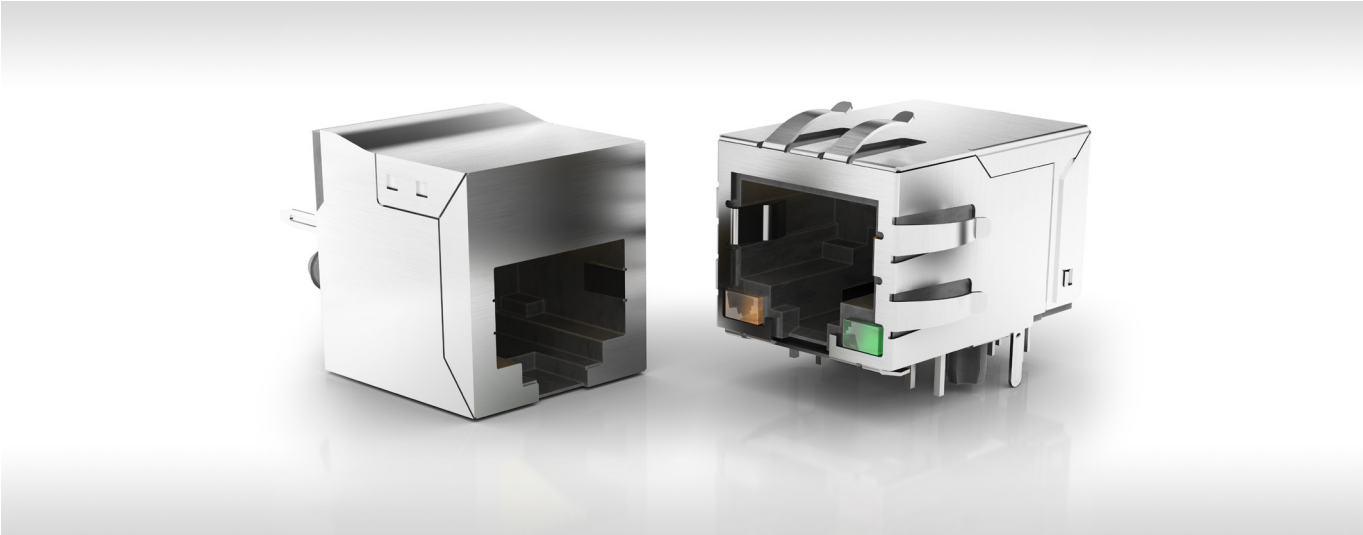
# Modular Jack

Selection Guide

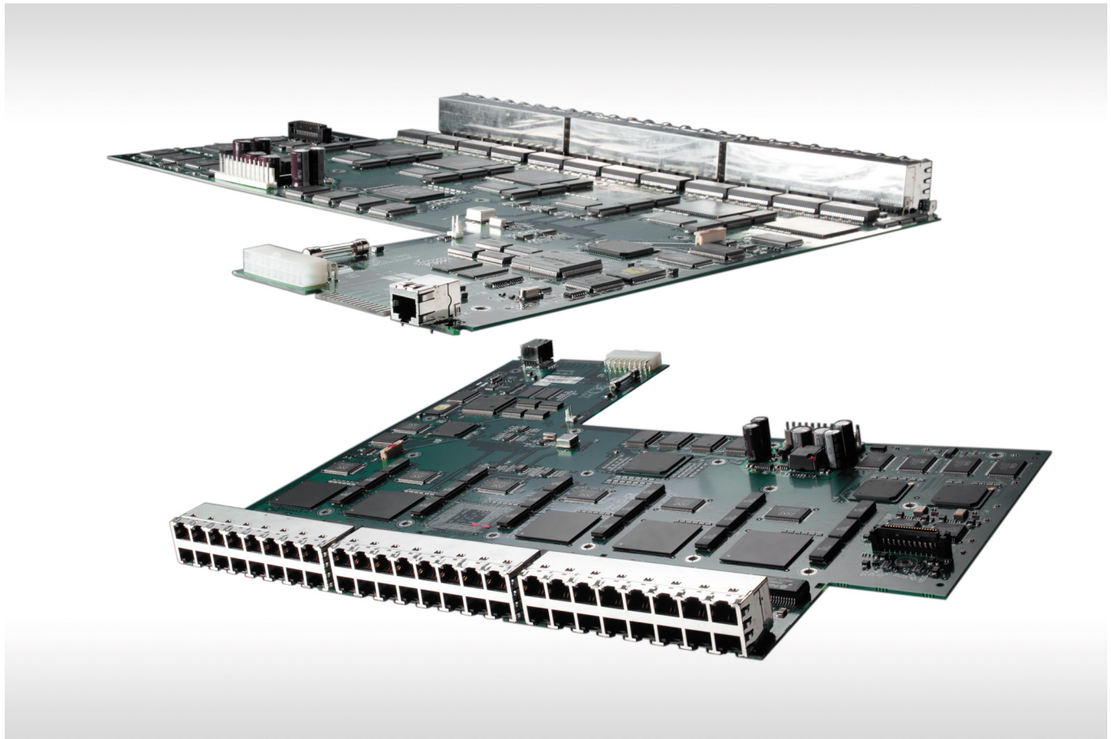


# MODULAR JACK - CONNECTORS

Modular Jack connectors, a cornerstone of communications technology, have been used in the communications and information industry for many years. The main reasons are the simplicity and reliability of these products. Whether integrated in a simple telephone system, or in a gigabit application, Modular Jack represent the standard for network connections.

Today's electronics system packages are getting smaller and smaller, while performance requirements continue to rise. As a result, applications that use Modular Jack with integrated magnetics are becoming more popular. When the magnetic components – otherwise found as discrete components on the circuit board – are integrated, this reduces both, interference sensitivity and board surface requirements. The filter elements are integrated without any changes to the size of the jack housing.

