Specifications for Printed Circuit Boards

1. PCB 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. Plated through-hole specifications for Press-fit pins:
   - Plated hole final diameter: Ø1 mm +0.09 mm / 0.06 mm
   - Thickness of the Cu PTH wall > 25 μm Cu
   - Minimum Cu land width > 0.2 mm
   - Through hole position accuracy: ±0.1 mm
   - Chemical Tin (Sn) plating: 0.5 μm to 10 μm
   - HAL Tin (Sn) plating: 0.3 μm to 50 μm
   - Chemical Gold (Au), Silver (Ag) and Organic Solderability Preservative (OSP) are not generally released
   - Minimum distance between the centre of the pin hole and the edge of the PCB or components on the PCB: 4 mm
   - For additional requirements the IEC 60352-5 standard should be considered

5. Hole and cutout sizes on the driver PCB

A. Tolerance of pin positions ±0.2 mm at the end of pins
B. Refer to the module datasheet for pinout and 3D-CAD model
C. Mounting parameters see in the actual Handling Instructions