



INDUSTRIAL RJ45 MODULAR JACKS

TE Connectivity's (TE) RJ45 family of modular jacks without magnetics complements the portfolio of RJ45 connectors by adding an entry level set of products that can be used together with our discrete magnetics line. The latest jack comply with IEC 60603-7-1 and IEC 60603-7-3 standards, supports industrial temperature range and are available in 10/100 Mbps and 1 Gbps speed rates, variances 1x1, 1x2 and 2x1 with and without LED. These connectors support through hole technology (THT) with reflow soldering capabilities.

BENEFITS

- Reliability and cost savings with durability and long lifetime of connector
- TE's products are reflow solderable, according to JEDEC J-STD-020D standard
- Extended temperature range addresses industrial equipment requirements where standard temperature (0°C - 70°C) range is limited

APPLICATIONS

- Wide range of industrial equipment with RJ45 connectivity
- Industrial applications requiring Ethernet
- Automation control
- Robotics
- Machinery
- Motors/Motor controls

FEATURES

- Suited for industrial equipment requirements
- Extended temperature range -40°C to +85°C
- Reflow pin in paste soldering

Industrial RJ45 Modular Jacks

MECHANICAL

- Extended temperature range -40°C to +85°C
- Up to 750 mating & unmating cycles

MATERIALS

- Housing material: high grade LCP (liquid crystal polymer material)
- UL flammability rating: UL 94V-0
- Contact plating: selective gold over nickel - plating thickness 0,76 µm [30 µinch] gold over 1,27 µm [50 µinch] nickel

PRODUCT COMPLIANCE

- UL recognized
- RoHS compliant
- REACH compliant

ELECTRICAL

- Voltage rating: 150 VAC max
- Current rating: 1.4 A max
- Dielectric Withstanding Voltage: 1000VAC (between adjacent contacts)
1500VAC (between cable side and outer shield)

STANDARDS & SPECIFICATIONS

- IEC 60603-7-1:2011
- IEC 60603-7-3:2010
- Product specification: 108-94945
- Application specification: 114-97854

PART NUMBER LIST

TE PN	Description	Speed	Ports*	Orientation	Latch	LED	LED Colour	EMI Spring	Packaging	Pin Length [mm]
2501551-6	RJ45 JACK THR 10/100 R/A 1X1	10/100	1x1	R/A	Up	No	-	No	T&R	2.54
2501551-7	RJ45 JACK THR 10/100 R/A 1X1	10/100	1x1	R/A	Up	No	-	Yes	T&R	2.54
5-2501551-6	RJ45 JACK THR 10/100 R/A 1X1	10/100	1x1	R/A	Up	No	-	No	Tray	2.54
5-2501551-7	RJ45 JACK THR 10/100 R/A 1X1	10/100	1x1	R/A	Up	No	-	Yes	Tray	2.54
2501551-8	RJ45 JACK THR 10/100 R/A LED 1X1	10/100	1x1	R/A	Up	Yes	Bi-colour Green/Yellow	No	T&R	2.54
2501551-9	RJ45 JACK THR 10/100 R/A LED 1X1	10/100	1x1	R/A	Up	Yes	Bi-colour Green/Yellow	Yes	T&R	2.54
5-2501551-8	RJ45 JACK THR 10/100 R/A LED 1X1	10/100	1x1	R/A	Up	Yes	Bi-colour Green/Yellow	No	Tray	2.54
5-2501551-9	RJ45 JACK THR 10/100 R/A LED 1X1	10/100	1x1	R/A	Up	Yes	Bi-colour Green/Yellow	Yes	Tray	2.54

