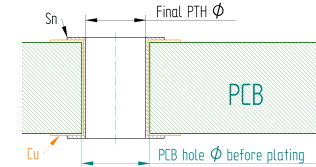


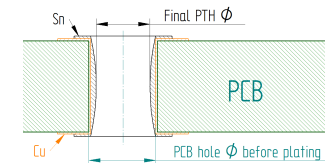
### Specifications for Printed Circuit Boards

- 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:  $1.6 \text{ mm} \pm 0.025 \text{ mm}$
    - Thickness of the PTH wall > 25  $\mu\text{m}$  Cu
    - Plated hole final diameter:  $1.45 \text{ mm} +0.09 \text{ mm} / -0.06 \text{ mm}$
    - Minimum Cu width of the annular ring > 0.1 mm
    - Through hole position accuracy  $\pm 0.1 \text{ mm}$
    - for chemical tin plating (Sn):  $0.5 \mu\text{m}$  to  $10 \mu\text{m}$
- The PCB can be disassembled and reused 2 more times.



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

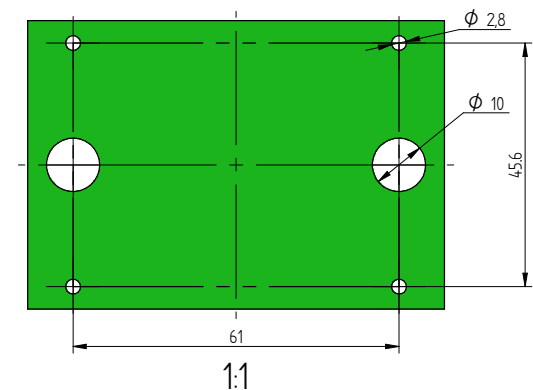
- for HAL tin plating (Sn):  $0.5 \mu\text{m}$  to  $50 \mu\text{m}$
- The PCB can be disassembled and reused 2 more times.



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  $\pm 0.5 \text{ mm}$  at the end of pins
- Refer to the module datasheet for pinout and 3D-CAD model
- Mounting parameters see in the actual Handling Instructions

01	2017.06.13	Initial release	Buza M.	Gymóthy Zs.	Package Drawing	View scale 2:1
Rev.	Date	Alteration	Designed	Approved		
<b>General tolerances ISO 2768 - m, K</b>			<b>Ps A3</b>			Page 1/1
<b>Linear dimensions</b>			<b>Ps A3</b>			
<b>Chamfers, radii</b>			<b>Ps A3</b>			
<b>References</b>			<b>Ps A3</b>			
Inspectional dim:			Revision number (Rev.): *		IP Development	Drawing alteration in revision: ()