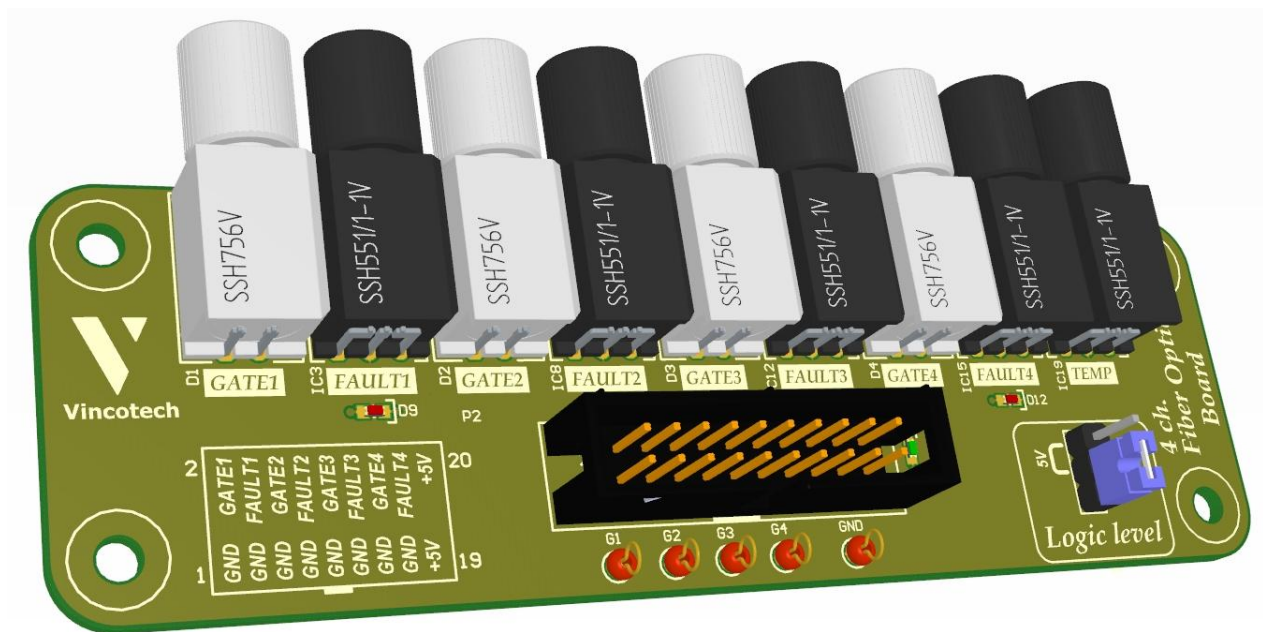


# 4 CHANNEL FIBER OPTIC ADAPTER

## Quick Start Guide





## Table of Contents

1	Introduction .....	4
1.1	Short introduction.....	4
1.2	Circuitry .....	5

## Revision History

<b>Date</b>	<b>Revision Level</b>	<b>Description</b>	<b>Page Number(s)</b>
2016 – Jan.	1	First release	5

**Disclaimer:**

The information in this document is given as an indication for the purpose of implementation only and shall not be regarded as any description or warranty of a certain functionality, condition or quality. The statements contained herein, including any recommendation, suggestion or methodology, are to be verified by the user before implementation, as operating conditions and environmental factors may vary. It shall be the sole responsibility of the recipient of this document to verify any function described herein in the given practical application. Vincotech GmbH hereby disclaims any and all warranties and liabilities of any kind (including without limitation warranties of noninfringement of intellectual property rights of any third party) with respect to any and all information given in this document.

# 1 Introduction



## Safety Information

The board described herein is designed for laboratory environments only. It may operate at high voltages and **must** be operated only by qualified and skilled personnel familiar with all applicable safety standards.

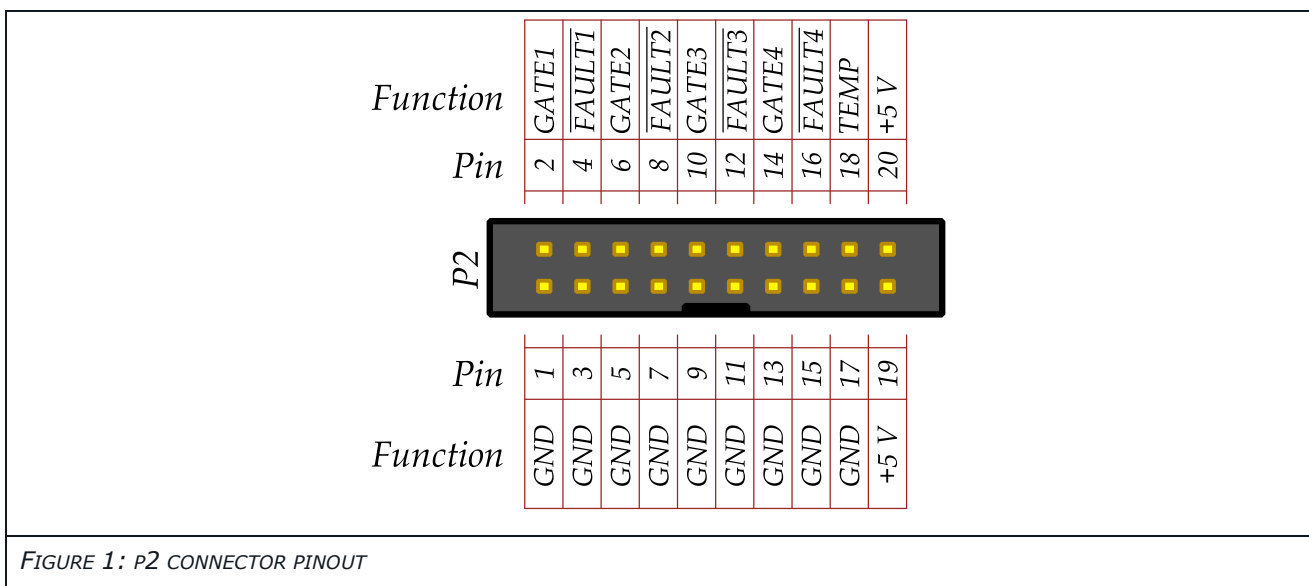
Caution: This board can endanger lives by exposing people to high voltages. Its ground potential is not floating. Use an isolation transformer to take measurements with a non-floating instrument (oscilloscope). Failure to heed these guidelines may result in personal injury or death and/or equipment damage.