This guide is aimed to give orientation throughout ERNI's broad ModularJack product range and helps in finding the suitable solution for your application.





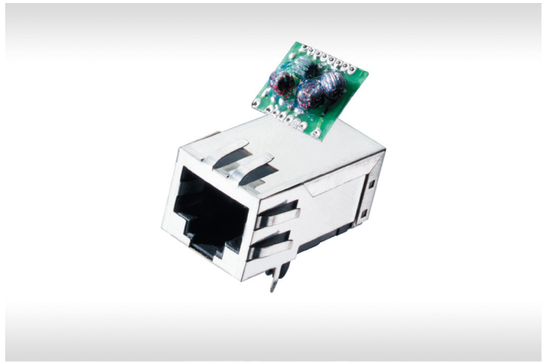
# SELECTION GUIDE

ERNI offers a large variety of standard Modular Jack RJ11/RJ45:

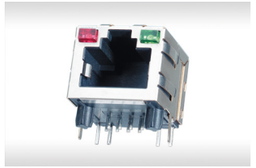
- Without integrated magnetics
- Single port
- Multi-port: stacked and ganged
- Right angled and vertical versions
- Low profile
- Couplers
- Through Hole Technology (THT)
- Through Hole Reflow (THR)
- Surface-Mounting Technology SMT
- CAT 3/4, 5, 5e
- LEDs

ERNI offers a large variety of Modular Jack with integrated magnetics:

- Single port
- Multi-port: ganged
- Right angled and vertical versions
- Low profile
- 10 BASE T
- 10/100 Mbit/s (Fast Ethernet)
- 10/100/1000 Mbit/s (Gigabit Ethernet)
- Power over Ethernet (PoE)
- Industrial Operating Temperature
- Lightning Protection GR-1089-Core
- THT
- LEDs



