

Dual DPDT Relays

MK-91648

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IONOTRONICS Corporation

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Table of Contents

1	Introduction	5
2	6 Pin DF11 Hirose Connector for GPIO Control	9
3	Schematic.....	9
4	Relay Terminals.....	10
5	Appendix Hirose DF11 Series Connectors.....	12
6	GNU Free Documentation License	14

List of Figures

Figure 1 MK- 91648 DUAL SPDT Relay GPIO Control	5
Figure 2 MK- 91648 DUAL SPDT Relay GPIO Control Another View	6
Figure 3 MK- 91648 DUAL SPDT Relay GPIO Control Top View	7
Figure 4 MK- 91648 Board Dimensions	8
Figure 5 J1 6 Pin DF11 Series Hirose Connector for Relay and LED Control	9
Figure 6 MK-91648 Dual SPDT Relay GPIO Control Schematic	9
Figure 7 Relay Terminals Schematic.....	10
Figure 8 Relay Terminals	11
Figure 9 Guide to the Hirose DF11 series connector	12

1 Introduction

The MK-91648 supports two DPDT relays on a single board. The Relays are driven using GPIO signals. Two LEDs are also provided. A 6 pin DF11 Series Hirose connector is provided for connecting the GPIO signals to drive the Relays and the LEDs. Two terminal strips are provided for all relay terminals. The device can be interfaced to embedded processors for relay control.

