



INDUSTRIAL RJ45 CONNECTOR SUPPORTS PIN-IN-PASTE/THR PROCESSING

Pulse Electronics launches a selection of pure right-angled, THR (through hole reflow) compatible RJ45 connectors in Latch /Tab-Up configuration. The new E5J88- series has a shallow depth from the edge of the PCB of just 15mm and with the standard industrial Ethernet transformers - like HX1188NL - also from Pulse, can vie for the same space as a single integrated solution like JX10/JXR10-0011NL-. However, the discrete solutions give a more flexible option when it comes to component placement, as the reverse of the PCB can also be used with PCMCIA magnetics.

The E5J88-4xLHxx-L (1x1, single port) or the E5J88-4xAHxx-L (1x2, dual port) is normally fitted with 2x green/yellow bi-colour LEDs which have been ruggedized to support the riggers of the high temperature reflow soldering processes.

These connectors will meet the requirements of CAT5e when used with an approve Pulse 1GbE LAN transformer and support current up to 1.5A for Power over Ethernet PoE if needed.



KEY APPLICATIONS

Industrial / Outdoor : Instrument and process control, Wireless access points and Routers, Robotics and automation, Sensing and Remote Metering
 Building Control : Lifts, escalators, HVAC, Lighting, CCTV Security, Keypad/Video entry, Access control

FEATURES & BENEFITS

- Industrial Ethernet Data rate from 100Mb to 1GbE
- Operating Temperature -40 to +85°C
- Supports IEEE802.3 power ratings from 15W to 90W
- Bi-Colour LEDs for indicating operating mode
- Rugged Design for industrial and outdoor use.
- Supports reflow soldering – peak 245°C
- Supplied in Trays or Tape and Reel

PART NUMBER	NUMBER OF PORTS	COLOUR	EMI FINGERS	LED OPTION (LEFT/RIGHT)	GOLD CONTACT THICKNESS	TEMP. RATING
E5J88-31LHS4-LT	Single	Black (GFN)	NONE	Yellow /Green	30u”	-40oC to +85°C
E5J88-41LHS4-LT*	Single	Black (GFN)	NONE	Green-Yellow /Green-Yellow	30u”	-40oC to +85°C
E5J88-44LHS4-LT*	Single	Black (GFN)	TOP & SIDES	Green-Yellow /Green-Yellow	30u”	-40oC to +85°C
E5J88-41AHS4-LT*	Dual	Black (GFN)	NONE	Green-Yellow /Green-Yellow	30u”	-40oC to +85°C
E5J88-44AHS4-LT*	Dual	Black (GFN)	TOP & SIDES	Green-Yellow /Green-Yellow	30u”	-40oC to +85°C

* Preferred Stock product for initial Design approvals supplied in Tape and Reel – Trays or Tubes on request.

• Contact Pulse FAE's and Sales Team for other package sizes, gold thickness and configurations. Custom option may be considered.