

# RJSNEJF8MA8 Datasheet



DiGi Electronics Part Number	RJSNEJF8MA8-DG
Manufacturer	<a href="#">Amphenol ICC (Commercial Products)</a>
Manufacturer Product Number	RJSNEJF8MA8
Description	CONN MOD JACK 8P8C R/A SHLD
Detailed Description	Jack Modular Connector 8p8c (RJ45, Ethernet) 90° Angle (Right) Shielded

<https://www.DiGi-Electronics.com>

This model RJSNEJF8MA8 is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:

RJSNEJF8MA8

Series:

RJSNE

Connector Type:

Jack

Number of Ports:

8

Mounting Type:

Through Hole

Termination:

Solder

Ratings:

-

LED Color:

Red - Yellow

Tab Direction:

Up and Down

Contact Finish:

Gold

Housing Material:

Thermoplastic

Base Product Number:

RJSNEJF8

Manufacturer:

Amphenol ICC (Commercial Products)

Product Status:

Obsolete

Number of Positions/Contacts:

8p8c (RJ45, Ethernet)

Number of Rows:

2

Orientation:

90° Angle (Right)

Shielding:

Shielded

Features:

Board Lock

Ingress Protection:

-

Contact Material:

Phosphor Bronze

Contact Finish Thickness:

30.0µin (0.76µm)

Operating Temperature:

-40°C ~ 85°C

## Environmental & Export classification

RoHS Status:

RoHS Compliant

ECCN:

EAR99

Moisture Sensitivity Level (MSL):

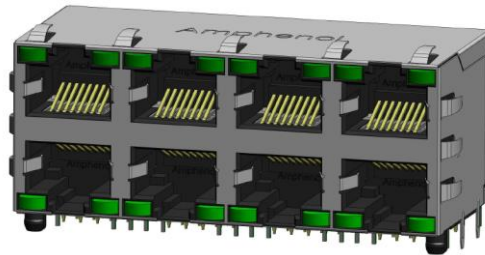
1 (Unlimited)

HTSUS:

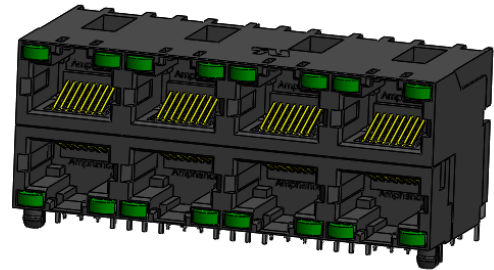
8536.69.4040

### 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.



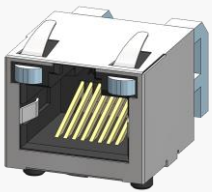
P/N RJSNE-5385-08 SHOWN



R/N RJSNE-5085-08 SHOWN

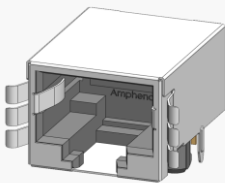
### Related Products

#### RJSSE



P/N RJSSE-5081 SHOWN  
SINGLE PORT, 8 POSITION,

#### RJULE



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

### OVERVIEW

This product specification defines the general use and performance parameters for Amphenol's RJSNE series of modular jacks.

Availability: 2X4 Ports available with a wide variety of LED and shielding options

### USAGE

The RJSNE series of modular jacks supports Ethernet Protocols. Shielding available for increased EMI performance and LEDs for Link Activity and Network Speed verification.

### 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

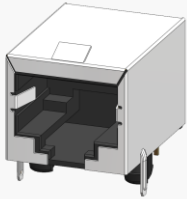
- Analysis Equipment
- Mass Spectrometers

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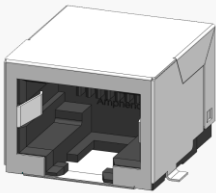
## Related Products

### 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

<b>Contact Resistance</b>	20 mΩ maximum
<b>Insulation Resistance</b>	500 MΩ minimum at 500V DC for 2 minutes maximum
<b>Current Rating</b>	1.5 Amps per contact
<b>Voltage Rating</b>	125 Volts AC
<b>DWV</b>	1000 VAC, 60 HZ. 1 min
<b>LED forward DC Current</b>	20 mA typical
<b>LED forward Voltage</b>	1.9 Volts max. @ 2mA (for single colours) 2.6 Volts max. @ 20mA (for Bi-colours)
<b>LED reverse Voltage</b>	5 Volts minimum
<b>LED Light Intensity</b>	0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for Bi-colours) Yellow: 587 ± 7nm measured @20mA Green: 565 ± 6nm measured @20mA Red: 625 ± 5nm measured @ 20mA
<b>LED wavelength</b>	

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

## MECHANICAL CHARACTERISTICS

<b>Mating connector insertion force</b>	5.0 lbs maximum
<b>Mating connector pull retention force</b>	20.0 lbs minimum
<b>Durability</b>	750 mating and unmating cycles for 50μ" gold plating
<b>Recommended soldering temperature</b>	Wave soldering peaked at 260°C for 5 seconds maximum
<b>Operating Temperature</b>	-40°C to +70°C

UL File #: E135615

## MATERIAL REQUIREMENTS

RJSNE connectors are RoHS compliant.

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

<b>Insulator</b>	Engineering thermoplastic, flammability rating UL 94V-0
<b>Contacts</b>	-Phosphor Bronze hard temper with gold thickness options (6μ", 15μ" 30μ", 50μ") over 50μ" minimum Nickel on contact mating area -100μ" minimum matte Tin plating on soldering tail
<b>Shield</b>	Copper alloy, Nickel plated with Tin dipped tail, or Stainless Steel with Tin dipped tail
<b>LED</b>	Pure Tin plating on LED tail

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## 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.

## AVAILABLE DOCUMENTS

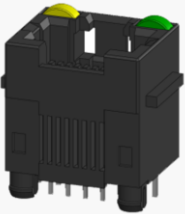
Below is a list of the most popular standard sales drawings:

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

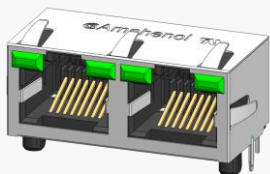
<b>RJSNE-5F81-08</b>	Two x Four ports, stackable, with shield, with LEDs
<b>RJSNE-X38X-A8X</b>	Two x Four ports, shield without top and side tabs, with LEDs
<b>RJSNE-X38X-08</b>	Two x Four ports, stackable, with shield, with LEDs
<b>RJSNE-XF8X-A8X</b>	Two x Four ports, stackable, shielded without tabs, with LEDs
<b>RJSNE-XF80-08</b>	Two x Four ports, shield without top and side tabs, with LEDs

## 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 SOUND WITH SHIELD AND LEDs

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Toronto, Ontario, Canada M1B 5X6

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