

*Now you're connected!*

### About Amphenol

#### Commercial Products

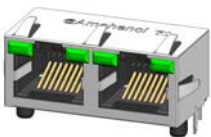
Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.

### Related Products

#### RJHSE



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

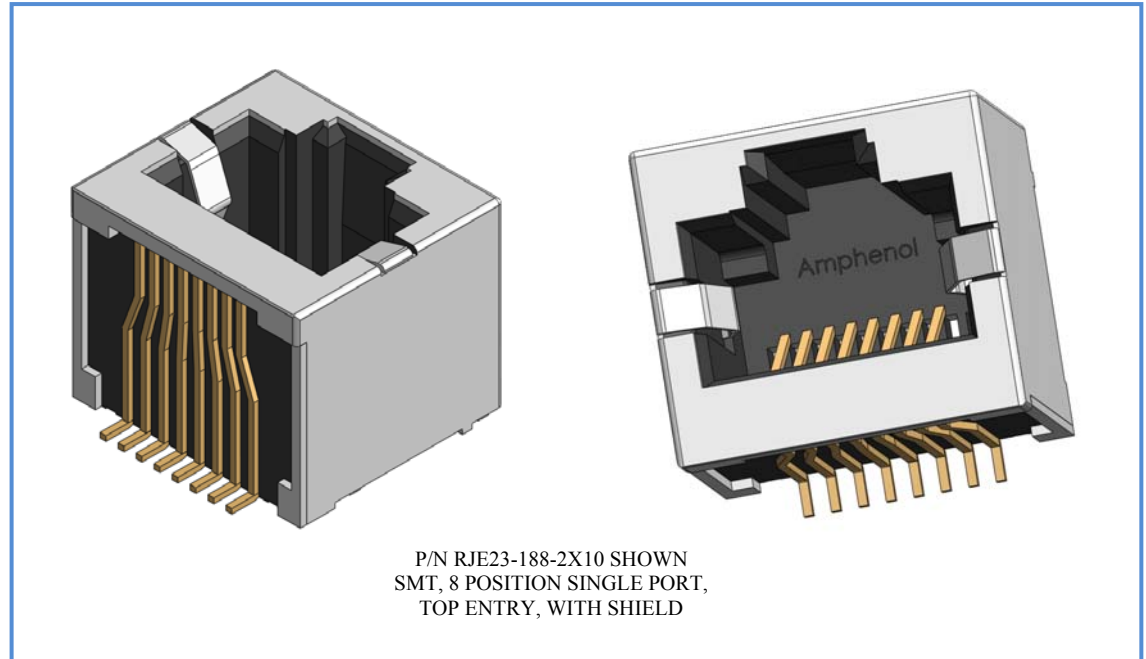


P/N RJHSE-5385-02 SHOWN  
TWO PORT REGULAR MOUNT,  
WITH SHIELD AND LEDS

#### RJSAE



P/N RJSAE-5385-02 SHOWN  
STACKED 2x1, 8 POSITION,  
WITH SHIELD AND LEDS



P/N RJE23-188-2X10 SHOWN  
SMT, 8 POSITION SINGLE PORT,  
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: 8 Position, Single port, shielded version currently under development.

### Usage

The RJE23 Top Entry, Surface Mount Modular Jack supports Ethernet Protocols. Shielding provides increased EMI performance.

### Applications

Intended for use in applications such as:

- Networking & Telecom
  - Wireless (WiMAX)
  - Network servers
  - Hubs, routers, switches
- Office & Home Equipment
  - PC's, Laptops, Copiers/Printers
  - Telephones, modems
  - Surge Protectors
  - ATMs, Vending Machines
- Consumer Goods
  - Security Systems
  - Set Top Boxes
  - Video Game Systems
- Miscellaneous
  - Multi-Media Equipment
  - Industrial Equipment
  - POS Terminals

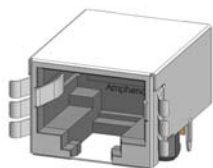
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## About Amphenol Commercial Products

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## Related Products

### RJUE



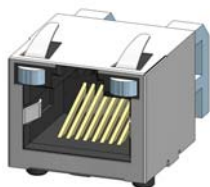
P/N RJUE-4X182-01 SHOWN  
SINGLE PORT REGULAR MOUNT,  
STANDARD SHIELD WITH SMT

### FRJAE



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

### RJSSE



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

## Electrical Characteristics

Contact resistance:	20 mΩ max.
Insulation resistance:	500 MΩ minimum at 500V DC for 2 minutes max.
Current rating:	1.5 Amps
Voltage rating:	125 Volts AC
DWV	1000 VAC, 60 Hz. 1 min.

## Mechanical Characteristics

Mating connector insertion force:	5.0 lbs. Maximum.
Mating connector pull retention force:	20 lbs Minimum.
Durability:	750 mating & unmating cycles
Connector is suitable for IR reflow.	
Operating temperature:	-55° C to +85° C

## Material Requirements

RJE23 connectors are RoHS compliant.

Unless otherwise specified, the materials for each component shall be:

Insulator:

- High Temp thermoplastic. Complies with UL 94V-0, Black color

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:

- Copper alloy, Matte tin plating

Hold Down:

- Copper alloy, Matte Tin plating

Coplanarity:

- Maximum gap between all terminal tails is .004"

## Available Documents

### Drawing Numbers:

P-RJE23-188-2X10	SMT, Single Port, Top Entry 8 Position Modular Jack, Shielded
P-RJE23-166-0X10	SMT, Single Port, Top Entry 6 Position Modular Jack, Unshielded
P-RJE23-144-0X10	SMT, Single Port, Top Entry 4 Position Modular Jack, Unshielded

Contact factory or Authorized Amphenol representative for additional configurations

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Page 2 of 2

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