1” Mini-Receptacle Connectors, Front Mount, US Color Code

Male, 6-, 7-, and 8-Pole
Receptacle connector, 1”-B body, male 6-, 7-, and 8-pole for front mounting, assembled stranded wire, potted with epoxy, chassis side thread 1/2” NPT, screw connection.

- US Color Code -

Female, 6-, 7-, and 8-Pole
Receptacle connector, 1”-B body, female 6-, 7-, and 8-pole for front mounting, assembled stranded wire, potted with epoxy, chassis side thread 1/2” NPT, screw connection.

- US Color Code -

Pin Assignments

Face Views, 1”-Male / Female

6 pole

1 = orange
2 = blue
3 = black
4 = white
5 = red
6 = green

7 pole

1 = white/black
2 = black
3 = white
4 = red
5 = orange
6 = blue
7 = green

8 pole

1 = orange
2 = blue
3 = white/black
4 = black
5 = white
6 = red
7 = green
8 = red/black
**1" Mini-Receptacle Connectors, Front Mount, US Color Code**
RSF 60B...80M | RKF 601B...801M

**Technical Data**

**Environmental**
Degree of protection: IP 68 / NEMA 6P
Operating temperature range: -40°C (-40°F) / +90°C (+194°F)

**Mechanical**
Insert: TPU, yellow
Contacts: CuZn, gold plated
Receptacle shell: Aluminum (anodized, clear)
Locknut: Steel, zinc plated
O-ring: Viton

**Electrical**
Current rating: 6 and 7 pole: 8 A
Voltage rating: 600 V
8 pole: 7 A

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Pins</th>
<th>Gauge</th>
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</thead>
<tbody>
<tr>
<td>RSF 60B-696/1F</td>
<td>RKF 601B-696/1F</td>
<td>6</td>
</tr>
<tr>
<td>RSF 70M-622/1F</td>
<td>RKF 701M-622/1F</td>
<td>7</td>
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<tr>
<td>RSF 80M-698/1F</td>
<td>RKF 801M-698/1F</td>
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