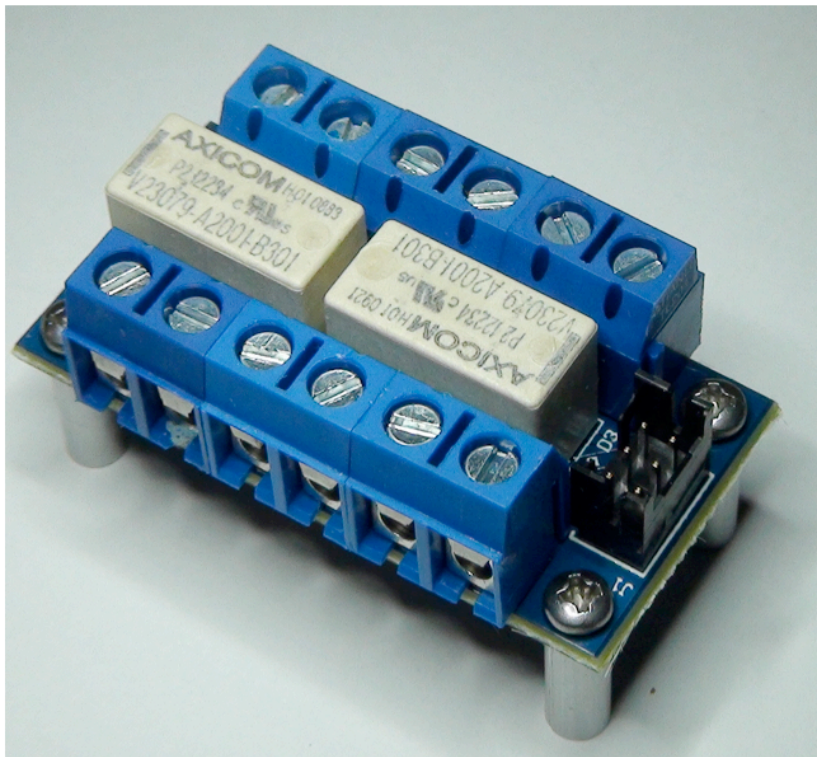


Figure 1 MK- 91648 DUAL SPDT Relay GPIO Control

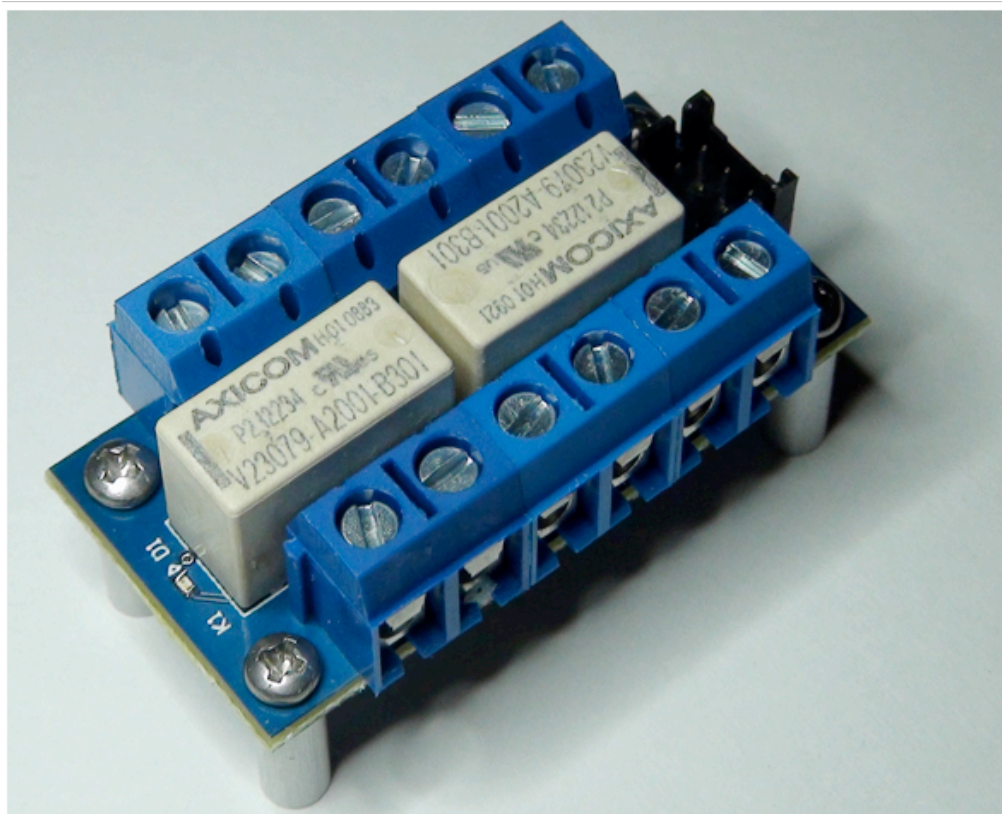


Figure 2 MK- 91648 DUAL SPDT Relay GPIO Control Another View

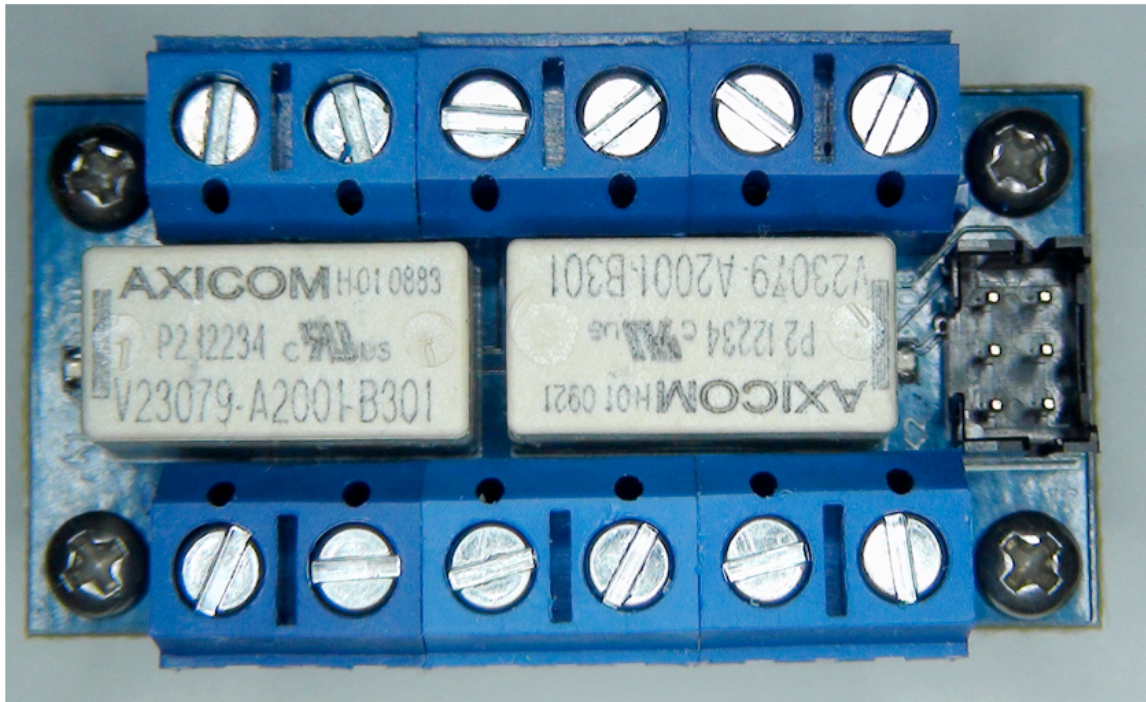


