



# PC-104 Adapter Documentation

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*PC-104 Adapter Documentation*

*SpaceLab, Universidade Federal de Santa Catarina, Florianópolis - Brazil*



**PC-104 Adapter Documentation**  
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## Nomenclature

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**BOM**      *Bill Of Materials.*



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# CHAPTER 1

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## Introduction

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[1]  
[2]

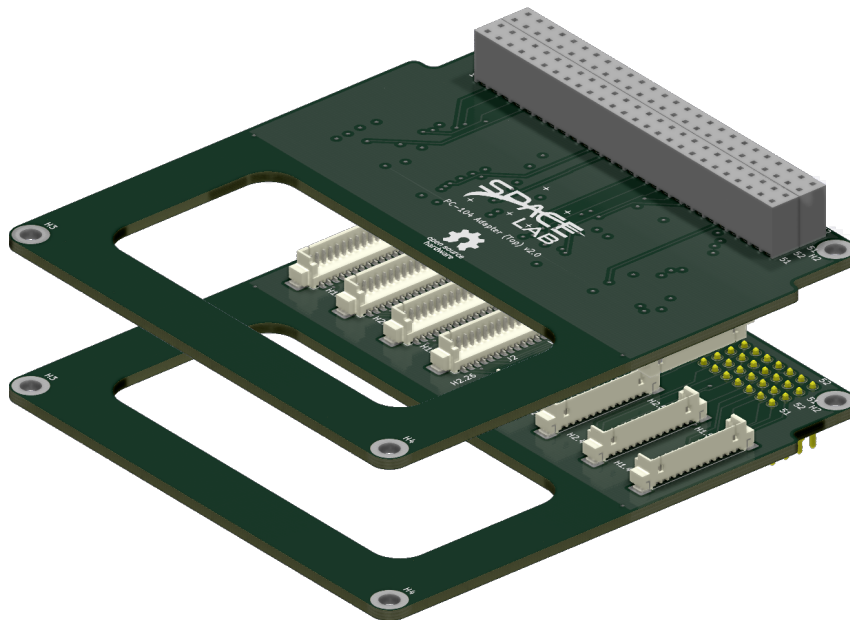


Figure 1.1: PC-104 adapter boards.

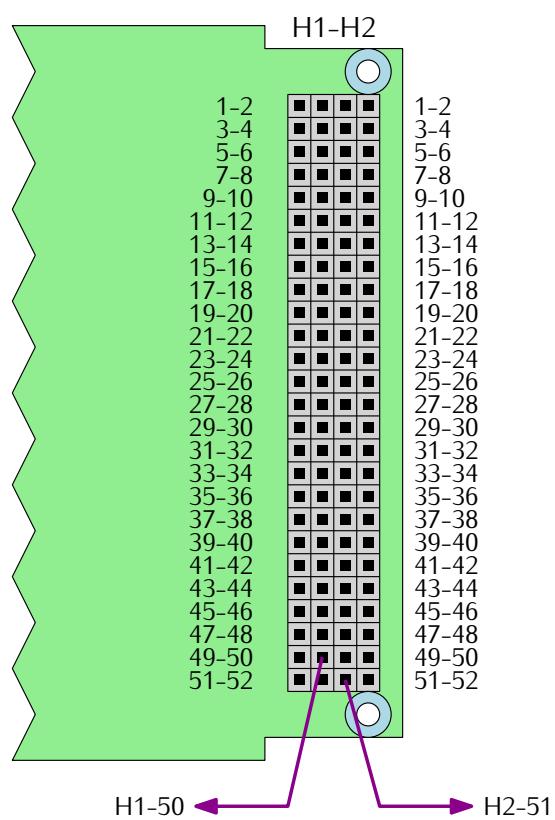


Figure 1.2: PC-104 pinout reference.

## CHAPTER 2

### Hardware Overview

[3]

### 2.1 Top Board

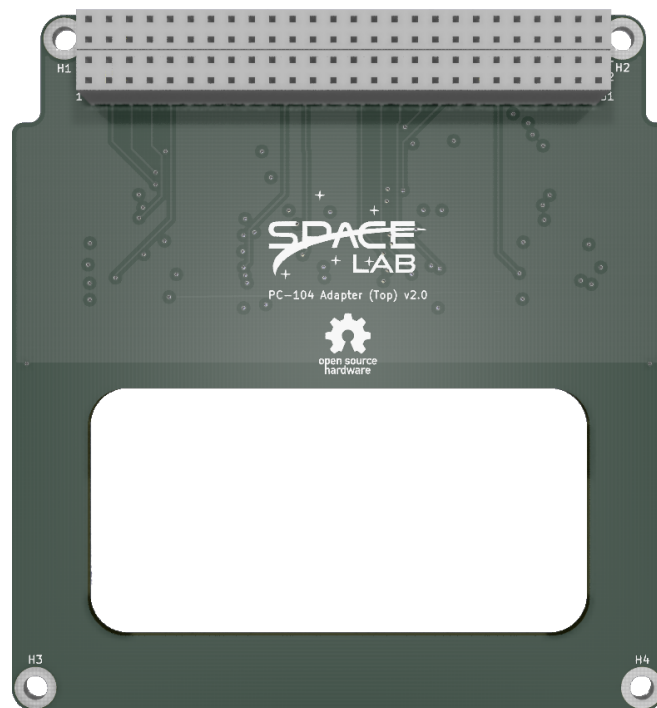


Figure 2.1: Top view of the top board (real size).

