

MXMag Single-Port RJ45 Connectors



Delivering a durable solution tested to over 2,500 mating cycles, MXMag Single-Port RJ45 Connectors are robust, high-reliability integrated magnetic jacks with an optional automated reflow-solder assembly to deliver additional cost advantages and increase production output

Features and Benefits

LED and EMI shield tab options

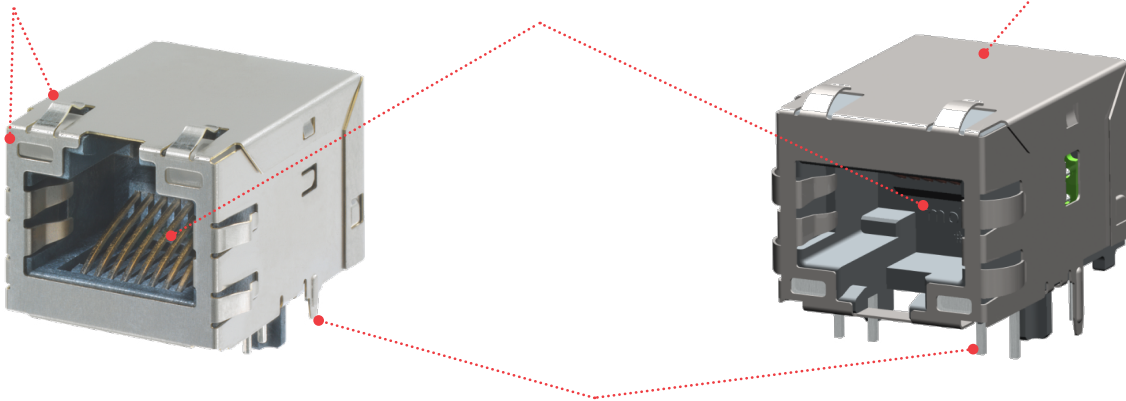
Meets demands for custom magnetics to match competitor and PHY vendor requirements. Meets the majority of right-angle through-hole magnetic jack connector requirements on the market

RJ45 interface with robust terminal design

Capable of 2,500 mating cycles. PdNi plating enhances environmental performance. Designed to mate with plugs that don't strictly meet the industry-standard IEC spec. Able to withstand higher-vibration environments

Addition of 25.4mm (1.00") depth magnetic jacks

Delivers a pick-and-place magnetic jack solution in a very commonly used footprint



Available in temperature ranges 0 to +70°C and -40 to +85°C

Suitable for a broad range of applications and environments

Reflow-solder compatible; pin-in-paste and automated pick-and-place options available

Provides high-speed assembly solution without compromising robust through-hole PCB connection

Multiple packaging options available

Tape and reel packaging for pick-and-place applications and tray packaging for standard assembly

Applications

Telecommunications/Networking

- Hubs
- Servers
- Printers

Industrial

- PLC Controllers
- Network Interfaces
- Motion Control
- Sensor Networks

Commercial

- Set-Top Boxes
- Point of Sale Terminals
- Internet of Things Applications

Infrastructure

- Access Points



Set-Top Box



Point of Sale (POS) Terminal



Access Points



Camera and Vision

MXMag Single-Port RJ45 Connectors



Specifications

REFERENCE INFORMATION

Packaging: Tray
 UL File No.: E355595
 Mates with: IEC 60603 / TIA-1096-A
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: Yes
 Glow Wire Compliant: No

ELECTRICAL

Voltage (max.): 125V
 Current (max.): 1.0A
 Contact Resistance: 10mΩ
 Dielectric Withstanding Voltage: 2.25kV DC

MECHANICAL

Contact Insertion Force: n/a
 Contact Retention to Housing: n/a
 Insertion Force to PCB: n/a
 Durability
 Mating cycles (min.): 2,500
 Vibration Test:
 Duration of discontinuity: 0.1 μsecond

PHYSICAL

Housing: LCP Black
 Contact: Copper Alloy
 Plating:
 Contact Area — Palladium Nickel with Gold Flash
 Solder Tail Area — Tin
 Underplating — Nickel
 PCB Thickness: Varied
 Operating Temperature:
 Commercial: 0 to 70°C
 Industrial: -40 to 85°C
 Environmental Exposure:
 (EIA-364-65 Class IIA) 10 years

Ordering Information

21.6mm (0.85") Inverted (Tab-Up)

Order No.	LEDs	Ethernet Speed	Reflow or Pick and Place Capable?	Operating Temp	Packaging
93745-3608	GRN/YLW-GRN/YLW	Gigabit	Yes	0°C to +70°C	Tray
93627-3601	GRN-GRN				Tray
93627-3608	GRN/YLW-GRN/YLW				Tray
93462-8320	No	Fast Ethernet	No	-40°C to +85°C	Tray
93637-8617	GRN-ORG/YLW	Gigabit			Tray
93627-8020	No				Tray
93635-8314	YLW/GRN-YLW/GRN	Fast Ethernet			Tray
93627-3606	GRN/YLW-GRN/YLW	Gigabit			Tray
93769-8628	GRN/YLW-GRN/YLW	Gigabit	Yes	-40°C to +85°C	T&R

21.6mm (0.85") Standard (Tab-Down)

Order No.	LEDs	Ethernet Speed	Reflow or Pick and Place Capable?	Operating Temp	Packaging
93626-3006	GRN-YLW	Gigabit	No	0°C to 70°C	Tray
93626-3508	GRN/YLW-GRN/YLW			0°C to 70°C	Tray
93626-8020	No			-40 to +85°C	Tray
93626-8520	No			-40 to +85°C	Tray
93634-3206	GRN-YLW	Fast Ethernet	Yes	0°C to 70°C	Tray
93634-8020	No			-40 to +85°C	Tray
93753-5320	No			-40 to +85°C	Tape and Reel

25.4mm (1.00") Inverted (Tab-Up)

Order No.	LEDs	Ethernet Speed	Reflow or Pick and Place Capable?	Operating Temp	Packaging
93628-3721	GRN-GRN	Gigabit	No	0 to +70°C	Tray
93628-3725	GRN-GRN/YLW		No	0 to +70°C	Tray
93755-5226	GRN-YLW	Fast Ethernet	Yes	-40 to +85°C	T&R
93767-5126	GRN-YLW		Yes (No Shield Springs)	-40 to +85°C	T&R
93767-8126	GRN-YLW		Yes	-40 to +85°C	T&R
93463-5206	GRN-YLW		Yes	-40 to +85°C	Tray
93463-3214	YLW-GRN		Yes	0 to +70°C	Tray

www.molex.com/link/mxmag.html