Accumulator Verification: ATP-01

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This document contains information about how to verify the electrical connections inside the pack.

Table of Contents

Desired objectives

This test verifies all mechanical connections in the TSV circuit are electrically connected.

Required Hardware

- 1 Pack
- Simulated load
- Basic GLV safety loop
- PPE per safety plan
- Danger zone per safety plan
- Cables as specified in Appendix A
- Multi-meter
- Current probe

Required Software

None

Hardware Setup

Single pack

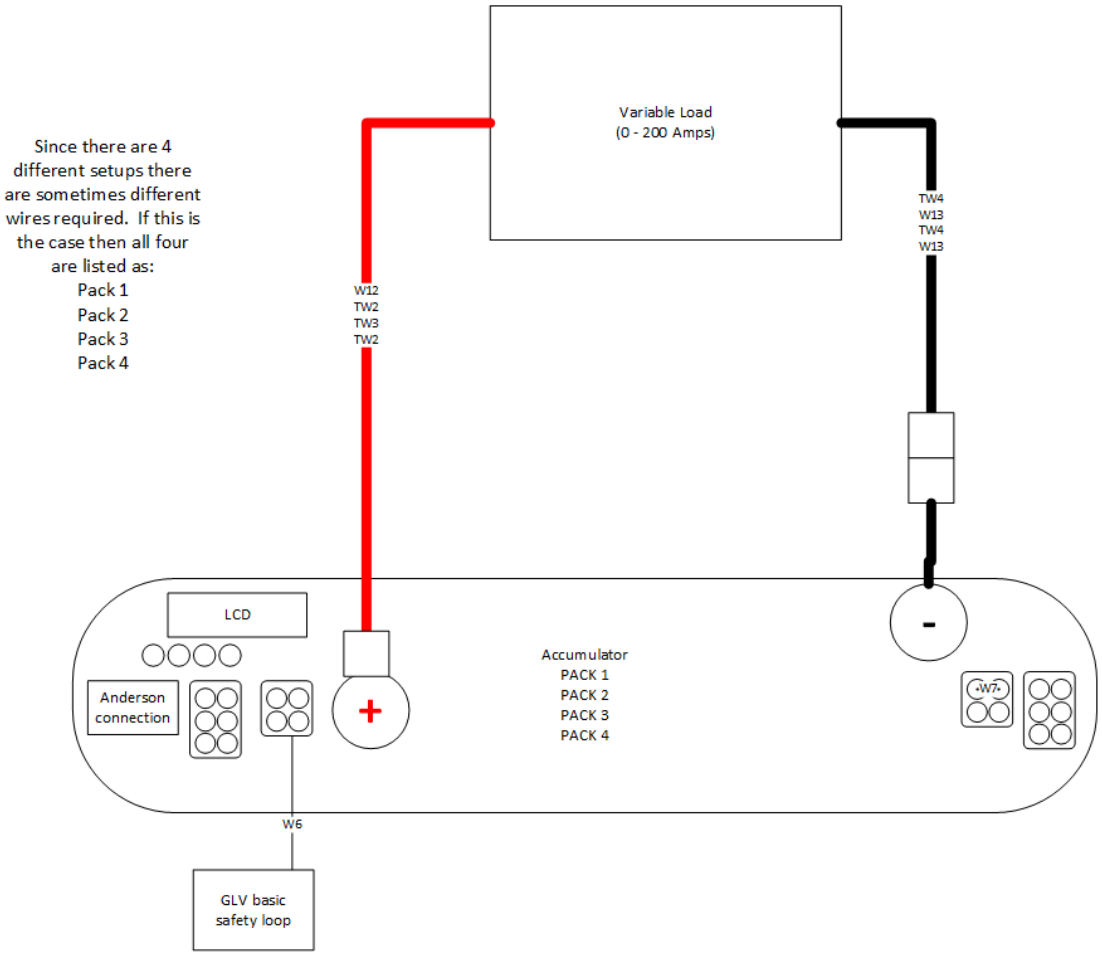


Figure 1 Single pack connections

Software Setup

N/A

Test

Suggestion: Run test at 20A.

