Stewart Connector RJ45 D38999
Series S-RJFTV

Rugged Solutions

Based on the rugged D38999 shell and high performance RJ45, Stewart Connector’s RJ45 D38999 provides Ethernet connectivity in harsh environments. A unique design reduces the footprint to the markets smallest, size 17 which can be used to transmit 1G Base-T Ethernet.
Series S-RJFTV

Main Characteristics

• D38999 series III style shell
• EMI protection with shielded cable
• Shell sizes 17 and 19, which is the smallest size on the market today and allows for communications speeds through 1G Base-T Ethernet
• Available in a variety of metals and plating’s
• Minimum of 500 mating cycles
• Sealed to IP68
• Four keyways available

Data transmission

• 10 Base-T, 100 Base-T, and 1G Base-T Ethernet
• High performance connectivity, up to 100 MHz

Applications

• Harsh Environment Connectivity
• Military Communication
• Railway
• Oil and Gas
• Renewable Energy Industry
Series S-RJFTV

Recommended Panel Dimensions

<table>
<thead>
<tr>
<th>Panel Mounting Side</th>
<th>&quot;A&quot; Diameter Inches [mm]</th>
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</thead>
<tbody>
<tr>
<td>Front</td>
<td>1.016 [25.81]</td>
</tr>
<tr>
<td>Rear</td>
<td>1.219 [30.96]</td>
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</tbody>
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If Back Shell is Used When Front Mounting, "A" = 1.219 [30.96]

Panel Cutout

.125 [3.2] Max Panel Thickness

*For Information on Size 19 Panel Dimensions, Contact Factory

Plug

Receptacle

Square Flange Receptacle

Assembled Dimensions
(Polarization Code A Shown)

*171.235.7512 stewartconnector.com
### How to Order Stewart Connector’s RJ45 D38999, Series S-RJFTV

<table>
<thead>
<tr>
<th>Series</th>
<th>S-RJFTV</th>
<th>5E</th>
<th>17</th>
<th>06</th>
<th>1</th>
<th>G</th>
<th>03</th>
<th>K123</th>
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</thead>
<tbody>
<tr>
<td>RJ45 38999 series III</td>
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#### Performance
5E - Suited for 10 BaseT, 100 BaseT, 1G BaseT

#### Shell size
17 - Size 17
19 - Size 19

#### Shell Type
- 02 - Receptacle, square flange
- 02BS - Receptacle, square flange, IP68 backshell, plastic gland
- 02BSM - Receptacle, square flange, IP68 backshell, metal gland
- 06P - Plug, straight, plastic gland
- 06M - Plug, straight, metal gland
- 07 - Receptacle, jamnut
- 07BS - Receptacle, jamnut, IP68 backshell, plastic gland
- 07BSM - Receptacle, jamnut, IP68 backshell, metal gland

#### Back end termination (omit for shell type 06)
1 - RJ45, Female, Straight

#### Shell material and plating
- G - Aluminum shell, olive drab plating
- N - Aluminum shell, nickel plating (RoHS)
- SS - Stainless steel, passivated (RoHS)
- BZ - Marine bronze (RoHS)

#### Cordset length
- 03 - 0.3 meter
- 05 - 0.5 meter
- 10 - 1.0 meter
- 15 - 1.5 meter

#### Modification code