

RJSNE5F8MA8 Datasheet



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DiGi Electronics Part Number	RJSNE5F8MA8-DG
Manufacturer	Amphenol ICC (Commercial Products)
Manufacturer Product Number	RJSNE5F8MA8
Description	CONN MOD JACK 8P8C R/A SHLD
Detailed Description	Jack Modular Connector 8p8c (RJ45, Ethernet) 90° Angle (Right) Shielded

This model RJSNE5F8MA8 is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

RJSNE5F8MA8

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:

RJSNE5F8

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:

50.0µin (1.27µm)

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

RJSNE

Product Specification S6070C Rev 1.0

Amphenol

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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.

Related Products

RJSSE

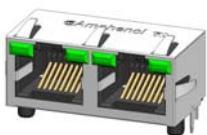


P/N RJSSE-5381 SHOWN
SINGLE PORT, 8 POSITION,
WITH SHIELD AND LIGHT PIPE

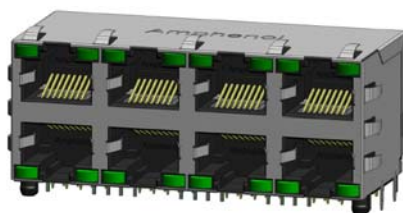
RJHSE



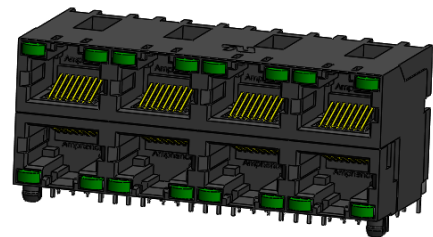
P/N RJHSE-3081 SHOWN
SINGLE PORT VERTICAL MOUNT,
NO SHIELD, WITH LEDs



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



P/N RJSNE-5385-08 SHOWN



P/N RJSNE-5085-08 SHOWN

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:

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

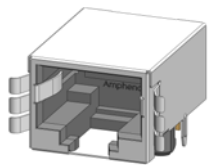
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Related Products

RJULE



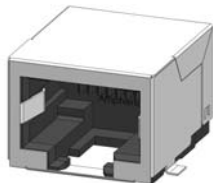
P/N RJULE-4X182-01 SHOWN
SINGLE PORT REGULAR MOUNT,
STANDARD SHIELD WITH SMT

FRJAE



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

RJLSE



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

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.
LED forward DC current:	20mA typical
LED forward Voltage:	1.9 Volts max. @ 2mA (for single colors) 2.6 Volts max. @ 20mA (for Bi-colors)
LED reverse voltage:	5 Volts minimum
LED light intensity:	0.4 to 1.5 mcd @ 2mA (for single colors) 0.5 mcd min. @ 2mA (for Bi-colors)
LED wave length:	Yellow: 587± 7 nm measured @ 20mA Green: 565± 6 nm measured @ 20mA Red: 625± 5 nm measured @ 20mA

Mechanical Characteristics

Mating connector insertion force: 5.0 lbs. Maximum.
Mating connector pull retention force: 20 lbs Minimum.
Durability: 750 mating & unmating cycles
Recommended soldering temperature: Wave soldering peaked at 260° C for 5 seconds maximum.
Operating temperature: -40° C to +85° C

Material Requirements

RJSNE connectors are RoHS compliant.

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

Insulator:

- Engineering 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 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 tail

Available Documents

Drawing Numbers:

P-RJSNE-X38X-X8X	2X4 ports stackable modular jack, shielded, 8 position, 8 contacts, with tail length option and LED option.
P-RJSNE-X08X-X8X	2X4 ports stackable modular jack, 8 position, 8 contacts, with tail length option and LED option.

Contact factory or Authorized Amphenol representative for additional configurations

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