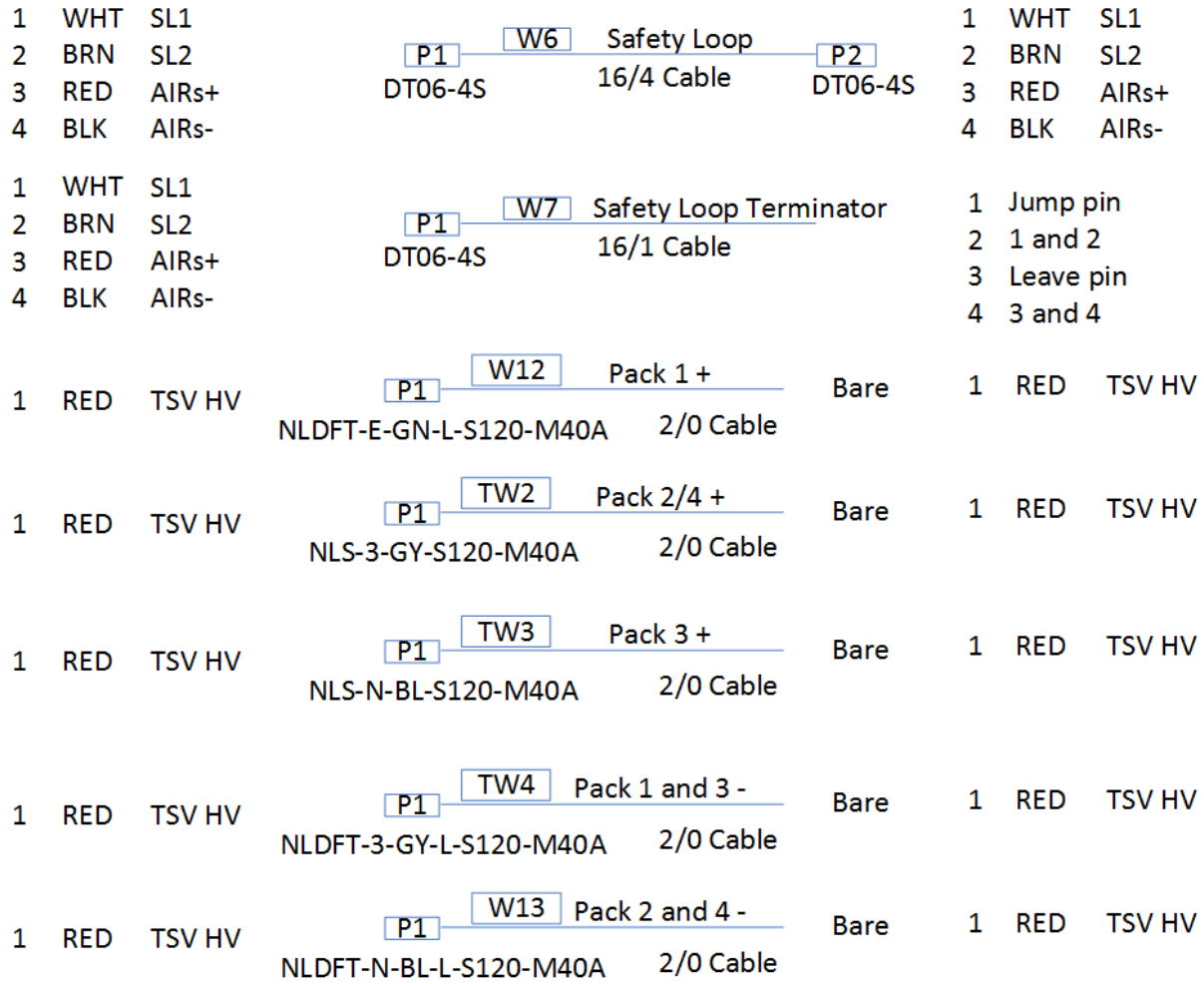
Desired data

It is desired to get the resistance between all connections. Use the picture in Appendix B. Note that in figure five pack one has an air between X1 and X2.

Fill out attached excel document for each pack in a new sheet.

