



HIGH SPEED, HIGH POWER, HIGH DENSITY! - THROUGH-HOLE LAN MODULES DELIVER.

COMPACT FOOTPRINTS, ROBUST DESIGN

Pulse announces the release of their latest small form factor through hole discrete LAN magnetics modules in single, dual and quad-port packages. This series leverages the cost-effective manufacturing processes of the Bothhand brand which was acquired by Yageo in 2022. These components have been designed to suit the growing demands for infrastructure equipment; from wireless access points – especially for LTE/ 5G mobile micro sites and base stations to OLT/ONT modems for customer premise connectivity. They are also an ideal compact fit for SoHo Wi-Fi 6/6E routers, consumer game consoles, docking stations and data dongles.

All the THT LAN series presented here meet the latest WEEE , RoHS and, lead and Halogen free directives and are compatible with major PHY suppliers worldwide. All parts are compatible with wave soldering with 265°C peak process. The performances are optimized for fixed and multi-rate Ethernet from 100Base-TX to 10GBase-T with compliance to IEEE 802.3 standard for data rates and the annexes af, at and bt for Power over Ethernet upto 90W.

The DIP header design saves space compared to standard SMD products often by more than 50% as they come in options from 18pin single Ports to 96pin Quad designs – The Datasheets can be found on Pulse Electronics website - www.pulseelectronics.com or via the links below:

100/1000 Base-T Single Port	–	<u>HB501.A</u>
100/1000 Base-T Dual Port	–	<u>HB502.A</u>
1G, 2.5/5G,10G Quad Port PoE	–	<u>HB503.A</u>
1G, 2.5/5G, 10G Quad Port	–	<u>HB504.A</u>

FEATURES AND BENEFITS:

- Supports 100/1000/2.5G/5G/10GBase-T full duplex data rate applications
- Meets IEEE802.3u/ab/bz/an/at/bt standards
- Compatible with all major PHYs
- Single, dual and Quad ports available
- Supports wave soldering with 265°C peak profiles
- Power over Ethernet upto 90W
- Low common mode EMC and EMI
- RoHS compliant and Halogen free
- Operating temperature range options;
0 to 70°C, -40 to +85°C and -40 to +90°C

KEY APPLICATIONS

- Commercial or Industrial switches/routers
- LTE/5G base stations
- OLT/ONC CPE modems
- Wi-Fi6/6E routers and WAPs Points & Sensors
- Game console, docking stations and data dongle
- High-volume consumer applications