# SELECTION GUIDE
# STANDARD MODULAR JACK



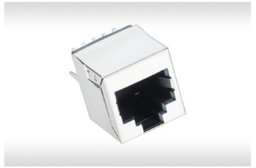
## Single Port - Right Angled, RJ45

| Part Number | Series | Ports | 10P10C | 8P8C | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | THR | SMT | CAT 3/4 | CAT 5 | CAT 5e | Tray | T&R | LED* | Tab-down | Tab-up | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133152 | MJR | 1x1 | | • | | | | | • | | | • | | | • | | | • | | • | • | • |
| 133155 | MJR | 1x1 | | • | | • | • | • | • | | | • | | | • | | | • | | • | • | • |
| 133160 | MJR | 1x1 | | • | • | • | • | | | | | | • | | • | | | | | • | | |
| 133165 | MJR | 1x1 | | • | • | • | | | • | | | | • | | • | | | • | | • | • | • |
| 133167 | MJR | 1x1 | | • | | • | • | • | • | | | | • | | • | | | • | | • | • | • |
| 133268 | MJLS | 1x1 | | • | • | • | | • | • | | | • | | | • | | | • | | • | • | • |
| 133271 | MJLS | 1x1 | | • | • | • | • | | • | | | | | | • | | | • | | • | • | • |
| 133288 | MJLS | 1x1 | | • | • | • | • | • | | | • | • | | | • | | | • | | • | • | • |
| 133489 | MJLS | 1x1 | | • | • | • | • | • | | | • | • | | | • | | | • | | • | • | • |
| 133611 | MJLS | 1x1 | | • | • | • | | • | | | • | • | | | • | | | • | | • | • | • |
| 133936 | MJLS | 1x1 | | • | • | • | • | • | | | • | • | | | | • | | • | | • | • | • |
| 203422 | MJLS | 1x1 | | • | • | • | • | • | | | • | • | | | | • | | • | | • | • | • |
| 203490 | MJLS | 1x1 | | • | • | • | | • | | | • | • | | | | • | | • | | • | • | • |
| 203495 | MJLS | 1x1 | | • | • | • | | | | | • | • | | | | • | | • | | • | • | • |
| 203441 | MJLS | 1x1 | | • | • | • | • | | | | • | | | | | • | | • | | • | • | • |
| 323452 | MJHS | 1x1 | | • | • | • | • | | • | | | • | | | | | | • | | • | | |
| 203538 | MJE | 1x1 | | • | | • | • | | • | | | | | | • | | g-o | | • | • | • | • |
| 203537 | MJE | 1x1 | | • | | • | • | | • | | | | | | • | | r-g | | • | • | • | • |
| 203535 | MJE | 1x1 | | • | | • | • | | • | | | | | | • | | y-y | | • | • | • | • |
| 203534 | MJE | 1x1 | | • | | • | • | | • | | | | | | • | | g-g | | • | • | • | • |
| 203533 | MJE | 1x1 | | • | | • | • | | • | | | | | | • | | g-y | | • | • | • | • |
| 203532 | MJE | 1x1 | | • | | • | • | | • | | | | | | • | | y-g | | • | • | • | • |
| 203530 | MJE | 1x1 | | • | | | • | | • | | | | | | • | | | | • | • | • | • |

*LED colors: Y = yellow / G = green / O = orange / R = red



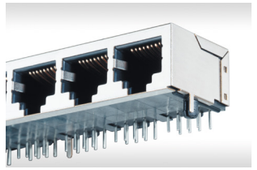
# SELECTION GUIDE
# STANDARD MODULAR JACK



## Single Port - Vertical, RJ45

| Part Number | Series | Ports | 10P10C | 8P8C | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | SMT | CAT 3/4 | CAT 5 | CAT 5e | Tray | T&R | LED | Tab-down | Tab-up | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133183 | MJV | 1x1 | | • | | • | | • | • | | • | | | • | | | n/a | n/a | | • | • |
| 133184 | MJV | 1x1 | | • | | • | | • | • | | | • | | • | | | n/a | n/a | | • | • |
| 133188 | MJV | 1x1 | • | | | • | | • | • | | • | | | • | | | n/a | n/a | | • | • |
| 133819 | MJHS | 1x1 | | • | • | • | | | • | | | • | | | | | | | • | • | • |
| 203512 | MJHS | 1x1 | | • | • | • | | | • | | | • | | | | | | | • | • | • |
| 225128 | MJT | 1x1 | | • | | | | | • | | | | | • | | | | | • | | |

