

Fan Module Connector



OVERVIEW

Luxshare-TECH's fan module connector is design for card-to-wire unified fan power supply and management interface in fan module. It allows wire gauges ranging from 18AWG ~ 28AWG for power, 24AWG ~ 28AWG for signal. The current carrying capacity of power pin is up to 17A, the current carrying capacity of signal pin is up to 5A, Luxshare-TECH fan connector could be adopted together with diversefans (Size: 40mm, 60mm, 80mm). The Golden fingermating interface allows customers to maintain the fan module very easily and one-piece connector design save the cost. There is a EEPROM IC assigned in connector, it is used to record operations of fan, make connector smarter. The memory size of the EEPROM IC could be customized.

FEATURES & BENEFITS

- The current carrying capacity is designed to compatible different sizes of fan (40mm, 60mm, 80mm)
- IC in connector which is used to record operations of fan, make connector be smarter
- Diversion cover improves air flow performance
- Light pipe-frame orientation is on right available
- Air deflector help optimize Air flow and maximize the Air volume in to fans

PRODUCT APPLICATIONS

Storage
Switches
Servers
AI device
Instuments
Edge Computing device

INDUSTRY STANDARDS

Design by Luxshare-TECH

TECHNICAL INFORMATION

MATERIAL

Crimp Terminal: Copper Alloy
Contact Area Finish: Gold over Nickel
Crimp Area: Tin over Nickel
Terminal: Copper Alloy
Contact Area: Gold over Nickel
Housing: High temperature thermoplastic(UL 94V-0)
Housing Cover: High temperature thermoplastic(UL 94V-0)

ELECTRICAL PERFORMANCE

Voltage: 250V AC/DC MAX
Current: Power Crimp Pin 28AWG Wire 3 A max per contact
Power Crimp Pin 26AWG Wire 5 A max per contact
Power Crimp Pin 24AWG Wire 8 A max per contact
Power Crimp Pin 22AWG Wire 11 A max per contact
Power Crimp Pin 20AWG Wire 14 A max per contact
Power Crimp Pin 18AWG Wire 17 A max per contact
Signal Crimp Pin 28AWG Wire 1 A max per contact
Signal Crimp Pin 26AWG Wire 3 A max per contact
Signal Crimp Pin 24AWG Wire 5 A max per contact

Partial PN Table

Product Numbers	Product Description
PFDV03-08083R00H	Fan connector with IC, 16pin, 30u' Goldplating, light pipe on the right, Gold finger mating interface

MECHANICAL PERFORMANCE

Rated Durability Cycles: 100
CrimpTerminal Retention Force(in housing):
20N MIN/Pin power
12N MIN/Pin Signal

PACKAGING

PE Bag
Tray

SPECIFICATION

ES-11-00-0005

ENVIRONMENTAL

Operating temperature : -45°C TO +105°C