



## M8 Female Straight Solder Cup Front Fastened Panel Receptacle

Part Number:

**RHT-634-1421-xx**



### Basic Information

|                     |                                   |
|---------------------|-----------------------------------|
| Connector Type      | Receptacle                        |
| Contact Termination | Solder Cup                        |
| Fastening Type      | Threaded                          |
| Gender              | Female                            |
| Key                 | A, B                              |
| Mounting Type       | Panel Mount                       |
| Mounting Feature    | Front Fastened                    |
| Number of Positions | 3 Pin, 4 Pin, 5 Pin, 6 Pin, 8 Pin |
| Orientation         | Straight                          |

### Material Specification

|                     |                                                                                |
|---------------------|--------------------------------------------------------------------------------|
| Contact Finish      | Gold Plating                                                                   |
| Contact Material    | Brass                                                                          |
| Insulation Material | PA66+GF                                                                        |
| Shell Finish        | Zinc Plating                                                                   |
| Shell Material      | Copper Alloy                                                                   |
| Wire Gauge          | 24AWG/0.25mm <sup>2</sup> for 3/4/5 Pin, 26AWG/0.14mm <sup>2</sup> for 6/8 Pin |

## Electrical Specification

|                       |                                              |
|-----------------------|----------------------------------------------|
| Contact Resistance    | ≤5MΩ                                         |
| Insulation Resistance | ≥100MΩ                                       |
| Rated Current         | 1.5A for 6/8 Pin, 3A for 3/4/5 Pin           |
| Rated Voltage         | 30V for 5/6/8 Pin, 50V AC/60V DC for 3/4 Pin |
| Shielding             | Unshielded                                   |

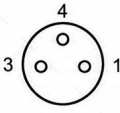
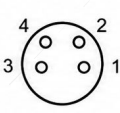
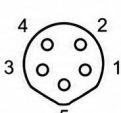
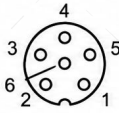
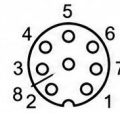
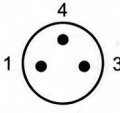
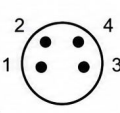
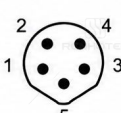
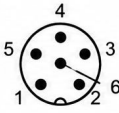
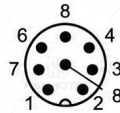
## Environmental Specification

|                       |                |
|-----------------------|----------------|
| Ingress Protection    | IP67           |
| Operating Temperature | -25°C ~ + 80°C |

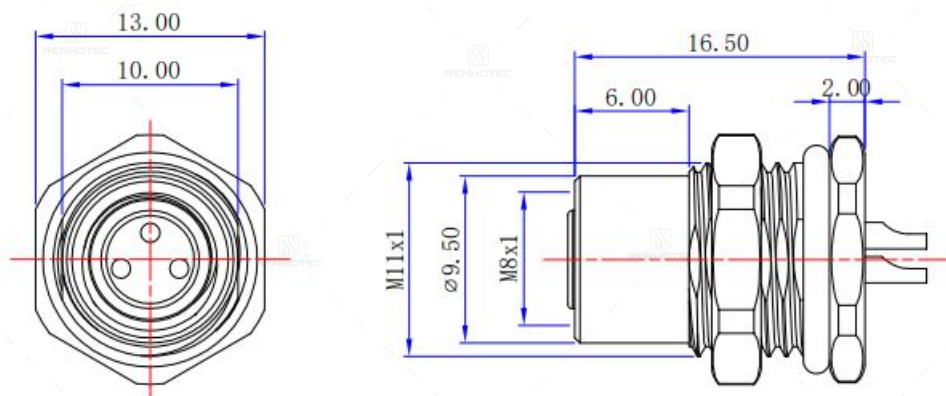
## Mechanical Specification

|                      |                    |
|----------------------|--------------------|
| Mechanical Operation | >500 Mating Cycles |
|----------------------|--------------------|

## Contact Layout

|                             |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Number of positions         | 3                                                                                   | 4                                                                                   | 5                                                                                    | 6                                                                                     | 8                                                                                     |
| Insert arrangement (Female) |  |  |  |  |  |
| Insert arrangement (Male)   |  |  |  |  |  |
| Coded                       | A-Coded                                                                             | A-Coded                                                                             | B-Coded                                                                              | A-Coded                                                                               | A-Coded                                                                               |

## Size



## Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.