### 2.2 Bottom Board

### 2.3 Bill of Materials

The Bill of Materials (BOM) of the top and bottom boards are available in Tables 2.1 and 2.2, respectively.

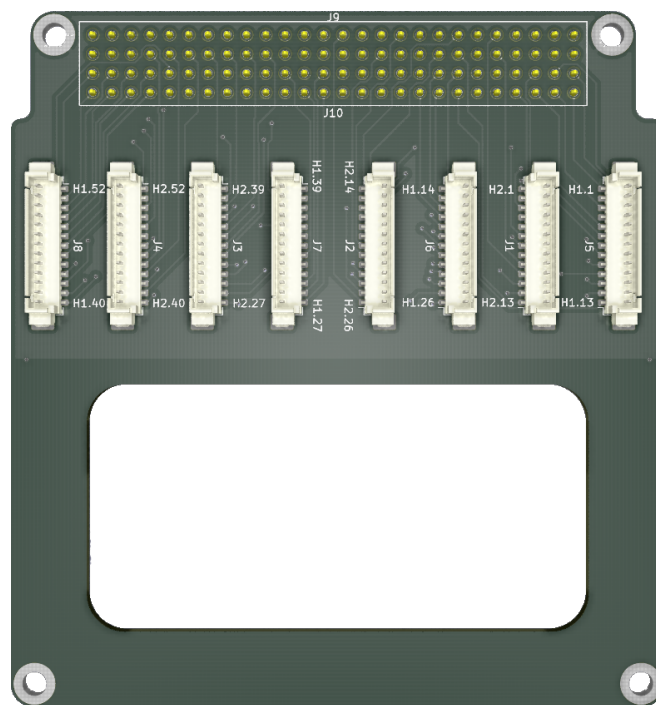


Figure 2.2: Bottom view of the top board (real size).

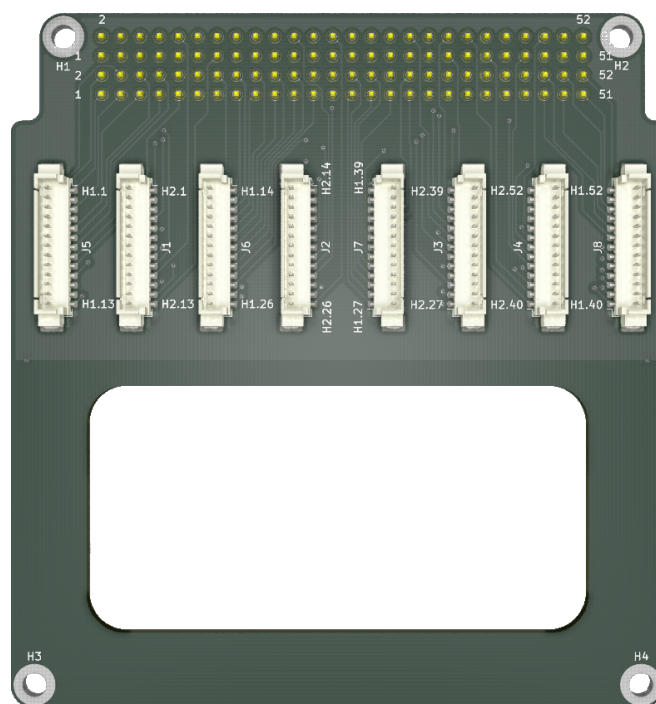


Figure 2.3: Top view of the bottom board (real size).

Item	Designator	Partnumber	Quantity
1	J9, J10	SSW-126-01-G-D	2
2	J1, J2, J3, J4, J5, J6, J7, J8	53398-1371	8

Table 2.1: Bill of Materials (BOM) of the top board.



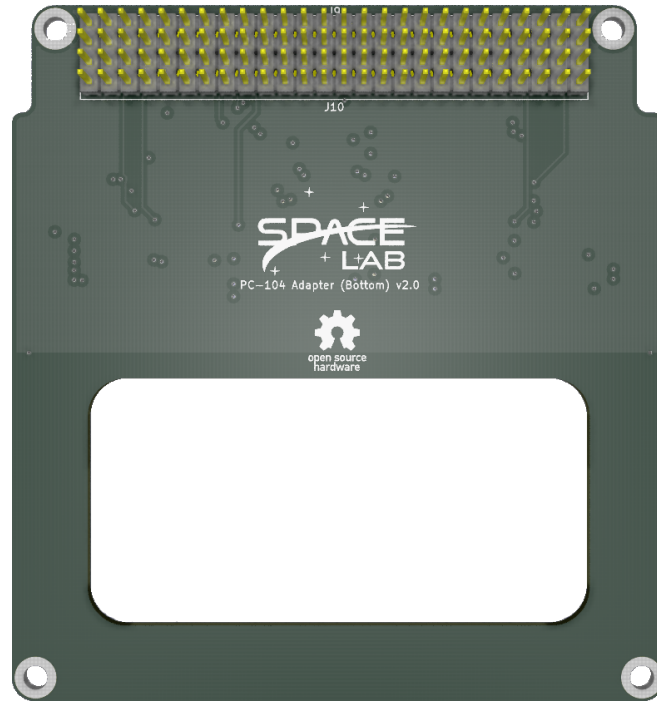


Figure 2.4: Bottom view of the bottom board (real size).

Item	Designator	Partnumber	Quantity
1	J9, J10	TSW-126-07-G-D	2
2	J1, J2, J3, J4, J5, J6, J7, J8	53398-1371	8

Table 2.2: Bill of Materials (BOM) of the bottom board.



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## Bibliography

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- [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>>.