SLB-PC104ADAPT-DOC-v2.0

PC-104 Adapter Documentation

PC-104 Adapter Documentation
SpaceLab, Universidade Federal de Santa Catarina, Florianópolis - Brazil

October 2020

PC-104 Adapter Documentation
October, 2020

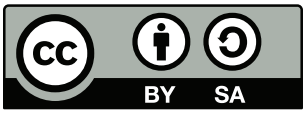
Project Chief:
Eduardo Augusto Bezerra

Authors:
Gabriel Mariano Marcelino

Contributing Authors:
André Martins Pio de Mattos
Edemar Morsch Filho
Yan Castro Azeredo

Revision Control:

Version	Author	Changes	Date
0.1	Gabriel M. Marcelino	Document creation	2020/06/21



List of Figures

List of Tables

Contents

CHAPTER 1

Introduction

[1]
[2]

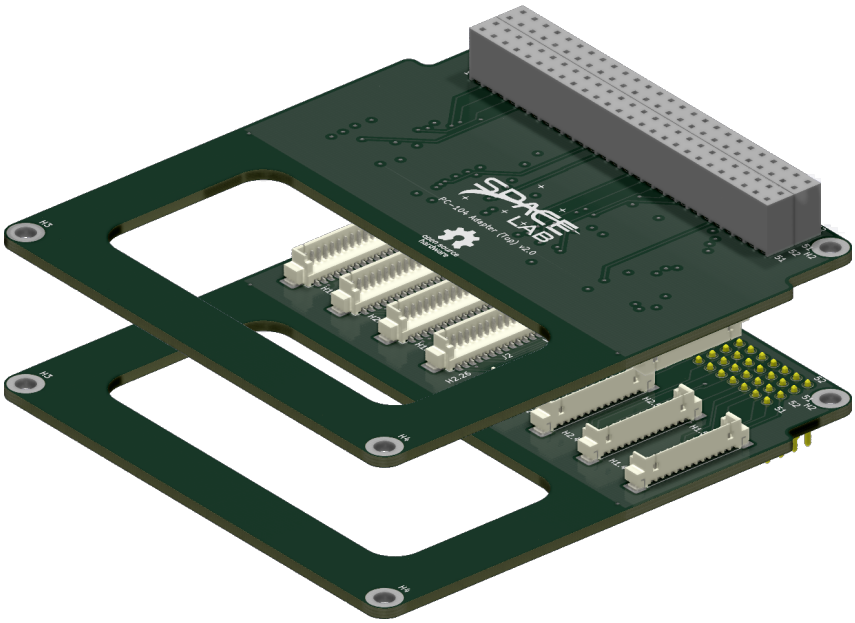


Figure 1.1: PC-104 adapter boards.

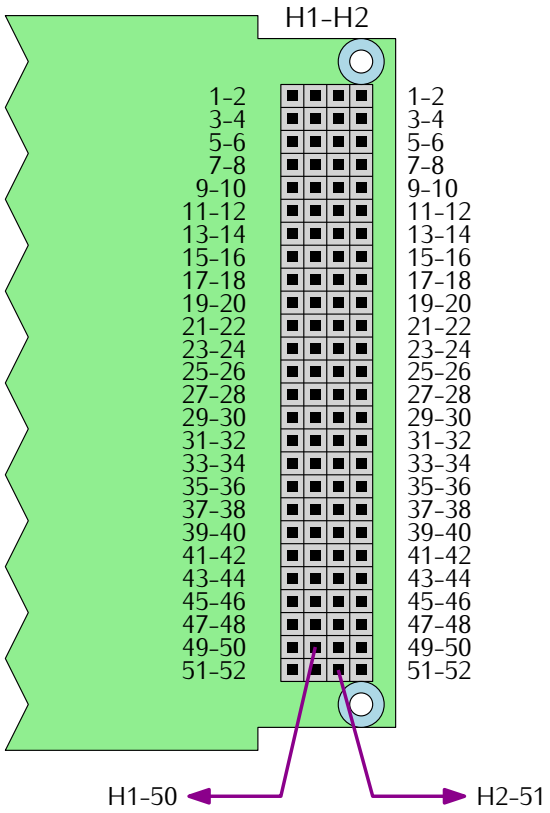


Figure 1.2: PC-104 pinout reference.

CHAPTER 2

Hardware Overview

[3]

2.1 Top Board

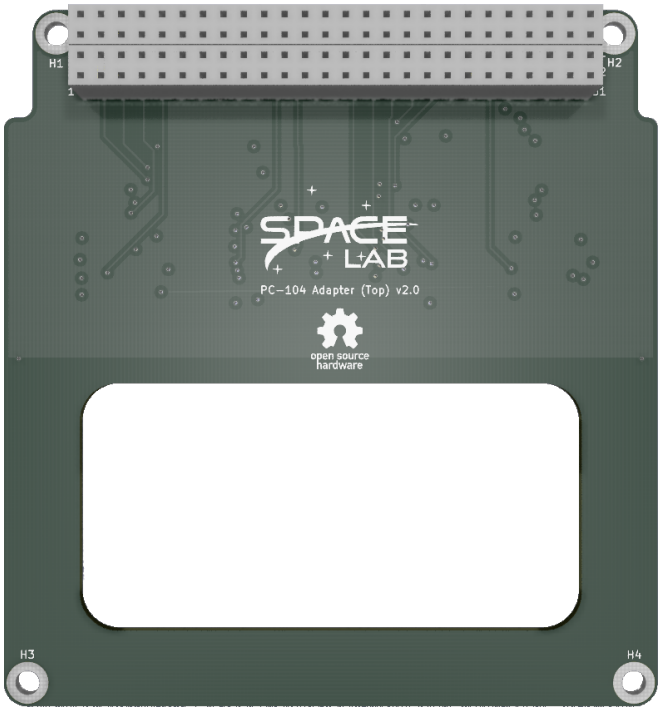


Figure 2.1: Top view of the top board (real size).

