



MAGNETIC MODULAR JACKS

TE Connectivity's (TE) modular jacks with integrated magnetics offer a highly integrated connectivity solution from the cable to the physical layer for Ethernet network solutions. Integrating the magnetics into the jack allows for higher electro-magnetic interference (EMI) shielding, increasing reliability to the connection and signal. Additionally, integrating power over Ethernet (PoE) allows for remote powering of peripherals directly over the Ethernet line.

KEY BENEFITS

- Useful for heavy duty industrial applications due to extended temperature range and robust construction.
- Integrated magnetics allows for higher EMI shielding, creating more reliable connections and reducing signal degradation.
- PoE features allow for not only signal connection, but also power, suiting a wide variety of peripherals and ancillary devices.
- Useful for networking, data center, medical, and industrial applications utilizing Ethernet networking and connectivity solutions.

KEY FEATURES

- Extended temperature range (-40°C to 85°C) allowing for more robust operations and addressing the needs for demanding applications.
- Supports PoE standard IEEE 802.3at.
- Compact design on PCB saving space, while providing integrated magnetics and PoE.
- 1GBT, 2.5GBT,5GBT,and 10GBT capable designs meeting a wide-variety of data transfer requirements.

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PART NUMBERS

Part Number	Description
2489048-1	RJ45 W/MAGNET 1X1 10G LED PLATING T 50
2489079-1	RJ45 W/MAGNET 1X1 10G LED PLATING T 50
2489084-1	RJ45 W/MAGNET 1X1 10G LED PLATING T 50
2489085-4	RJ45 W/MAGNET 1X1 2.5G LED PLATING T 6
2489102-2	RJ45 W/MAGNET 1X1 2.5G LED PLATING T 30
2489103-1	RJ45 W/MGNT 1X1 5G POE 60W LED PLTG T 50
2489107-1	RJ45 MGNT 1X1 2.5G POE 60W LED PLTG T 50
2489108-1	RJ45 MGNT 1X1 5G POE 100W LED PLTG T 50
2489115-2	RJ45 MGNT 1X1 1G NON POE LED PLTG T 30
2489116-1	RJ45 MGNT 1X1 1G NON POE LED PLTG T 50
2489117-2	RJ45 MGNT 1X1 1G NON POE LED PLTG T 30
2489120-1	RJ45 W/MAGNET 1X1 1G LED PLATING T 50
2488942-2	RJ45 W/MAGNET 1X1 1G LED PLATING T 30
2488953-1	RJ45 W/MGNT 1X1 100BASE-T LED PLTNG T 50
2488960-3	RJ45 W/MGNT 1X1 100BASE-T LED PLTNG T 15
2488965-3	RJ45 MGNT 1X1 100B-T W/O LED PLTNG T 15
2488983-2	RJ45 W/MGNT 1X1 100B-T LED PLTNG T 30
2489011-1	RJ45 MGNT 1X1 POE+ 100B-1 LED PLTG T 50

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