# SELECTION GUIDE
# STANDARD MODULAR JACK

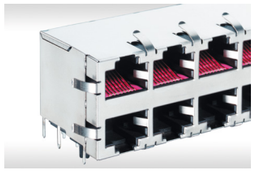


## Multi Port - Right Angled Ganged, RJ45

| Part Number | Series | Ports | 10P10C | 8P8C | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | SMT | CAT 3/4 | CAT 5 | CAT 5e | Tray | T&R | LED | Tab-down | Tab-up | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133208 | MJR | 1x2 | | • | | • | • | • | • | | • | | | • | | | • | | • | • | • |
| 133209 | MJR | 1x4 | | • | | • | • | • | • | | • | | | • | | | • | | • | • | • |
| 133215 | MJR | 1x8 | | • | | • | • | • | • | | • | | | • | | | • | | • | • | • |
| 133216 | MJR | 1x8 | | • | | • | • | • | • | | • | | | • | | | • | | • | • | • |
| 133222 | MJR | 1x6 | | • | | • | • | • | • | | | • | | • | | | • | | • | • | • |
| 133225 | MJR | 1x8 | | • | | • | • | • | • | | | • | | • | | | • | | • | • | • |
| 133539 | MJR | 1x8 | | • | | • | • | • | • | | | • | | • | | | • | | • | • | • |
| 133616 | MJR | 1x8 | | • | | • | • | • | • | | | | • | • | | | • | | • | • | • |
| 133618 | MJR | 1x8 | | • | | • | • | • | • | | • | | | • | | | • | | • | • | • |
| 133726 | MJR | 1x4 | | • | | • | • | • | • | | | • | | • | | | • | | • | • | • |
| 133787 | MJR | 1x8 | | • | | • | • | • | • | | | • | | • | | | • | | • | • | • |
| 133919 | MJR | 1x4 | | • | | • | • | • | • | | | • | | • | | | • | | • | • | • |
| 133920 | MJR | 1x8 | | • | | • | • | • | • | | | • | | • | | | • | | • | • | • |
| 133921 | MJR | 1x2 | | • | | • | • | • | • | | | • | | • | | | • | | • | • | • |
| 203492 | MJR | 1x2 | | • | | • | • | • | • | | | • | | • | | | • | | • | • | • |

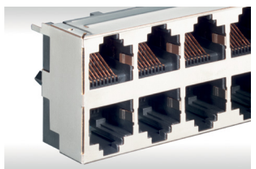


# SELECTION GUIDE
# STANDARD MODULAR JACK



## Multi Port - Right Angled Stacked RJ45

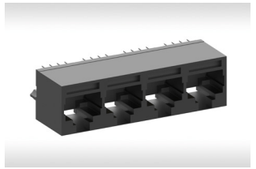
| Part Number | Series | Ports | 10P10C | 8P8C | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | SMT | CAT 3/4 | CAT 5 | CAT 5e | Tray | T&R | LED | Tab-down | Tab-up | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133027 | MJD | 2x6 | | • | | • | | • | • | | | • | | • | | | • | • | • | • | • |
| 133037 | MJD | 2x8 | | • | | • | | • | • | | | • | | • | | | • | • | • | • | • |
| 133039 | MJD | 2x1 | | • | | • | • | • | • | | | • | | • | | | • | • | • | • | • |
| 133041 | MJD | 2x2 | | • | | • | • | • | • | | | • | | • | | | • | • | • | • | • |
| 133044 | MJD | 2x4 | | • | | • | | • | • | | | • | | • | | | • | • | • | • | • |
| 133051 | MJD | 2x1 | | • | | • | | • | • | | | • | | • | | | • | • | • | • | • |
| 133053 | MJD | 2x3 | | • | | • | | • | • | | | • | | • | | | • | • | • | • | • |
| 133054 | MJD | 2x3 | | • | | • | • | • | • | | | • | | • | | | • | • | • | • | • |
| 133080 | MJD | 2x8 | | • | | • | • | • | • | | | • | | • | | | • | • | • | • | • |
| 133084 | MJD | 2x8 | | | • | • | | | | | | • | | | | | | | • | | |
| 133673 | MJD | 2x3 | | • | | • | | • | • | | | | • | • | | | • | • | • | • | • |
| 203517 | MJD | 2x1 | | • | • | • | • | | • | | | | • | • | | | • | • | • | • | • |