Figure 3 MK- 91648 DUAL SPDT Relay GPIO Control Top View

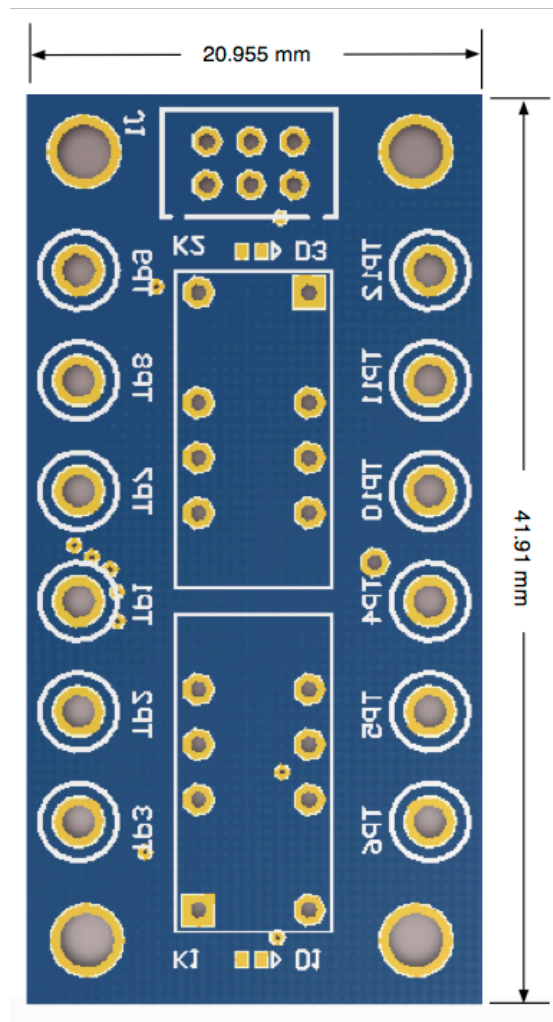


Figure 4 MK- 91648 Board Dimensions

2 6 Pin DF11 Hirose Connector for GPIO Control

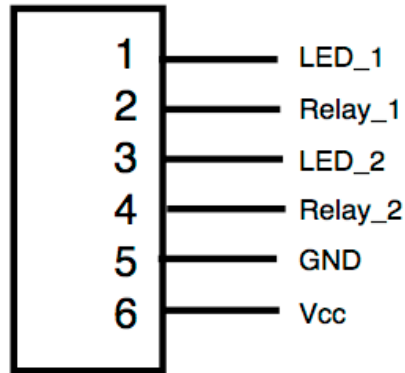