_____	_____	_____
Witness/examiner signature	Date	Pass/Fail

Appendix A: Wiring requirements



Cable	What packs use it	Total count for full test
W6	1,2,3,4	4
W7	1,2,3,4	1
W12	1	1
TW2	2,4	1
TW3	3	1
TW4	1,3	1
W13	2,4	1

Appendix B: Measurement location images

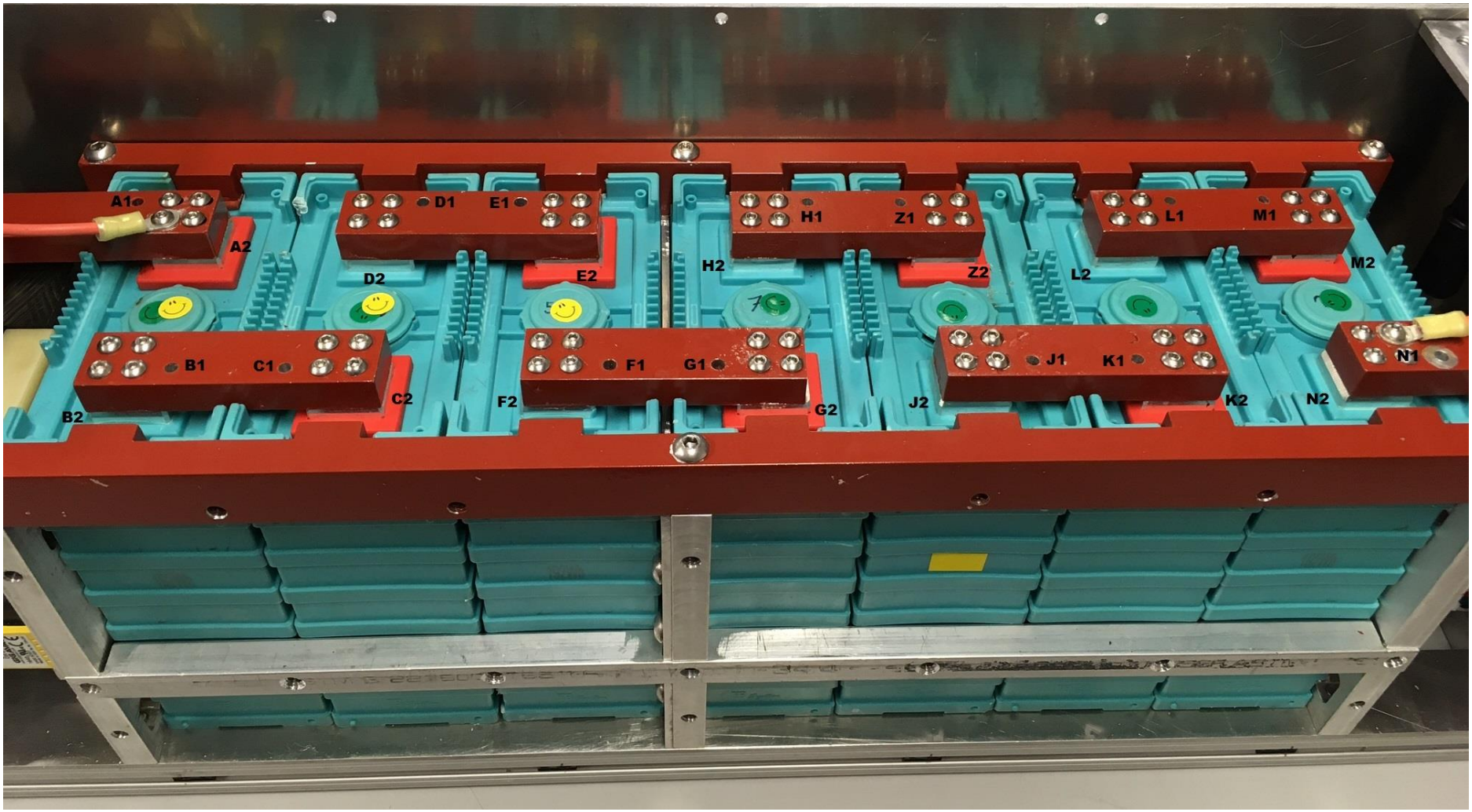


Figure 2 Top of cells

