**Features**

1. Wide-ranging options to satisfy various customer requirements. Straight/Right angle, Single/Dual-row, Gold/Tin Plating etc.

2. Center Lock design enables high density mounting and easy operation

3. Lock damage prevention design

4. Secure mating with clear tactile click prevents incomplete insertion

5. High contact reliability with long effective mating length and 2-point contact design

6. Accepts Resin Sealing

**Specifications**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Straight Type</th>
<th>Right Angle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Header:</td>
<td>DF51K-6P-2DS</td>
<td>DF51K-6P-2DS</td>
</tr>
<tr>
<td>Socket:</td>
<td>DF51K-6S-2C</td>
<td>DF51K-6S-2C</td>
</tr>
</tbody>
</table>

**Rated Current**

<table>
<thead>
<tr>
<th></th>
<th>22 AWG</th>
<th>24 AWG</th>
<th>26 AWG</th>
<th>28 AWG</th>
<th>30 AWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>2A</td>
<td>2A</td>
<td>1.5A</td>
<td>1A</td>
<td>0.5A</td>
</tr>
</tbody>
</table>

**Rated Voltage**

250V AC/DC

**Operating Temperature**

-55 to 105°C

**Contact Resistance**

30mΩ Max. (20mV, 1mA)

**Insulation Resistance**

1,000MΩ Min. (500V DC)

**Withstanding Voltage**

650V AC for 1 min.

**Mating Durability**

30 times (Sn) / 50 times (Au)

* Including the temperature rise by current flow

- Pin variations: Single-row (2 - 6pos.), Dual-row (4 - 30pos.)
- Applicable cable: 22-30 AWG
- UL/C-UL certified
- RoHS compliant