Figure 5 J1 6 Pin DF11 Series Hirose Connector for Relay and LED Control

3 Schematic

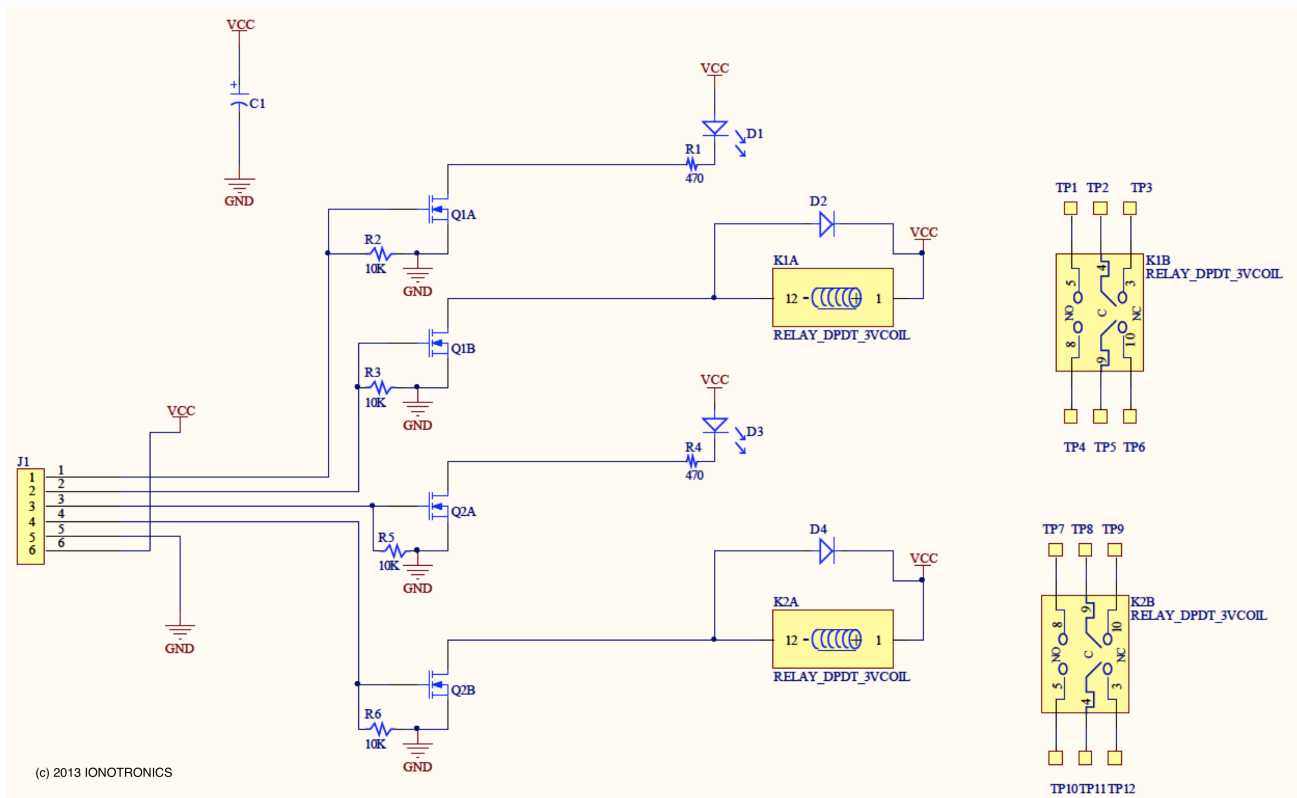


Figure 6 MK-91648 Dual SPDT Relay GPIO Control Schematic

4 Relay Terminals

