Specifications for Printed Circuit Boards

1. Printed board thickness must not be less than 1.6 mm
2. PCB material should comply with IEC 61249-2-7
3. Both sides of the PCB should be covered with solder mask
4. Minimum distance between the edge of the PCB and the centre of the pin hole: 4 mm
5. Minimum distance between the centre of the pin hole and the component on the PCB: 4 mm
6. Plated through-hole specifications for Press-fit pin:
   - Hole diameter before plating: 1.6 mm ± 0.025 mm
   - Thickness of the PTH wall: > 25 μm Cu
   - Plated hole final diameter: 1.45 mm ± 0.09 mm / -0.06 mm
   - Minimum Cu width of the annular ring: > 0.1 mm
   - Through hole position accuracy: ± 0.1 mm
   - For chemical tin plating (Sn): 0.5 μm to 10 μm
     The PCB can be disassembled and reused 2 more times.
   - For HAL tin plating (Sn): 0.5 μm to 50 μm
     The PCB can be disassembled and reused 2 more times.
7. Au: not generally released; individual release of PCB system required
8. For any other requirements IEC 60352-5 standard should be considered

Recommended hole and cutout dimensions on the PCB:

General notes:
- Tolerance of pin positions ±0.5 mm at the end of pins
- Refer to the module datasheet for pinout and 3D-CAD model
- Mounting parameters see in the actual Handling Instructions