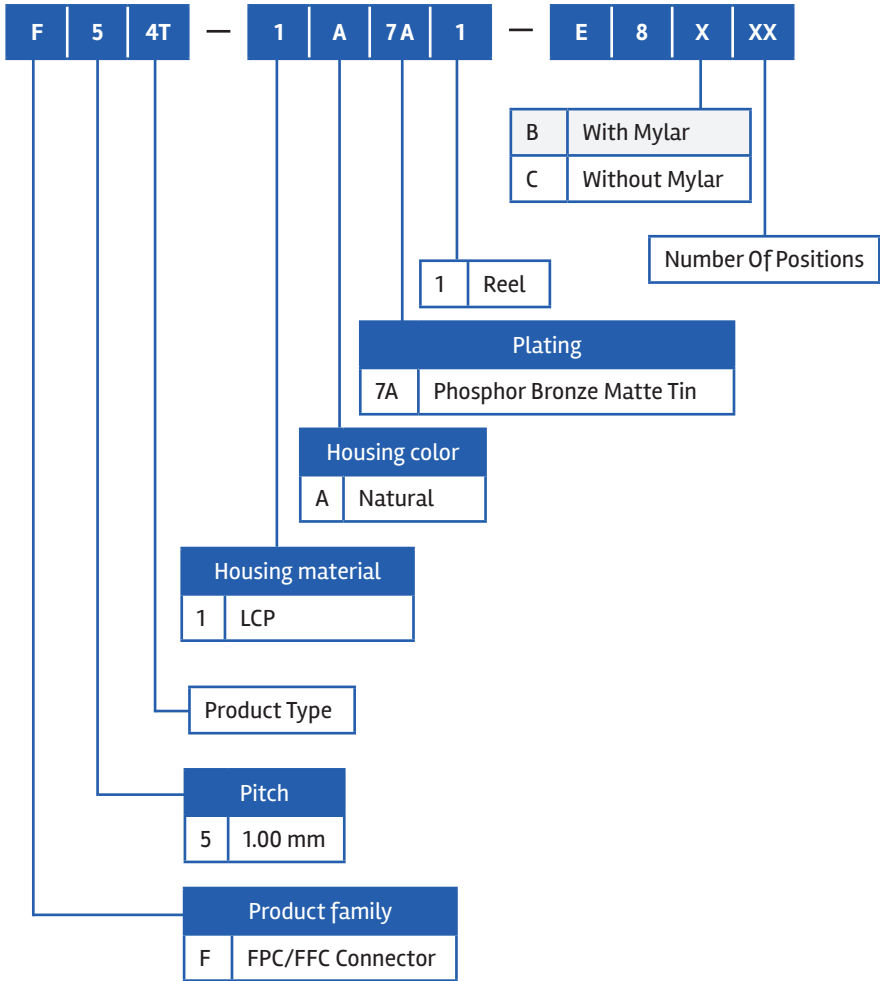
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