## Multi Port - Vertical Stacked, RJ45

| Part Number | Series | Ports | 10P10C | 8P8C | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | SMT | CAT 3/4 | CAT 5 | CAT 5e | Tray | T&R | LED | Tab-down | Tab-up | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133190 | MJV | 2x4 | | • | | • | | • | • | | | | • | | | | n/a | n/a | • | • | • |

# SELECTION GUIDE
# STANDARD MODULAR JACK

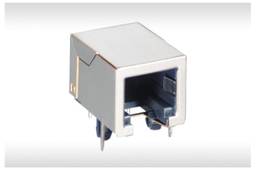


## Multi Port - Vertical Ganged, RJ45

| Part Number | Series | Ports | 10P10C | 8P8C | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | SMT | CAT 3/4 | CAT 5 | CAT 5e | Tray | T&R | LED | Tab-down | Tab-up | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133181 | MJV | 1x4 | | • | • | | • | | • | | • | | | • | | | | | • | • | • |
| 203539 | MJV | 1x4 | | • | • | • | • | | • | | • | | | • | | | | | • | • | • |
| 203542 | MJV | 1x4 | | • | • | • | | | • | | • | | | • | | | | | • | • | • |



# SELECTION GUIDE
# STANDARD MODULAR JACK



## Single Port - Right Angled, RJ11

| Part Number | Series | Ports | 6P6C | 6P4C | 6P2C | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | SMT | CAT 3/4 | CAT 5 | CAT 5e | Tray | T&R | LED* | Tab-down | Tab-up | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133147 | MJR | 1x1 | | | • | | | | | • | | • | | | • | | | • | • | • | • | • |
| 133719 | MJLS | 1x1 | • | | | • | • | • | • | | • | • | | | • | | | • | | • | • | • |

## Single Port - Vertical, RJ11

| Part Number | Series | Ports | 6P6C | 6P4C | 6P2C | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | SMT | CAT 3/4 | CAT 5 | CAT 5e | Tray | T&R | LED* | Tab-down | Tab-up | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225127 | MJT | 1x1 | | | • | | | | | • | | • | | | | | | | | • | | |

## Modular Coupler - RJ11 and RJ45

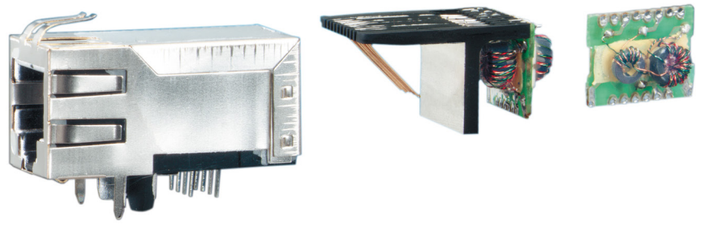
| Part Number | Series | Ports | 8P8C (RJ45) | 6P6C (RJ11) | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | SMT | CAT 3/4 | CAT 5 | CAT 5e | Tray | T&R | LED* | Tab-down | Tab-up | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133414 | MJC | | • | | | | | | | | • | | | | | | | | • | • | • |
| 133421 | MJC | | • | | | • | | | | | • | | | | | | | | • | • | • |
| 133513 | MJC | | • | | | • | | | | | | • | | | | | | | • | • | • |

# MODULAR JACK - WITH INTEGRATED MAGNETICS

ERNI offers integrated magnetic RJ45 connectors for applications of different data rates, such as 10 Mbit/s, 10/100 Mbit/s (Fast Ethernet) and 10/100/1000 Mbit/s (Gigabit Ethernet). For example, Gigabit modular connectors are designed to accommodate today's demand for high-speed communication applications. Typical applications are telecom/ datacom equipment, data storage, personal computers, network printers and peripheral equipment. For industrial use high operating temperature Modular Jack are available to serve the requirements of extended operating temperature (-40°C to +85°C) like in automations systems or test equipment.

