

RJE23

Amphenol

Product Specification S6047C Rev 1.6

About Amphenol Commercial Products

Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.

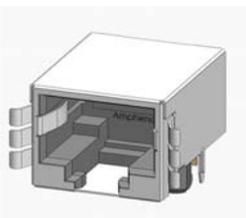
Related Products

RJSSE

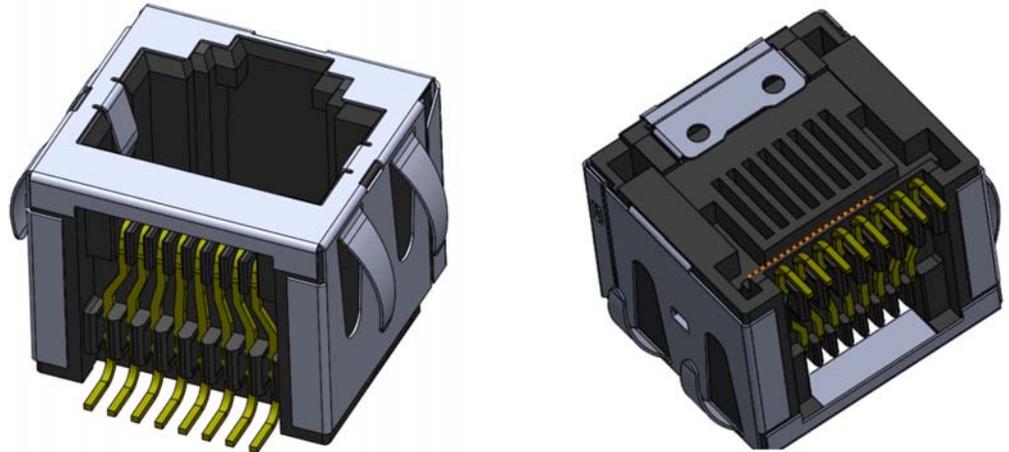


P/N RJSSE-5081 SHOWN
SINGLE PORT, 8 POSITION, WITH
SHIELD AND LIGHT PIPE

RJULE



P/N RJULE-4X182-01 SHOWN
SINGLE PORT REGULAR MOUNT,
STANDARD SHIELD WITH SMT



P/N RJE23-188-3X10 SHOWN
SMT SINGLE PORT, 8 POSITION,
TOP ENTRY, WITH SHIELD

OVERVIEW

This product specification defines the general use and performance parameters for Amphenol's RJE23 Top Entry, Surface Mount Modular Jack.

Availability: Single port connectors, 8 position, 6 position, 4 position, and the shielded shield version.

USAGE

The RJE23 Top Entry, Surface Mount Modular Jack supports Ethernet Protocols. Shielding provides increased EMI performance. With shield option to provide better EMI performance.

APPLICATIONS

Intended for use in applications such as:

Data

- Storage
- Servers
- Routers
- Switches
- Hubs

Consumer Goods

- Security Systems
- Set Top Boxes
- Video Game Systems
- PCs, Laptops
- Copiers, Printers

Industrial and Instrumentation

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

Networking & Telecom

- 5G Wireless
- Telephones
- Modems
- Fax Machines

Medical

- Analysis Equipment
- Mass Spectrometers

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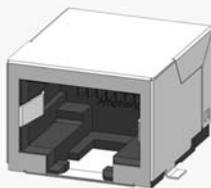
Related Products

FRJAE



P/N FRJAE-418 SHOWN SINGLE PORT, 8 POSITION, WITH FERRITE FILTER AND SHIELD (FRONT TABS)

RJLSE



P/N RJLSE-41181-01 SHOWN SINGLE PORT REGULAR MOUNT, STANDARD SHIELD WITH SMT

ELECTRICAL CHARACTERISTICS

Contact Resistance	20 mΩ maximum
Insulation Resistance	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating	1.5 Amps per contact
Voltage Rating	125 Volts AC
DWV	1000 VAC, 60 HZ. 1 min

Supports PoE, PoE+, and PoE++ per IEEE PoE standards
IP20 rated per IEC 60529

MECHANICAL CHARACTERISTICS

Mating Connector Insertion Force	5.0 lbs maximum
Mating Connector Pull Retention Force	20.0 lbs minimum
Durability	750 mating and unmating cycles for 50μ" gold plating
Recommended Soldering Temperature	Wave soldering peaked at 260°C for 5 seconds maximum
Operating Temperature	-40°C to +85°C

UL File # E136228
Connectors are suitable for IR Reflow.

MATERIAL REQUIREMENTS

RJE23 connectors are RoHS compliant,
Unless otherwise specified, the materials for each component shall be:

Insulator	High temperature thermoplastic, complies with UL 94V-0
Contacts	-Phosphor Bronze hard temper with gold thickness options (6μ", 15μ" 30μ", 50μ") over 50μ" minimum Nickel on contact mating area -100μ" minimum matte Tin over Nickel on soldering tail
Shield	Stainless Steel with matte-Tin plating on solder tails
Hold Down	Stainless Steel with matte-Tin plating on solder area (apply for without shield)
Mylar	Add Mylar for pick and place application
Moisture Sensitivity	MSL-1

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AVAILABLE DOCUMENTS

Below is a list of the most popular standard sales drawings:

Contact our website, sales, or an authorized Amphenol representation for additional drawings.

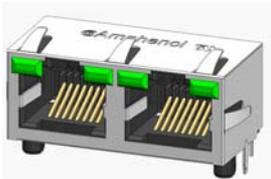
RJE23-144-0X13-T	Single port, top entry, 4P4C, SMT type, unshielded, tape & reel packaging
RJE23-166-0X13-T	Single port, top entry, 6P6C, SMT type, unshielded, tape & reel packaging
RJE23-188-0X13-T	Single port, top entry, 8P8C, SMT type, unshielded, tape & reel packaging
RJE23-188-3X1X-X	Single port, top entry, 8P8C, SMT, shielded with side EMI tabs

Related Products

RJHSE



P/N RJHSE-3081 SHOWN SINGLE PORT VERTICAL MOUNT, NO SHIELD, WITH LEDs



P/N RJHSE-5385-02 SHOWN TWO PORT REGULAR MOUNT WITH SHIELD AND LEDs

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