**Technical Data Sheet**

<table>
<thead>
<tr>
<th>Longwipe-SMP</th>
<th>Straight Plug PCB Catchers Mit</th>
<th>17S144-40ML5</th>
</tr>
</thead>
</table>

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**Interface**

- Related to: MIL-STD-348A, Fig. 326
- According to: Rosenberger 17S000-000

**Documents**

- PCB layout: B127
- Tape & reel packaging: VG23.75000

**Material and plating**

<table>
<thead>
<tr>
<th>Connector parts</th>
<th>Material</th>
<th>Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center contact</td>
<td>Brass</td>
<td>AuroDur®, gold plated</td>
</tr>
<tr>
<td>Outer contact</td>
<td>Brass</td>
<td>AuroDur®, gold plated</td>
</tr>
<tr>
<td>Dielectric</td>
<td>LCP</td>
<td></td>
</tr>
</tbody>
</table>

All dimensions are in mm; tolerances according to ISO 2768 m-H
### Electrical data
- **Impedance**: 50 Ω
- **Frequency**: DC to 6 GHz
- **Return loss**: ≥ 28 dB, DC to 3 GHz  
  ≥ 23 dB, 3 to 6 GHz
- **Insulation loss**: ≤ 0.05 x \(\frac{f}{1000}\) dB, DC to 12 GHz
- **Center contact resistance**: ≤ 6.0 mΩ
- **Outer contact resistance**: ≤ 2.0 mΩ
- **Test voltage**: 500 V rms
- **Working voltage**: 335 V rms
- **Contact Current**: 1.2A DC max.

*VSWR in application depends decisive on PCB layout*

### Mechanical data
- **Mating cycles**: ≥ 1000
- **Center contact captivation**: ≥ 7 N
- **Engagement force**: catchers mit 9 N max.
- **Disengagement force**: catchers mit 2.2 N min.

### Environmental data
- **Temperature range**: -65°C to +155°C
- **Thermal shock**: MIL-STD-202, Method 107, Condition B
- **Vibration**: MIL-STD-202, Method 204, Condition B
- **Shock**: MIL-STD-202, Method 213, Condition A
- **Moisture resistance**: MIL-STD-202, Method 106
- **Max. soldering temperature**: IEC 61760-1, +260°C for 10 sec.
- **RoHS compliant**

### Tooling
- **N/A**

### Suitable cables
- **N/A**

### Weight
- **Weight**: 0.7 g/pce

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While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.