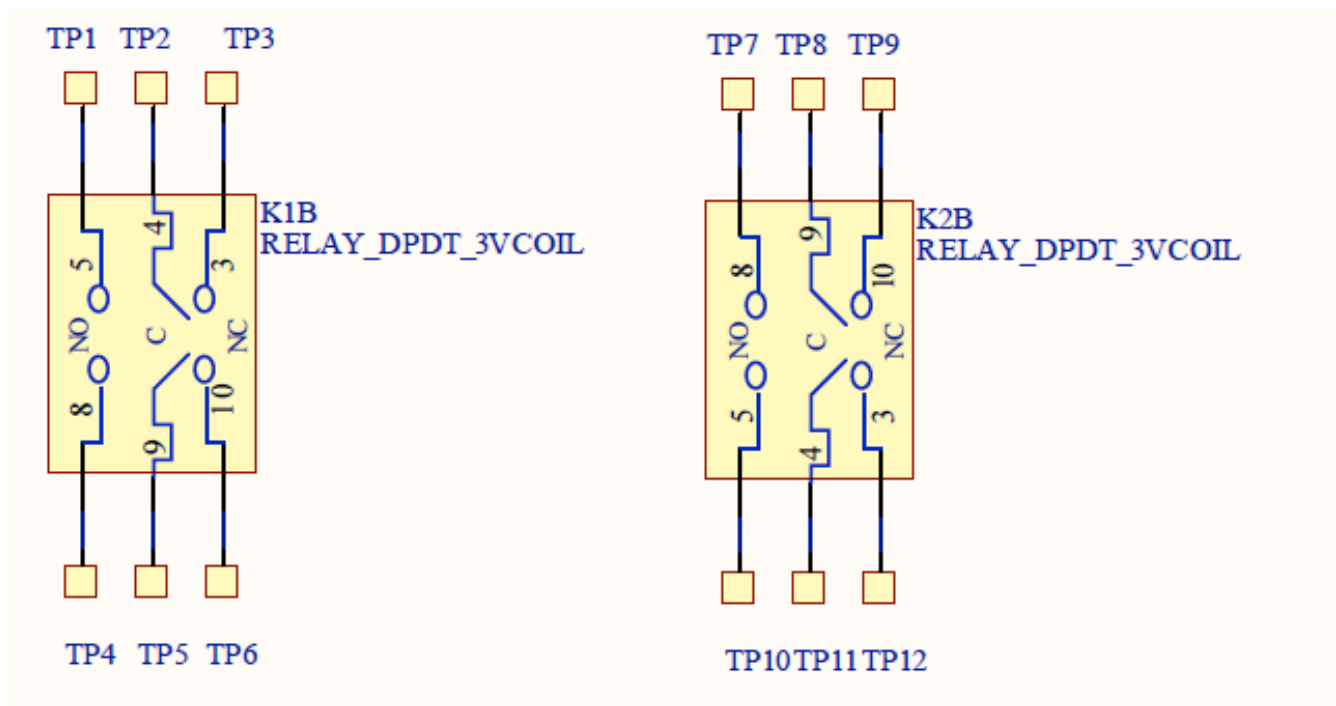


Figure 7 Relay Terminals Schematic

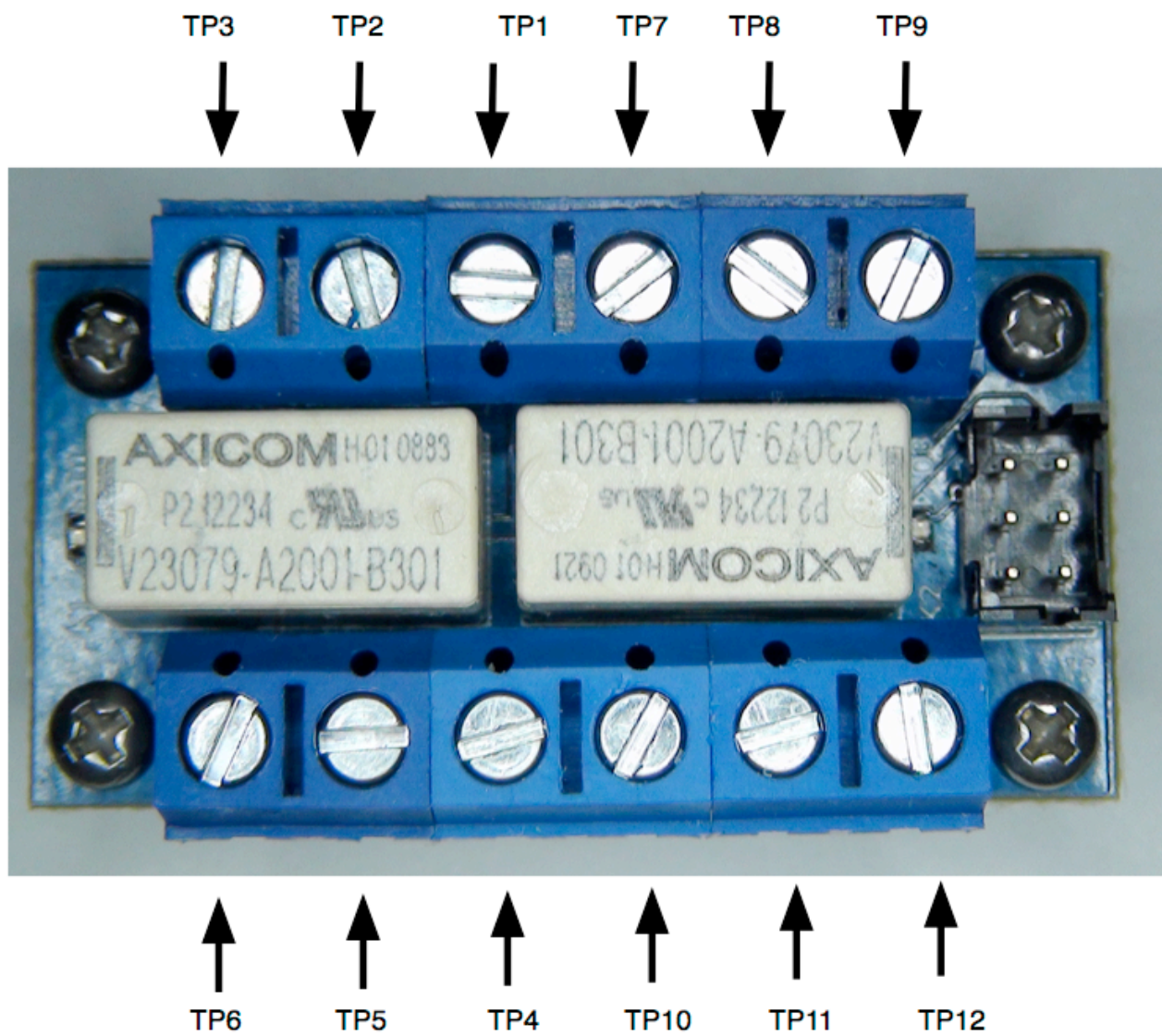


Figure 8 Relay Terminals

5 Appendix Hirose DF11 Series Connectors

Figure 11 shows a 12 pin Hirose DF11 Series connector. This