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PCB Requierements

REV DOC: A

PCB: PCB F2838 Node.PcbDoc

DESIGNED: Maslvczvk

DATE: 12/21/2021

1. Compliance to standards

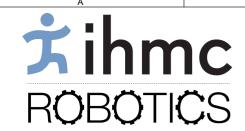
- Printed circuit board shall be manufactured as per IPC-6012 Class 2.
- Printed circuit board shall be RoHS compliant.
- Printed circuit board shall be UL796 compliant.
- Printed circuit board shall meet UL94 V-0 flammability rating.
- The acceptability of the printed circuit boards shall be evaluated according to IPC-A-600 Class 2.

2. Board dimensions / tolerances

- Board dimensions shall be as specified in the drill drawing Gerber file.
- Board dimensions are in mms. Tolerances are .XXX +/- 0.127mm

3. Silkscreen

- Silkscreen shall be non-conductive white epoxy ink.
- Silkscreen shall be applied on top of soldermask.
- Silkscreen clearance with solderable copper patterns shall be of at least 0.005" (5 mil).
- Silkscreen shall be applied using a process that ensures that all printed characters are legible.
- Silkscreen clipping is permitted to achieve design and process requirements
- Silkscreen shall be applied using common thermal curing process to print the slikscreen text.
- Silkscreen shall withstand reflow and normal cleaning process.



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4. PCB Stackup



Total thickness: 66.78mil

5. Approval of manufacturing Gerber files and PCB

Manufacturing Gerber files and detailed PCB Stackup shall be sent to IHMC designer for approval before initiating the board fabrication process.

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