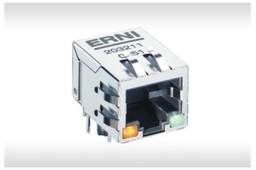
These filtered connectors provide signal conditioning and increase emissions performance. By integrating into the connector, magnetic filtering components – which are usually found as discrete surface mount components on a PCB – increase PCB space and reduce manufacturing processes. ERNI Modular Jack with integrated magnetics are specifically designed to be drop-in replacements for traditional modular Jack.

Integrated magnetic packages are designed to meet FCC and IEEE 802.3 requirements for performance and voltage isolation. Variable sizes and magnetic configurations allow for a wide variety of applications. ERNI Modular Jack are available in standard PCB layouts and come in single and ganged port versions..





# SELECTION GUIDE WITH INTEGRATED MAGNETICS



## Single Port - Right Angled with Integrated Magnetics

| Part Number | Magnetics Code | 10 Mbit/s | 10/100 Mbit/s | 10/100 Mbit/s Power over Ethernet | 10/100 Mbit/s High Operating Temp. | 10/100 Mbit/s Lightning Protection | 10/100/1000 Mbit/s | Ports | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | LED* | Tab-down | Tab-up | Tube | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203150 | M2A01 | • | | | | | | 1x1 | | • | • | • | • | | • | | • | • | | • |
| 203176 | M6A01 | | | • | | | | 1x1 | | • | • | • | • | | • | | • | • | | • |
| 203189 | M5B01 | | | | | | • | 1x1 | | • | • | • | • | | • | | • | • | | • |
| 203191 | M3D01 | | • | | | | | 1x1 | | • | | • | • | Y-G | • | | • | • | | • |
| 203198 | M3D01 | | • | | | | | 1x1 | | • | • | • | • | Y-G | • | | • | • | | • |
| 203199 | M3D01 | | • | | | | | 1x1 | | • | • | • | • | G-Y | • | | • | • | | • |
| 203201 | M3D01 | | • | | | | | 1x1 | | • | • | • | • | R-G | • | | • | • | | • |
| 203202 | M3D01 | | • | | | | | 1x1 | | • | • | • | • | Y-Y | • | | • | • | | • |
| 203211 | M5B01 | | | | | | • | 1x1 | | • | • | • | • | Y-G | • | | • | • | | • |
| 203212 | M5B01 | | | | | | • | 1x1 | | • | • | • | • | G-Y | • | | • | • | | • |
| 203213 | M5B01 | | | | | | • | 1x1 | | • | • | • | • | G-G | • | | • | • | | • |
| 203214 | M5B01 | | | | | | • | 1x1 | | • | • | • | • | Y-Y | • | | • | • | | • |
| 203215 | M5B01 | | | | | | • | 1x1 | | • | • | • | • | O/G-O/G | • | | • | • | | • |
| 203225 | M5B02 | | | | | | • | 1x1 | | • | • | • | • | G-Y | • | | • | • | | • |
| 203226 | M5B02 | | | | | | • | 1x1 | | • | • | • | • | G-G | • | | • | • | | • |
| 203227 | M5B02 | | | | | | • | 1x1 | | • | • | • | • | Y-Y | • | | • | • | | • |
| 203267 | M5A01 | | | | | | • | 1x1 | | • | • | • | • | | • | | • | • | | • |
| 203278 | M3D01 | | • | | | | | 1x1 | | • | • | • | • | G-G | • | | • | • | | • |
| 203281 | M3D01 | | • | | | | | 1x1 | | • | | • | • | | • | | • | • | | • |
| 203290 | H3D01 | | | | • | | | 1x1 | | • | • | • | • | G-G | • | | • | • | | • |
| 203292 | M3D01 | | • | | | | | 1x1 | | | | | • | G-Y | • | | • | • | | • |
| 203318 | M6A01 | | | • | | | | 1x1 | | • | • | • | • | Y-G | • | | • | • | | • |
| 203319 | M6A01 | | | • | | | | 1x1 | | • | • | • | • | G-Y | • | | • | • | | • |
| 203320 | M6A01 | | | • | | | | 1x1 | | • | • | • | • | G-G | • | | • | • | | • |
| 203322 | M6A01 | | | • | | | | 1x1 | | • | • | • | • | O/G-O/G | • | | • | • | | • |
| 203333 | T3D01 | | | | | • | | 1x1 | | • | • | • | • | O/G-O/G | • | | • | • | | • |
| 203349 | M5B01 | | | | | | • | 1x1 | | • | • | • | • | G-Y | | • | • | • | | • |
| 203352 | M5B01 | | | | | | • | 1x1 | | • | • | • | • | O/G-O/G | | • | • | • | | • |
| 203354 | M3D01 | | • | | | | | 1x1 | | • | • | • | • | Y-G | | • | • | • | | • |