2.2 Bottom Board

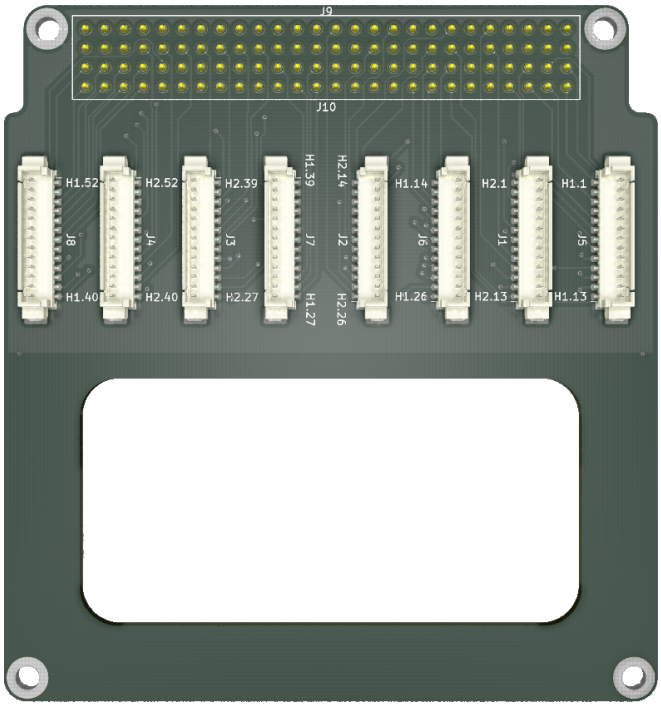


Figure 2.2: Bottom view of the top board (real size).

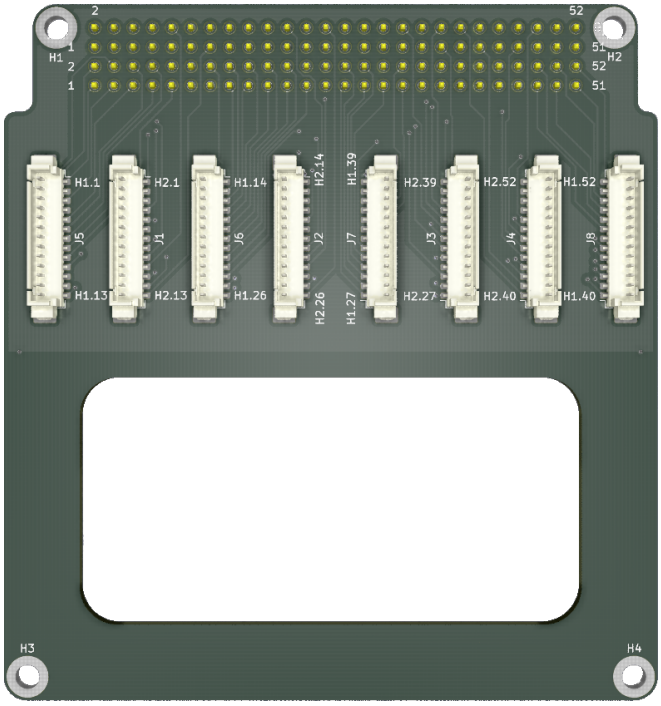


Figure 2.3: Top view of the bottom board (real size).

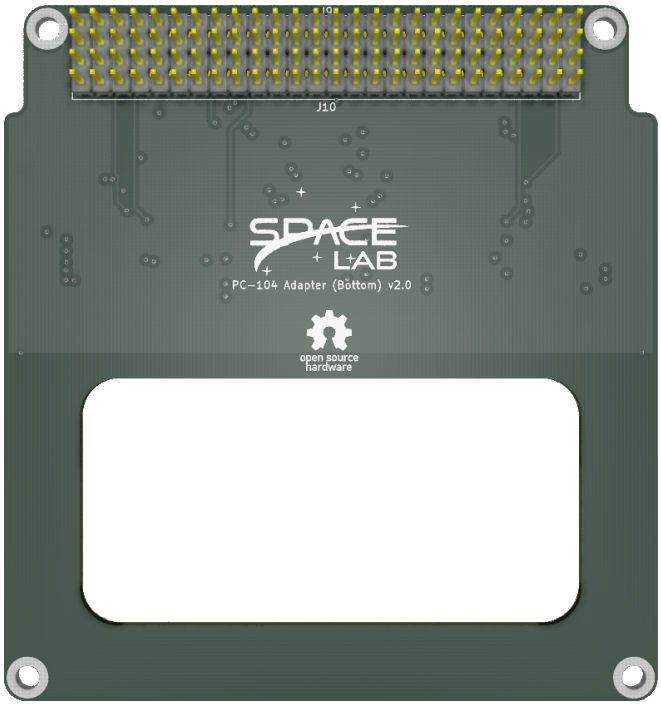


Figure 2.4: Bottom view of the bottom board (real size).

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>.