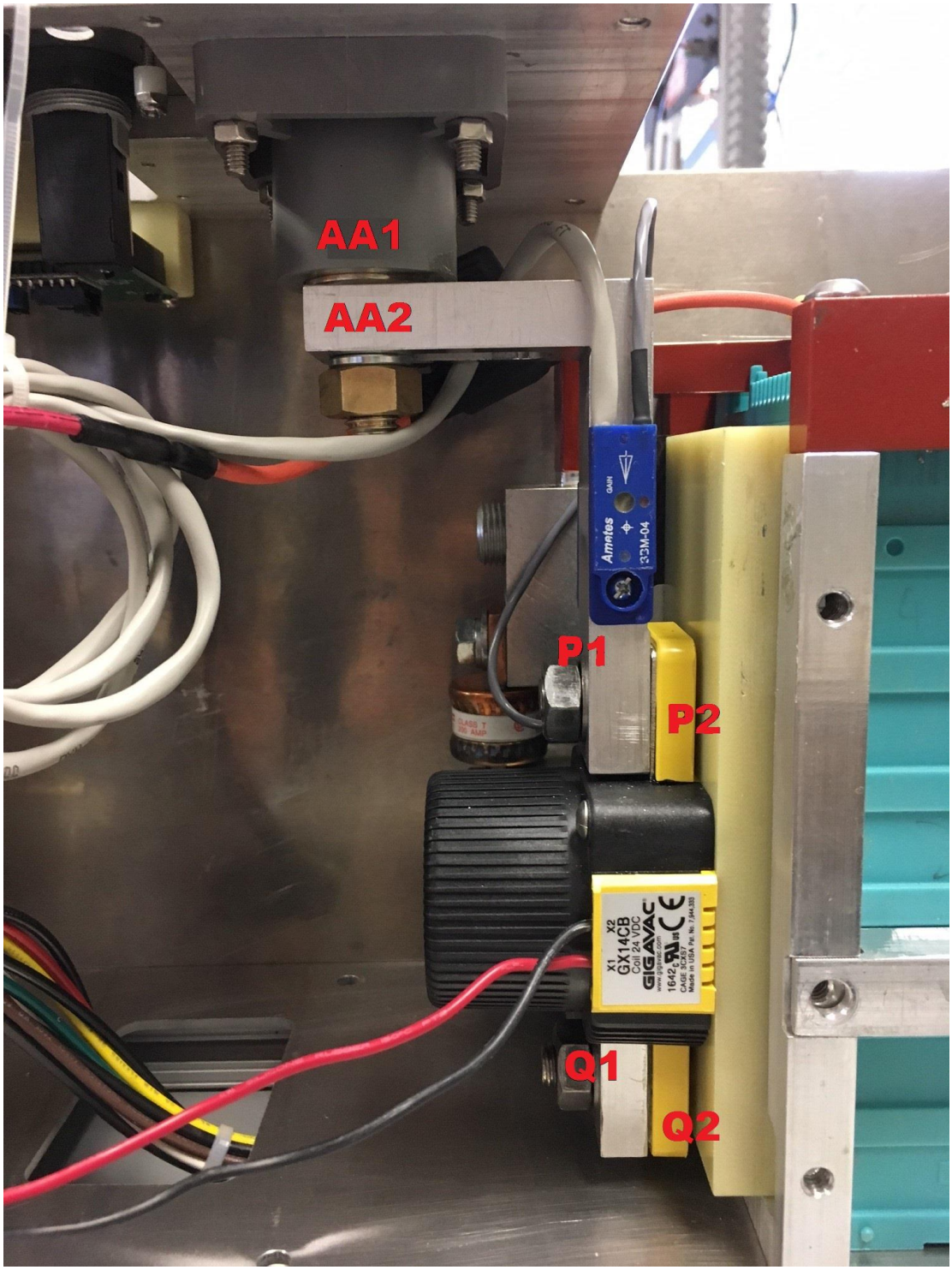


Figure 3 Positive connections front

Figure 4 Positive terminal side

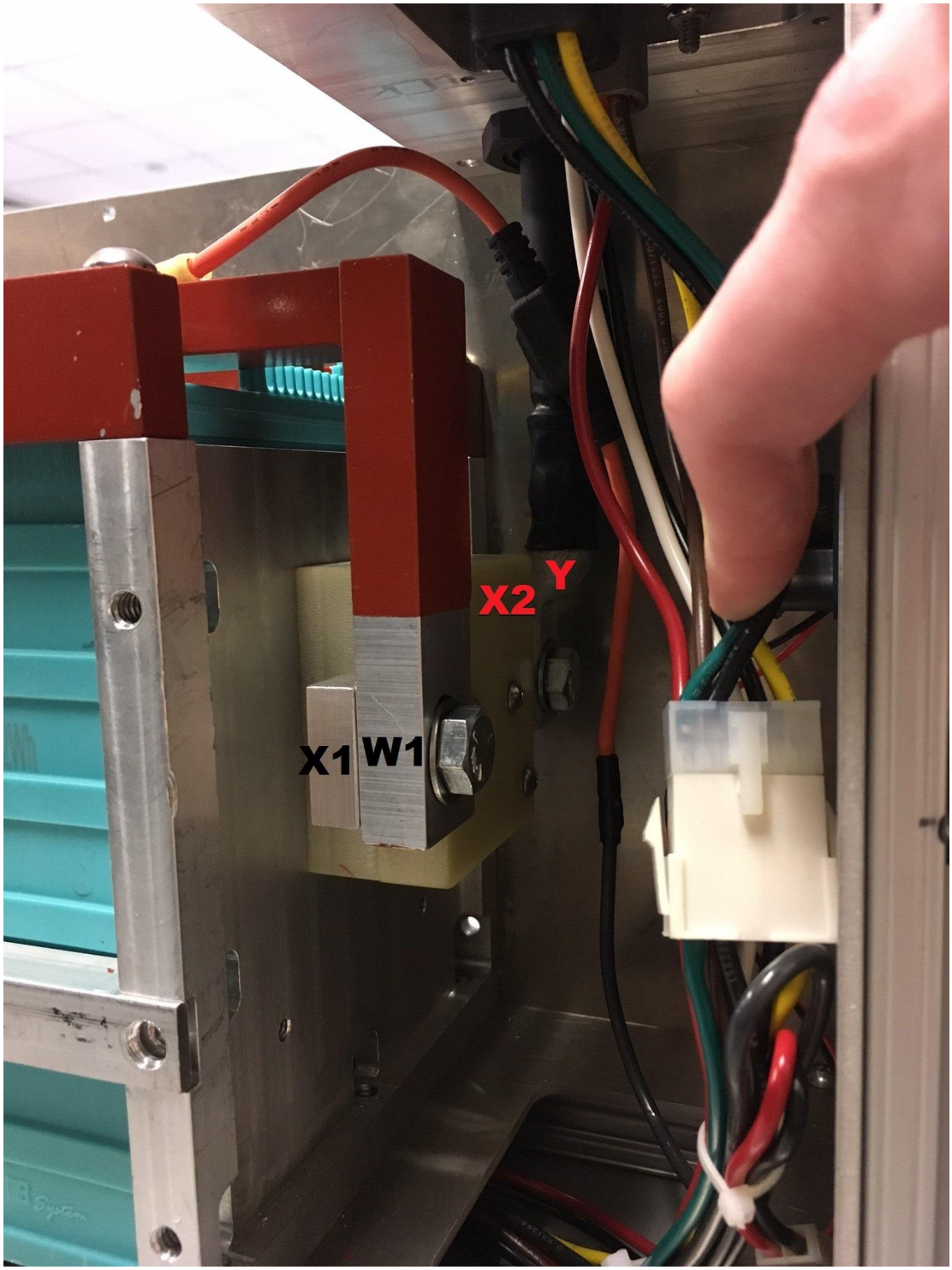


Figure 5 Negative connection side