



PC-104 Adapter Documentation

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SpaceLab, Universidade Federal de Santa Catarina, Florianópolis - Brazil

PC-104 Adapter Documentation
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CHAPTER 1

Introduction

[1]
[2]

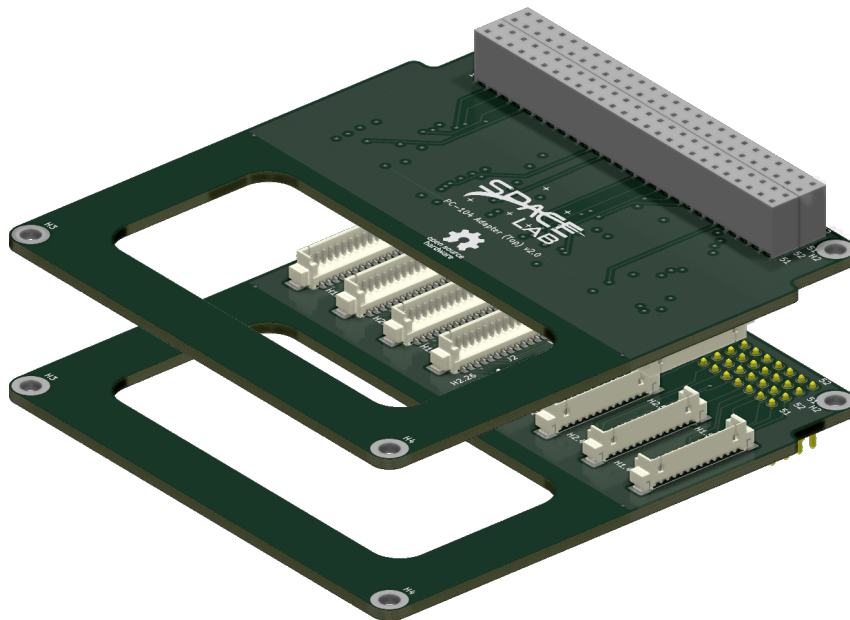


Figure 1.1: PC-104 adapter boards.

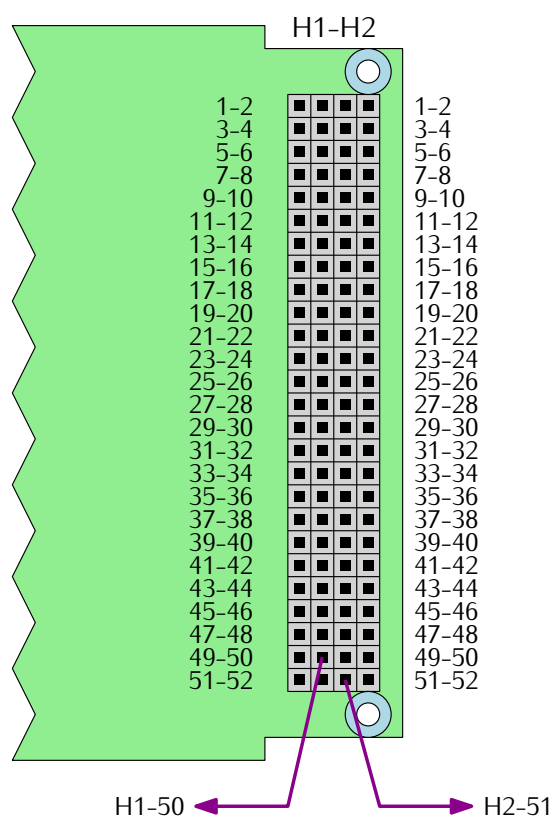


Figure 1.2: PC-104 pinout reference.

CHAPTER 2

Hardware Overview

[3]

2.1 Top Board

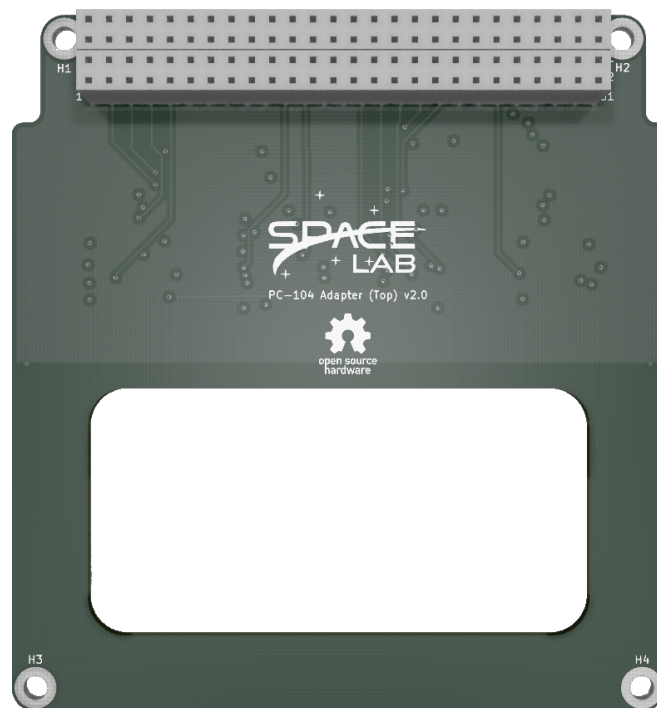


Figure 2.1: Top view of the top board (real size).

