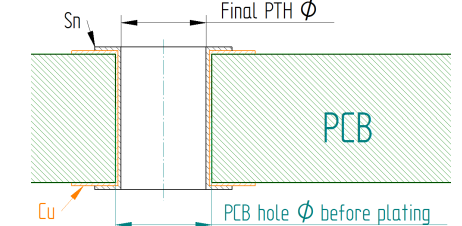


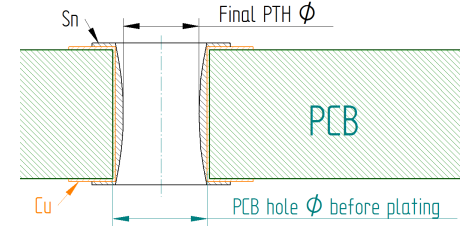
**Specifications for Printed Circuit Boards**

- Printed board thickness must not be less than 1.6 mm
- PCB material should comply with IEC 61249-2-7
- Both sides of the PCB should be covered with solder mask
- Minimum distance between the edge of the PCB and the centre of the pin hole: 4 mm
- Minimum distance between the centre of the pin hole and the component on the PCB: 4 mm
- 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.



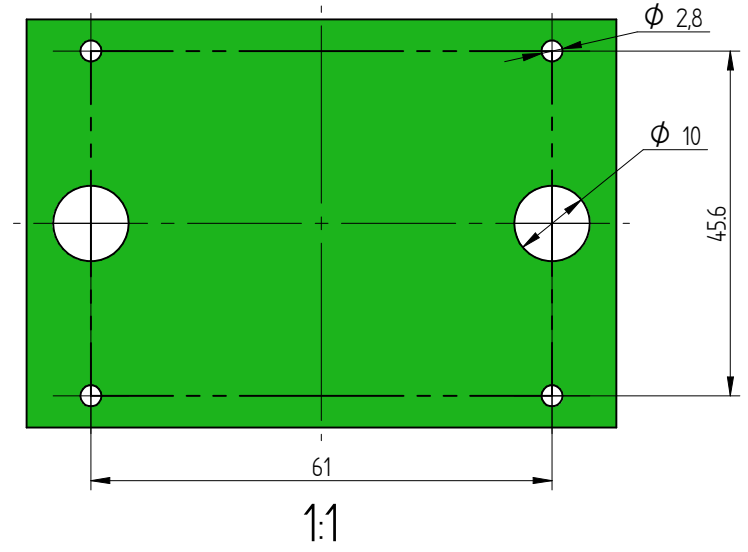
1. Figure: Chemical tin plating (for illustration only, no real proportions)

- for HAL tin plating (Sn): 0.5 µm to 50 µm
- The PCB can be disassembled and reused 2 more times.



2. Figure: HAL tin plating (for illustration only, no real proportions)

- Au: not generally released; individual release of PCB system required
- 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

51				2016.08.11		Initial release		Buza M. Géczy M.		Package Drawing		View scale
Rev.				Date		Iteration		Designed		Approved		Page
General tolerances ISO 2768 - m , K				Ps A3				Vincotech		Flow1C-4T12WTF-*PD		1/1
Linear dimensions				$x < 0.5 \pm 0.05$		$0.5 \leq x < 6 \pm 0.1$		$6 \leq x < 30 \pm 0.2$		$30 \leq x < 120 \pm 0.3$		$120 < x \pm 0.5$
Chamfers, radii				$x < 0.3 \pm 0.05$		$0.3 \leq x < 0.5 \pm 0.1$		$0.5 \leq x < 3 \pm 0.2$		$3 \leq x < 6 \pm 0.5$		$6 < x \pm 1$
References				Inspectional dim:		Revision number (Rev.): *		IP Development		Drawing alteration in revision: {}		