RJ Series Coupler – RJE17

RJ45 COUPLERS

The Amphenol RJE17 panel-mount RJ45 Coupler line combines innovative design with an affordable price. With a solid die-cast metal mounting frame, these unique RJ45 coupler kits allow panel mounting in virtually any panel thickness. Designed to work with EIA/TIA 568A and B wiring, these RJ45 couplers provide a reliable way to pass high-speed data through a chassis or rack panel. RJ45 coupler options listed include Category 3, 5E, 6, and 6a performance ratings in both shielded and unshielded versions. RJ45 coupler kits include a snap-in coupler, mounting frame, and 4-40 machine screws.

These high-durability RJ45 connectors are geared for 750 mating cycles. These connectors promise enhanced durability and are also geared to withstand harsh environments with a wide temperature range from -55 °C to +85 °C.



TARGET MARKETS



FEATURES

- Ratings: CAT3, CAT5E, CAT6
- Tab Up / Down – RA
- Shielded / Unshielded / With and Without Frame
- EIA/TIA 568A/B compliant
- Available in multiple plating options

BENEFITS

- Customers can customize the selection as per the application
- With the modular structure, customers can achieve maximum flexibility with design
- Flange kit includes a snap-in coupler, mounting frame, and 4-40 machine screws
- Available with and without Wall Frame
- Economical pricing

TECHNICAL INFORMATION

MATERIAL

- Insulator: Engineering thermoplastic; Complies with UL 94 V–0, Black
- Contacts: Phosphor Bronze hard temper with Gold thickness options (6µin, 15 µin, 30 µin, 50 µin) over
- 50 µin min. Nickel on contact mating area. 100 µin min. matte Tin plating on soldering tail
- Shield: Copper Alloy, Nickel plated with Tin dipped tail or Stainless Steel with Tin dipped tail
- LED: Pure Tin plating on LED tails

ELECTRICAL PERFORMANCE

- Contact Resistance: 20 mΩ max.
- Insulation Resistance: 500 MΩ min. at 500 V DC for 2 minutes max.
- Voltage Rating: 125 V AC
- Dielectric Withstanding Voltage: 1000 V AC, 60 Hz, 1 minute

MECHANICAL PERFORMANCE

- Insertion Force: 20 N max.
- Pull Retention Force: 50 N min.
- Durability: 750 mating and unmating cycles

SPECIFICATION

- S6018C

APPROVALS AND CERTIFICATIONS

- RoHS
- REACH

PACKAGING

- Tray for individual connector
- Multiple trays in box packing

ENVIRONMENTAL

- Operating Temperature Range: –55 °C to +85 °C
- Recommended Storage Temperature: –20 °C to +25 °C

TARGET MARKETS/APPLICATIONS



5G Wireless
Telephones
Modems
Fax Machines
Copiers/Printers



Security Systems
Set Top Boxes
Video Game Systems
PCs
Laptops



Storage
Servers
Routers
Switches
Hubs



Uninterpretable Power Supply (UPS)
ATMs
Vending Machines
POS Terminals
Industrial IoT Platforms



Analysis Equipment
Mass Spectrometers

PART NUMBERS

Description	Part Numbers
RJ Coupler – CAT5 with Wall Frame Assembly, Gold Flash Plating	RJE172881121P
RJ Coupler – CAT5 with Wall Frame Assembly, 50µ" Gold Plating	RJE172881421P
RJ Coupler – CAT5E with Wall Frame Assembly, Gold Flash Plating	RJE172887113P
RJ Coupler – CAT5E with Wall Frame Assembly, 50µ" Gold Plating	RJE172887413P

Find part number details using the search box on www.amphenol-cs.com

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