

PRODUCT OVERVIEW

YAGEO Group's **JXF0- series** of compact, Trough Hole Reflow (THR) compatible ICMs provide IEEE802 .3bt connectivity for 1G, 2.5G and 5G with designs supporting up to 90W powered DC supply using Power over Ethernet (PoE) At 25mm deed they can save up to 25% PCB real estate compared to alternative 90W PoE products*.

The JXF0-family are UL listed, RoHS, REACH and Halogen free and supports IR Reflow Soldering at 245°Cpk removing the need for a secondary solder process.



Quick Facts NEW

IEEE802.3bt (90W PoE+) compliant for 1G, 2.5G and 5G Ethernet data rates in the same platform

Compatible with wave and IR Reflow supporting Pin-in-Paste (PiP) or Through hole reflow (THR)

Compact 25.5x16.8 footprint saves 25% PCB area*

Bi-color LED for link configurations

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Wired Comms

PulseJack™ ICM

Compact, THR Gigabit PoE+ ICM



Key Selling Points

Features

IEEE 802.3 Gigabit Compliant

Supports remote DC Power feed over cable

Compact Form Factor (LWH)

Wide operating Temperature

Reliable Performance

Pin-in-Paste / THR Technology Compatible

Customer Value

Same footprint design support 1G, 2.5G and 5G Base-T

Supports IEEE802.3bt, Enables 4pair 90W (900mA) DC power

Small size (25.5 x 16.8 x 13.5mm) can save 25% PCB space

Industrial Grade -40 to +85oC working range with

UL certified, Modular construction with Auto wound coils

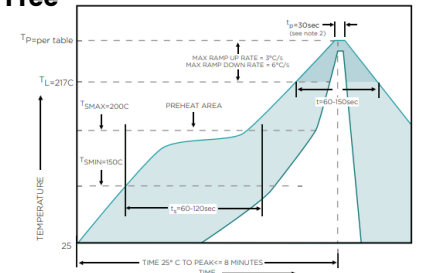
Designed for Wave and reflowing soldering – ensuring easy integration into high-volume manufacturing

Target Applications

- Industrial Switches
- Routers – Copper and Wi-fi
- Network Cards
- Process Control
- Embedded Computing
- LTE Wireless Access points
- Security entry systems
- PZT Digital Cameras
- Remote powered Sensing

Market Advantages

- Compact footprint with range of Data rates
- 90W PoE over 4 pair Cabling in small PCB area
- UL Certified modular design for high Reliability
- RoHS, REACH and Halogen Free
- IR reflow compatible
 - JEDEC-J-STD-020F
 - 245°C peak
 - MSL 1



* Compared to earlier JK0-, JT4- and JT7 ICM platforms