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TE PN	Description	Speed	Ports*	Orientation	Latch	LED	LED Colour	EMI Spring	Packaging	Pin Length [mm]
<u>2501552-9</u>	RJ45 JACK THR 10/100 VERT. LED 1X1	10/100	1x1	Vertical	N/A	Yes	Bi-colour Green/Yellow	No	Tray	2.54
<u>2501553-1</u>	RJ45 JACK THR 10/100 VERT. 1X1	10/100	1x1	Vertical	N/A	No	-	No	Tray	2.54
<u>2501552-1</u>	RJ45 JACK THR 10/100 R/A 1X2	10/100	1x2	R/A	Up	No	-	No	Tray	2.54
<u>2501552-2</u>	RJ45 JACK THR 10/100 R/A 1X2	10/100	1x2	R/A	Up	No	-	Yes	Tray	2.54
<u>2501552-3</u>	RJ45 JACK THR 10/100 R/A LED 1X2	10/100	1x2	R/A	Up	Yes	Bi-colour Green/Yellow	No	Tray	2.54
<u>2501552-4</u>	RJ45 JACK THR 10/100 R/A LED 1X2	10/100	1x2	R/A	Up	Yes	Bi-colour Green/Yellow	Yes	Tray	2.54
<u>2501552-5</u>	RJ45 JACK THR 10/100 R/A LED 2X1	10/100	2x1	R/A	Up+Down	Yes	Bi-colour Green/Yellow	No	Tray	2.54
<u>2501552-6</u>	RJ45 JACK THR 10/100 R/A LED 2X1	10/100	2x1	R/A	Up+Down	Yes	Bi-colour Green/Yellow	Yes	Tray	2.54
<u>2501552-7</u>	RJ45 JACK THR 10/100 R/A 2X1	10/100	2x1	R/A	Up+Down	No	-	No	Tray	2.54
<u>2501552-8</u>	RJ45 JACK THR 10/100 R/A 2X1	10/100	2x1	R/A	Up+Down	No	-	Yes	Tray	2.54
<u>2501550-1</u>	RJ45 JACK THR 1Gb R/A 1X1	1G	1x1	R/A	Up	No	-	No	T&R	2.54
<u>2501550-2</u>	RJ45 JACK THR 1Gb R/A 1X1	1G	1x1	R/A	Up	No	-	Yes	T&R	2.54
<u>5-2501550-1</u>	RJ45 JACK THR 1Gb R/A 1X1	1G	1x1	R/A	Up	No	-	No	Tray	2.54

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TE PN	Description	Speed	Ports*	Orientation	Latch	LED	LED Colour	EMI Spring	Packaging	Pin Length [mm]
5-2501550-2	RJ45 JACK THR 1Gb R/A 1X1	1G	1x1	R/A	Up	No	-	Yes	Tray	2.54
2501550-3	RJ45 JACK THR 1Gb R/A LED 1X1	1G	1x1	R/A	Up	Yes	Bi-colour Green/Yellow	No	T&R	2.54
2501550-4	RJ45 JACK THR 1Gb R/A LED 1X1	1G	1x1	R/A	Up	Yes	Bi-colour Green/Yellow	Yes	T&R	2.54
5-2501550-3	RJ45 JACK THR 1Gb R/A LED 1X1	1G	1x1	R/A	Up	Yes	Bi-colour Green/Yellow	No	Tray	2.54
5-2501550-4	RJ45 JACK THR 1Gb R/A LED 1X1	1G	1x1	R/A	Up	Yes	Bi-colour Green/Yellow	Yes	Tray	2.54
2501551-4	RJ45 JACK THR 1Gb VERT. LED 1X1	1G	1x1	Vertical	N/A	Yes	Bi-colour Green/Yellow	No	Tray	2.54
2501551-5	RJ45 JACK THR 1Gb VERT. 1X1	1G	1x1	Vertical	N/A	No	-	No	Tray	2.54
2501550-5	RJ45 JACK THR 1Gb R/A 1X2	1G	1x2	R/A	Up	No	-	No	Tray	2.54
2501550-6	RJ45 JACK THR 1Gb R/A 1X2	1G	1x2	R/A	Up	No	-	Yes	Tray	2.54
2501550-7	RJ45 JACK THR 1Gb R/A LED 1X2	1G	1x2	R/A	Up	Yes	Bi-colour Green/Yellow	No	Tray	2.54
2501550-8	RJ45 JACK THR 1Gb R/A LED 1X2	1G	1x2	R/A	Up	Yes	Bi-colour Green/Yellow	Yes	Tray	2.54
2501551-1	RJ45 JACK THR 1Gb R/A LED 2X1	1G	2x1	R/A	Up+Down	Yes	Bi-colour Green/Yellow	Yes	Tray	2.54
2501551-2	RJ45 JACK THR 1Gb R/A 2X1	1G	2x1	R/A	Up+Down	No	-	No	Tray	2.54

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TE PN	Description	Speed	Ports*	Orientation	Latch	LED	LED Colour	EMI Spring	Packaging	Pin Length [mm]
2501551-3	RJ45 JACK THR 1Gb R/A 2X1	1G	2x1	R/A	Up+Down	No	-	Yes	Tray	2.54
2501550-9	RJ45 JACK THR 1Gb R/A LED 2X1	1G	2x1	R/A	Up+Down	Yes	Bi-colour Green/Yellow	No	Tray	2.54

* 1x2 (Ganged) - 2x1 (Stacked)
For additional features or requests, please reach out to your TE sales representative or our customer care specialists.

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