is useful when building cabling systems. Note pin 1 marker and numbering scheme.

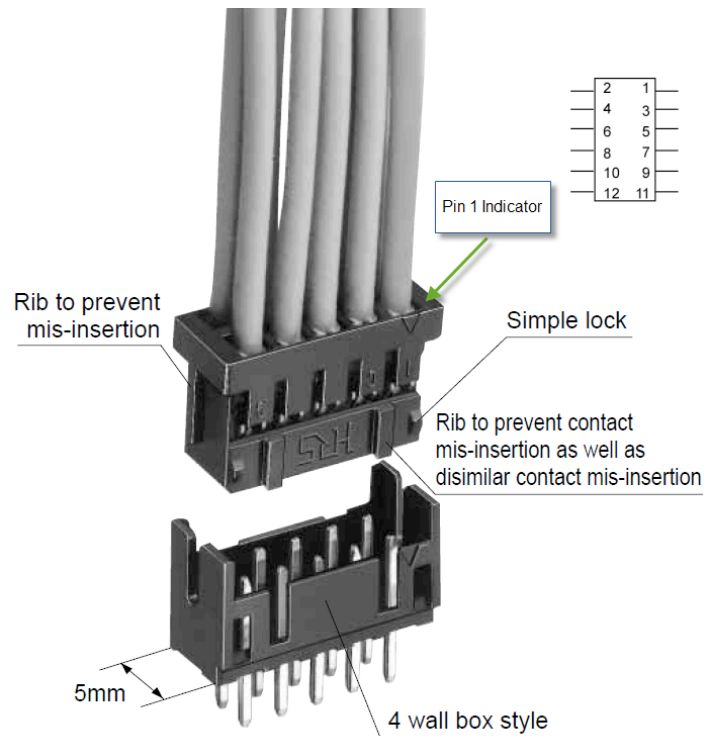


Figure 9 Guide to the Hirose DF11 series connector

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