2.2 Bottom Board

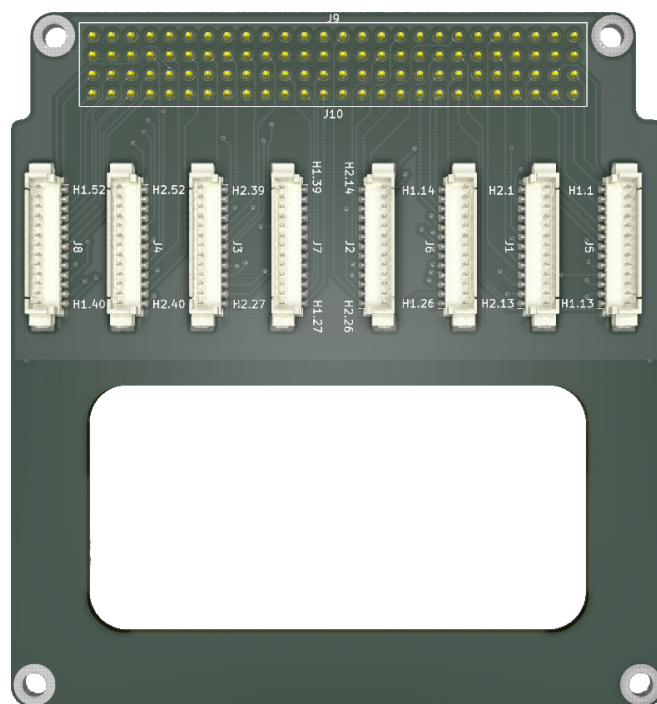


Figure 2.2: Bottom view of the top board (real size).

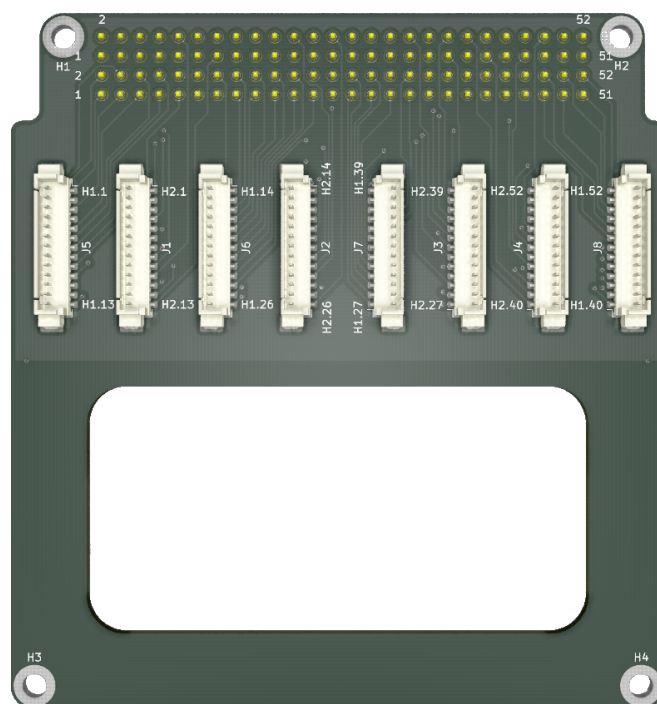


Figure 2.3: Top view of the bottom board (real size).

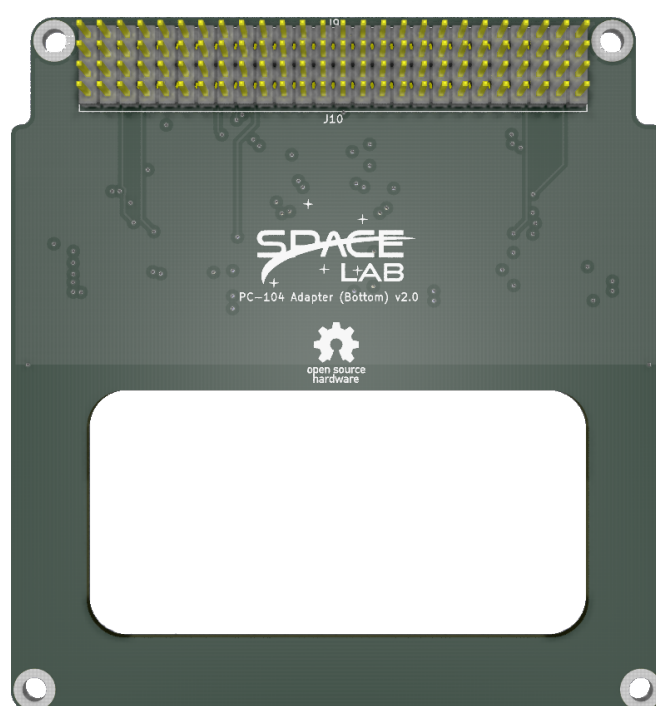


Figure 2.4: Bottom view of the bottom board (real size).

Bibliography

- [1] Space Technology Research Laboratory (SpaceLab). *PC-104 Adapter*, 2020. Available at <<https://github.com/spacelab-ufsc/pc104-adapter>>.
- [2] KiCad Developers Team. *KiCad EDA*, 2020. Available at <<https://kicad-pcb.org/>>.
- [3] Molex, LLC. *PicoBlade Connector System*, 2020. Available at <<https://www.molex.com/molex/products/family/picoblade>>.