*LED colors: Y = yellow / G = green / O = orange / R = red

# SELECTION GUIDE
# WITH INTEGRATED MAGNETICS

## Single Port - Right Angled with Integrated Magnetics

| Part Number | Magnetics Code | 10 Mbit/s | 10/100 Mbit/s | 10/100 Mbit/s Power over Ethernet | 10/100 Mbit/s High Operating Temp. | 10/100 Mbit/s Lightning Protection | 10/100/1000 Mbit/s | Ports | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | LED* | Tab-down | Tab-up | Tube | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203355 | M3D01 | | • | | | | | 1x1 | | • | • | • | • | G-Y | | • | • | • | | • |
| 203356 | M3D01 | | • | | | | | 1x1 | | • | • | • | • | G-G | | • | • | • | | • |
| 203358 | M3D01 | | • | | | | | 1x1 | | • | • | • | • | O/G-O/G | | • | • | • | | • |
| 203503 | M5C03 | | | | • | | | 1x1 | | • | • | • | • | | • | | • | • | | • |
| 203389 | MJIMR | | | | | | | 1x1 | | • | • | | • | y-g | | • | | • | • | • |
| 203392 | | | | | | | | 1x1 | | • | • | | • | | | | | • | | |
| 203416 | MJIM | | | | | | | 1x1 | | • | • | | • | g-y | • | | | • | • | • |
| 203420 | MJIMR | | | | | | | 1x1 | | • | • | | • | g-g | | • | | • | • | • |
| 203475 | MJIM | | | | | | | 1x1 | | | • | | • | y-g | • | | | • | • | • |
| 203526 | MJIM | | | | | | | 1x1 | | • | • | | • | | • | | | • | • | • |
| 203521 | MJIM | | | | | | | 1x1 | | • | • | | • | g-r | | • | | • | • | • |
| 203546 | MJIM | | | | | | | 1x1 | | • | • | | • | | • | | | • | • | • |

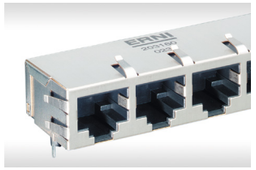
## Single Port - Vertical with Integrated Magnetics