### 1.1 Short introduction

This board can provide galvanic isolation between a low-voltage circuit (typical an MCU card) and a high-voltage gate driver circuit (M200, M600 gate driver). Optical fiber links completely eliminates ground loops due to different ground potentials.

This board has got 4 channel optical outputs (GATE signals) and inputs (FAULT signals). The low-voltage circuit connector pinout is shown on Figure 2.

Logic levels of these signals can be selected with P1 connector.



## 1.2 Circuitry

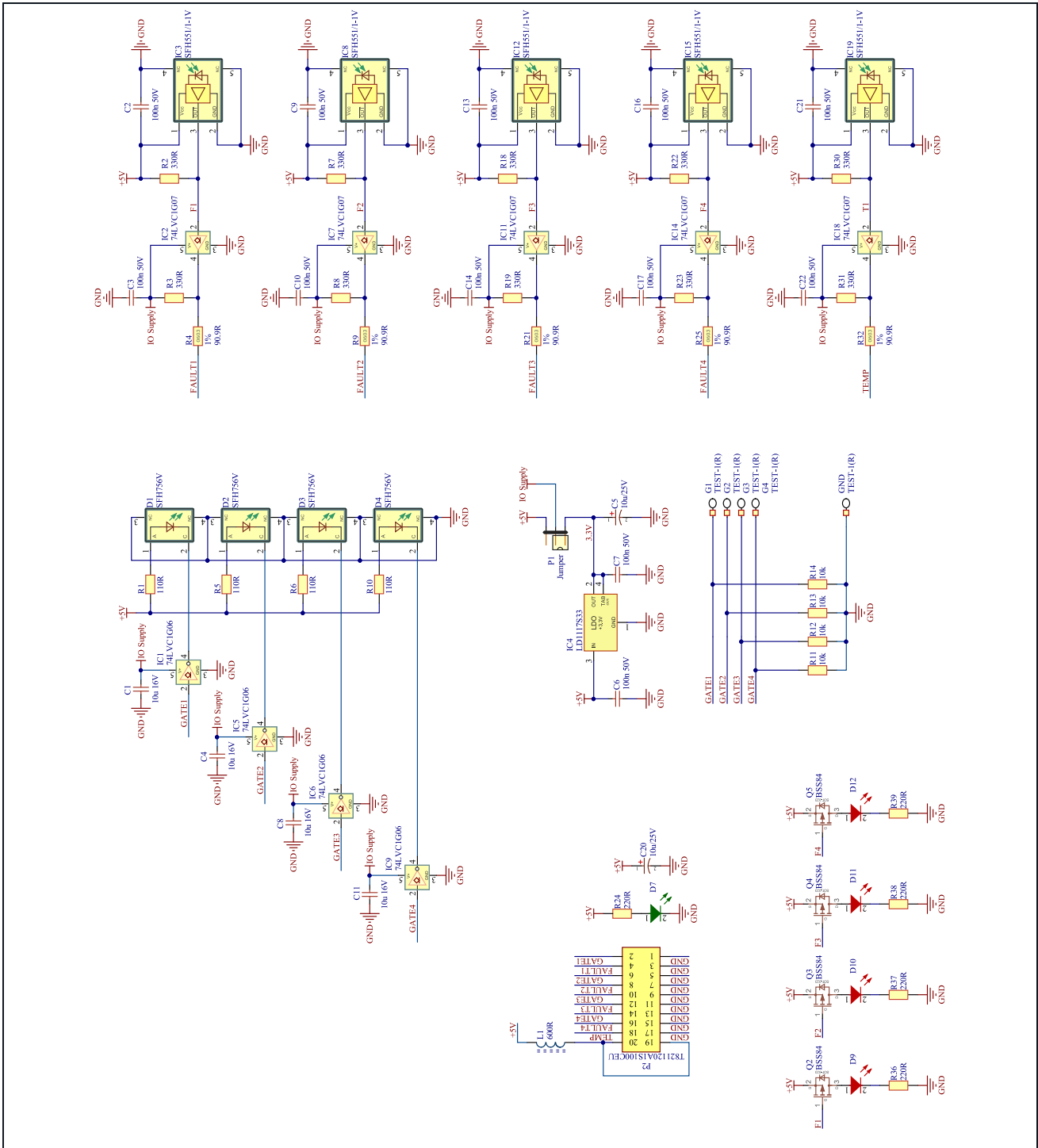


FIGURE 2: 4 CHANNEL FIBER OPTIC ADAPTER SCHEMATIC