

FEATURES

- Shielded RJ45 female connector
- Panel mounting
- Single port
- Straight orientation
- Complies with standards ANSI/ESD S20.20:2014 and BS EN 61340-5-1:2007
- Adheres to RoHS (restriction of hazardous substances) standards

RS PRO, Female RJ45 Connector

RS Stock No.: 175-0143



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This RJ45 female connector from RS PRO is used to connect computers to Ethernet-based local area networks (LAN) for reliable transmissions in networking, industrial automation and telecommunications contexts.

The connector fits onto standard XLR 24-mm diameter cutout panels and comes pre-threaded for M3 screws, making rear and front panel-mounting simple. The low rear profile of this connector ensures it's easy to use where space is a constraint, such as in data centres. Its phosphor bronze contacts have gold over nickel plating to ensure durability and protect against rust and corrosion.

General Specifications

Ethernet Connector Type	RJ45 Connector
Gender	Female
Number of Ports	1
Number of Ways	1
Connector Type	RJ45
Orientation	Straight
Contact Material	Phosphor Bronze
Contact Plating	Gold plating over nickel plate
Flammability rating	UL94V0
Jack	3-50 micro gold plated
Housing	PC/ABS, UL 94V-0
PCB	FR4, UL 94V-0
Colour	Black
Applications	Wireless outdoor AP, Outdoor LED and display lighting, Marine, Machine automation, Military

Mechanical Specifications

Mounting Type	Panel Mount
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Approvals

Compliance/Certifications

RoHS (restriction of hazardous substances) standards, ANSI/ESD S20.20:2014 and BS EN 61340-5-1:2007



CLIFF

PANEL CUTOUT
MAXIMUM PANEL
THICKNESS 3mm

HOLES TO SUIT
SCREW USED

19.0

24.0

$\varnothing 24^{+0.2}$

14.5

24.5

5

PIN 1

PIN 8

CAT 5/5e

CLIFF

2 HOLES: $\varnothing 3.5\text{mm CSK } 82^\circ \times \varnothing 5.85$
M3 VERSION HAS M3 THREAD HOLES.

2.8

2.3

$\varnothing 24$

16

PIN 1

PIN 8

24

19

Material:

1. RJ45 In-Line Coupler: PC/ABS, UL 94V-0, Black colour
2. RJ45 In-Line Coupler Contact: Phosphor Bronze, 3-50 micro inches gold plating over nickel plate.
3. PCB: FR4, UL 94V-0
4. Frame: Black Nickel plated zinc diecast

Performance:

1. T568A & T568B wiring.
2. Meet ISO/IEC 11801 and EN50173
3. Meet ANSI/TIA/EIA 568B.2

ISS.	AMEND	DATE
1		14/12/15
2	1st DRAWN ADD M3 VARIANT	01/06/18

VARIANTS	
PART No.	HOLE DETAILS
CP30220MB	HOLE $\varnothing 3.50 \times \text{CSK } 82^\circ \times \varnothing 5.85$
CP30220M3B	M3 HOLES

RoHS COMPLIANT

TOLERANCE

NO DEC. PLACE \pm

1 DEC. PLACE \pm

2 DEC. PLACE \pm

HOLE $\varnothing \pm$

ANGLES \pm

UNLESS OTHERWISE STATED