| Part Number | Magnetics Code | 10 Mbit/s | 10/100 Mbit/s | 10/100 Mbit/s Power over Ethernet | 10/100 Mbit/s High Operating Temp. | 10/100 Mbit/s Lightning Protection | 10/100/1000 Mbit/s | Ports | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | LED* | Tab-down | Tab-up | Tube | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203412 | MJIMV | | | | | | | 1x1 | | • | | | • | y-g | | | | • | • | • |
| 203323 | M3D01 | | • | | | | | 1x1 | | • | | • | • | Y-G | n/a | n/a | • | • | | • |
| 203324 | M3D01 | | • | | | | | 1x1 | | • | | • | • | G-Y | n/a | n/a | • | • | | • |
| 203325 | M3D01 | | • | | | | | 1x1 | | • | | • | • | G-G | n/a | n/a | • | • | | • |
| 203342 | M5B01 | | | | | | • | 1x1 | | • | | • | • | Y-G | n/a | n/a | • | • | | • |
| 203343 | M5B01 | | | | | | • | 1x1 | | • | | • | • | G-Y | n/a | n/a | • | • | | • |
| 203344 | M5B01 | | | | | | • | 1x1 | | • | | • | • | G-G | n/a | n/a | • | • | | • |
| 203346 | M5B01 | | | | | | • | 1x1 | | • | | • | • | O/G-O/G | n/a | n/a | • | • | | • |
| 203497 | M3F01 | | • | | | | | 1x1 | | • | | • | • | Y-G | n/a | n/a | • | • | | • |
| 203501 | H3D02 | | | | • | | | 1x1 | | • | | • | • | | n/a | n/a | • | • | | • |

*LED colors: Y = yellow / G = green / O = orange / R = red



# SELECTION GUIDE
# WITH INTEGRATED MAGNETICS



## Multi Port - Right Angled Ganged with Integrated Magnetics

| Part Number | Magnetics Code | 10 Mbit/s | 10/100 Mbit/s | 10/100 Mbit/s Power over Ethernet | 10/100 Mbit/s High Operating Temp. | 10/100 Mbit/s Lightning Protection | 10/100/1000 Mbit/s | Ports | Low Profile | Shielded | Panel Flanges | Grounding Pins | THT | LED* | Tab-down | Tab-up | Tube | RoHS | 3D Model | 2D Drawing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203153 | M2A01 | • | | | | | | 1x2 | | • | • | • | • | | • | | • | • | | • |
| 203157 | M2A01 | • | | | | | | 1x4 | | • | • | • | • | | • | | • | • | | • |
| 203160 | M3D01 | | • | | | | | 1x4 | | • | • | • | • | | • | | • | • | | • |
| 203184 | M5B01 | | | | | | • | 1x2 | | • | • | • | • | | • | | • | • | | • |
| 203185 | M5B01 | | | | | | • | 1x4 | | • | • | • | • | | • | | • | • | | • |
| 203218 | M5B02 | | | | | | • | 1x2 | | • | • | • | • | | • | | • | • | | • |
| 203299 | M3D01 | | • | | | | | 1x4 | | • | • | • | • | O/G-O/G | • | | • | • | | • |
| 203301 | M5B01 | | | | | | • | 1x4 | | • | • | • | • | Y-G | • | | • | • | | • |
| 203302 | M5B01 | | | | | | • | 1x4 | | • | • | • | • | G-G | • | | • | • | | • |
| 203303 | M5B01 | | | | | | • | 1x4 | | • | • | • | • | G-R | • | | • | • | | • |
| 203306 | M5B01 | | | | | | • | 1x2 | | • | • | • | • | Y-G | • | | • | • | | • |
| 203312 | M3D01 | | • | | | | | 1x2 | | • | • | • | • | Y-G | • | | • | • | | • |
| 203313 | M3D01 | | • | | | | | 1x2 | | • | • | • | • | G-Y | • | | • | • | | • |
| 203314 | M3D01 | | • | | | | | 1x2 | | • | • | • | • | G-G | • | | • | • | | • |
| 203177 | MJIM | | | | | | | 1x2 | | • | • | | • | | • | | • | | | |
| 203308 | MJIM | | | | | | | 1x2 | | | • | | | G-G | • | | | • | • | • |
| 203340 | MJIM | | | | | | | 1x4 | | • | • | | • | G-G | • | | • | | | |
| 203544 | MJIM | | | | | | | 1x2 | | • | • | • | • | G-Y | • | | | • | • | • |

*LED colors: Y = yellow / G = green / O = orange / R = red

## Excellent solutions for many applications

ERNI Modular Jack with integrated magnetics are compatible with common PHYs of well-known manufacturers.

In addition to recommendations of your chipset manufacturer a reference matrix to select the appropriate magnetics circuit is available on ERNI website.
If the exact requirement for your application is not shown, please contact your ERNI representative.

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