

# 2x1 Magnetic Jacks >

The magnetic components in the jack help filter and isolate signals, reducing noise and improving overall signal quality. Unlike traditional connectors, which often face signal degradation due to noise and interference, the Magnetic Jack's design mitigates this issue, ensuring better signal integrity. The 2x1 configuration allows for two ports in a single module, saving space on circuit boards and in devices where space is at a premium. This compact design addresses the need for multiple ports in a single efficient module.



## ADVANTAGES AND FEATURES

### Provides a quick visualization of system status and functionality

The multiple LED status indicators make it easy for users to manage their connections efficiently and respond swiftly to any issues, enhancing both the usability and reliability of the system.

### Provides an additional layer of protection against electromagnetic interference (EMI)

The EMI shield tabs enhance the ability of Magnetic Jacks to operate reliably in environments prone to EMI, ensuring high-quality signal transmission and reducing the likelihood of performance issues.

Voltage (max.)	125V DC
Current (max.)	0.1A
Contact Resistance	20 milliohms
Mating Cycles (min.)	750 cycles
PCB Thickness	2.00 to 2.80mm
Operating Temperature	-40 to +85°C

### Delivers robust and reliable through-hole PCB connections

The reflow-solder capability and enhanced solder joint integrity provided by pin-in-paste technology makes it an ideal choice for high-density PCB designs, ensuring both efficiency and durability.

## MARKETS AND APPLICATIONS

### Telecommunications

Hubs  
Servers  
Printers  
Set-Top boxes

### Industrial Automation

PLC Controllers  
Network Interfaces  
Motion Control Devices  
Sensor Networks

### Power for Data Center

Internet of things applications  
Wireless Access Points



Set-Top Boxes



PLC Controllers



Wireless Access Points

