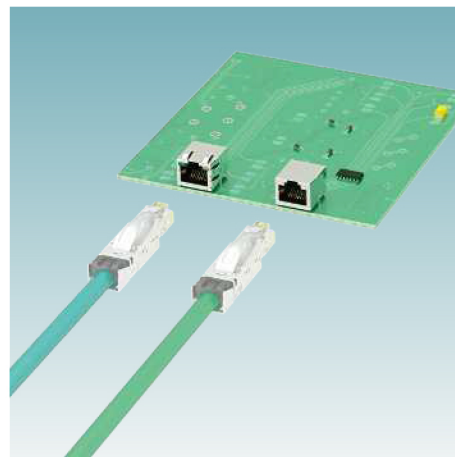# Industrial RJ45 sockets for PCB mounting
For high-performance data transmission

Device connectors of the RJ45 INDUSTRIAL series enable data rates of up to 10 Gbps in demanding industrial Ethernet applications. The robust design provides high mechanical stability on the printed circuit board as well as outstanding ESD and EMC properties.

Your advantages

- ☑ Ideal for demanding Ethernet applications
- ☑ Particularly vibration-resistant for use in industrial environments
- ☑ Interference-free data transmission with high resistance to ESD and EMI
- ☑ Tray packing for processing in automated reflow processes
- ☑ Compact design with space-saving footprint

Main features
- Data rates up to 10 Gbps
- Integrated LED as a visual status indicator
- Operating temperature: -40°C ... +105°C
- For THR and wave soldering processes
- Tray packing
- Straight and angled versions with optional shield springs

New product for 2020

ℹ **Web code:** #2059

Description	Angled version with LEDs and shield springs	Angled version with shield springs	Straight version with LEDs	Straight version with shield springs
Version	90°, angled	90°, angled	180°, straight	180°, straight
LEDs	2 x hybrid (yellow/green)	No	2 x hybrid (yellow/green)	No
Shield springs	Yes	Yes	No	Yes
Type	CUC-IND-J1ST-A / R4LS-LED-PG	CUC-IND-J1ST-A / R4LS-PG	CUC-IND-J1ST-S / R4LS-LED	CUC-IND-J1ST-S / R4LS-PG
Order No.	1099281	1099280	1091947	1099279

RJ45 sockets for PCB mounting
Versatile solutions for data transmission

The new RJ45 device connectors round off the portfolio for copper-based data transmission. Different outlet directions, versions for SMD, THR, and wave soldering, and multi-ports provide the right solution for every application.

PROFI NET **Ethernet** **EtherCAT**

Your advantages

☑ Wide range of connection options for different device designs
☑ Space-saving multi-port sockets for compact device designs
☑ Save costs with automated processing options
☑ Suitable for high-performance, future-proof Ethernet applications

Main features
• Data rates up to 10 Gbps
• Integrated LED as a visual status indicator
• For SMD, THR, and wave soldering
• Tray and tape-on-reel packing
• Straight and angled versions

New product for 2020

ℹ **Web code:** #2341

Description	Angled single-port version	Straight single-port version with LEDs	Angled multi-port version with LEDs	Angled hybrid version with USB interface
Version	90°, angled	180°, straight	90°, angled	90°, angled
Number of ports	1	1	2	4
LEDs	No	2 x hybrid (yellow/green)	No	No
Soldering process	SMD	THR	THR	THR
Type	CUC-SP-J1ST-A/R4LT-SMD	CUC-SP-J1ST-S/R4LT-THR-LED	CUC-MP-J1ST-A/2R4LT-THR	CUC-MP-J1ST-A/4R4LB-THR
Order No.	1149882	1149871	1149858	1149849

Industrial RJ45 cable connectors
For data transmission in accordance with CAT6$_A$

The new cable connectors of the RJ45 INDUSTRIAL series enable data rates of up to 10 Gbps in demanding industrial Ethernet applications. The robust zinc die-cast housing in a one-piece design provides high EMC protection and can be assembled in the field easily without special tools.

PROFINET Ethernet EtherCAT. 10 Gbit/s

Your advantages

- ☑ Data transmission in accordance with CAT6$_A$: ideal for demanding Ethernet applications
- ☑ Particularly vibration-resistant for use in industrial environments
- ☑ Interference-free data transmission with high resistance to ESD and EMI
- ☑ One-piece design for easy handling and connection without special tools

Main features
- Data rates up to 10 Gbps in accordance with CAT6$_A$
- Conductor cross sections: AWG 22 ... AWG 26 (rigid and flexible)
- Cable diameters up to 9 mm
- With IDC fast connection
- Also available as push-pull ADVANCE connectors

New product for 2020

ℹ **Web code:** #2340

Description	RJ45 IP20	RJ45 IP20	Push-pull ADVANCE	Push-pull ADVANCE
Connection cross section	0.14 mm² ... 0.25 mm²	0.23 mm² ... 0.32 mm²	0.14 mm² ... 0.25 mm²	0.23 mm² ... 0.32 mm²
Connection cross section	AWG 26 ... AWG 24	AWG 23 ... AWG 22	AWG 26 ... AWG 24	AWG 23 ... AWG 22
Communication system	Ethernet	PROFINET/Ethernet	Ethernet	PROFINET/Ethernet
Type	CUC-IND-C1ZNI-S/ R4IE10G8	CUC-IND-C1ZNI-S/ R4IP10G8	CUC-V14-C1ZNI-S/ R4IE10G8	CUC-V14-C1ZNI-S/ R4IP10G8
Order No.	1149846	1149847	1149841	1149843