

## M12 Male Straight Solder Cup Receptacle, Front Fastened Panel Mount

Part Number:

**RHT-634-1322**

### Basic Information

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| Contact Termination | Solder Cup                                               |
| Contact Type        | Male                                                     |
| Key                 | A, B, D                                                  |
| Number of Positions | 12 Pin, 17 Pin, 2 Pin, 3 Pin, 4 Pin, 5 Pin, 6 Pin, 8 Pin |
| Orientation         | Straight                                                 |

### Material Specification

|                     |                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| Body Material       | Brass, Nickel Plated                                                                                                      |
| Contact Finish      | Gold                                                                                                                      |
| Contact Material    | Brass                                                                                                                     |
| Insulation Material | PA66+GF                                                                                                                   |
| Seal                | Black, NBR                                                                                                                |
| Wire Gauge          | 22AWG/0.34mm <sup>2</sup> for 2/3/4/5 Pin, 24AWG/0.25mm <sup>2</sup> for 6/8 Pin, 26AWG/0.14mm <sup>2</sup> for 12/17 Pin |

### Electrical Specification

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Contact Resistance    | ≤5MΩ                                                     |
| Insulation Resistance | ≥100MΩ                                                   |
| Rated Current         | 1.5A for 12/17 Pin, 2A for 6/8 Pin, 4A for 2/3/4/5 Pin   |
| Rated Voltage         | 250V for 2/3/4 Pin, 30V for 6/8/12/17 Pin, 60V for 5 Pin |
| Shielding             | Unshielded                                               |

### Mechanical Specification

|               |      |
|---------------|------|
| Mating Cycles | ≥500 |
|---------------|------|

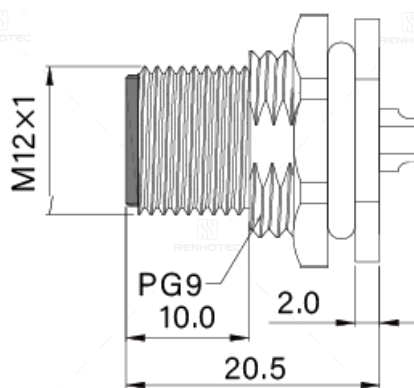
## Environmental Specification

|                   |               |
|-------------------|---------------|
| Protection Rating | IP67(Mated)   |
| Temperature range | -25°C ~ +80°C |

## Contact Layout

| Pins | Rated current | Rated voltage |      | Wire gauge |      | Female Contact                                                                      |                                                                                   |                                                                                    | Male Contact                                                                          |                                                                                     |        |
|------|---------------|---------------|------|------------|------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
|      |               | AC            | D/C  | AWG        | mm²  | A-Code                                                                              | B-Code                                                                            | D-Code                                                                             | A-Code                                                                                | B-Code                                                                              | D-Code |
| 2    | 4A            | 250V          | 250V | 22         | 0.34 |    |                                                                                   |                                                                                    |    |                                                                                     |        |
| 3    | 4A            | 250V          | 250V | 22         | 0.34 |    |                                                                                   |                                                                                    |    |                                                                                     |        |
| 4    | 4A            | 250V          | 250V | 22         | 0.34 |    |                                                                                   |  |    |  |        |
| 5    | 4A            | 60V           | 60V  | 22         | 0.34 |    |  |                                                                                    |    |  |        |
| 6    | 2A            | 30V           | 30V  | 24         | 0.25 |    |                                                                                   |                                                                                    |    |                                                                                     |        |
| 8    | 2A            | 30V           | 30V  | 24         | 0.25 |    |                                                                                   |                                                                                    |    |                                                                                     |        |
| 12   | 1.5A          | 30V           | 30V  | 26         | 0.14 |  |                                                                                   |                                                                                    |  |                                                                                     |        |
| 17   | 1.5A          | 30V           | 30V  | 26         | 0.14 |  |                                                                                   |                                                                                    |  |                                                                                     |        |

## 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.