

LDO 3.3V 4xI2C Connectors

MK-14308

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IONOTRONICS Corporation

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1 Introduction

The MK-14308 is a Voltage Regulator using an LDO with 6V to 5V regulation. The board provides four I2C 4 pin connectors that are bussed together. The I2C connectors can be used to provide 5V supply to various devices as well as I2C devices that are bussed.

The board has a switch and an LED to indicate that power has been applied.

As an example application the MK-14308 can provide I2C buss support for a Sabertooth PWM Motor control using two PIC16F1825 (MK-24316) I2C PWM slaves.

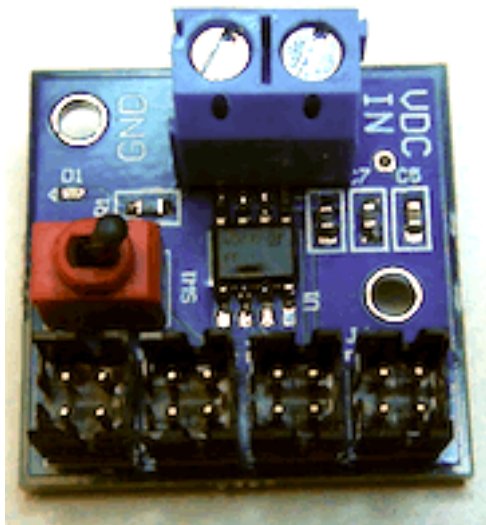


Figure 1 LDO 6V to 5V with 4x I2C Bus Support as Well as 4x 5V Power Source

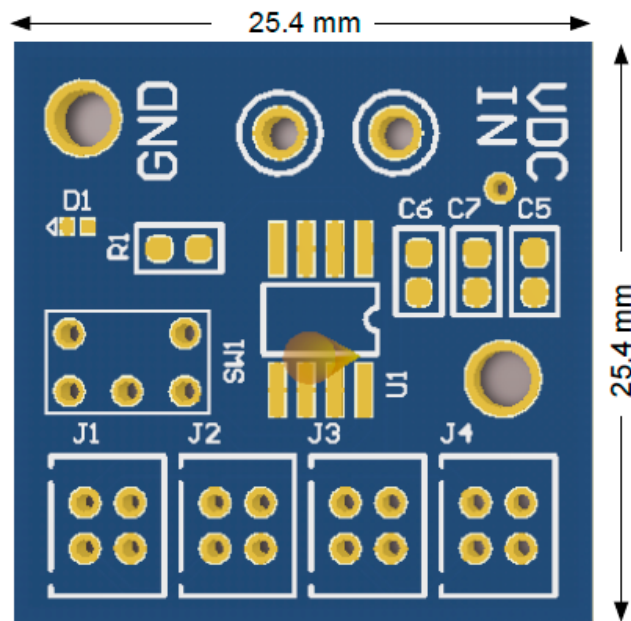


Figure 2 MK-14308 Board Dimensions

2 4 Pin DF11 Series Hirose Connector

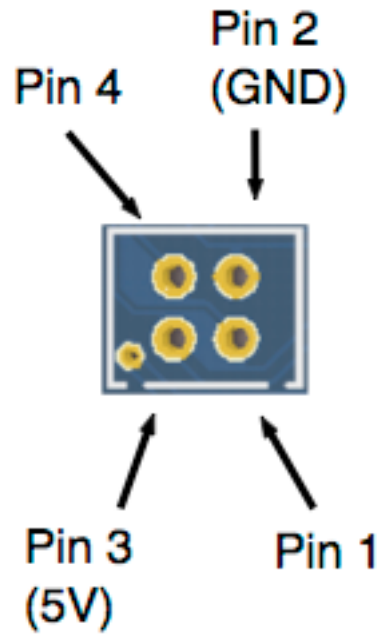
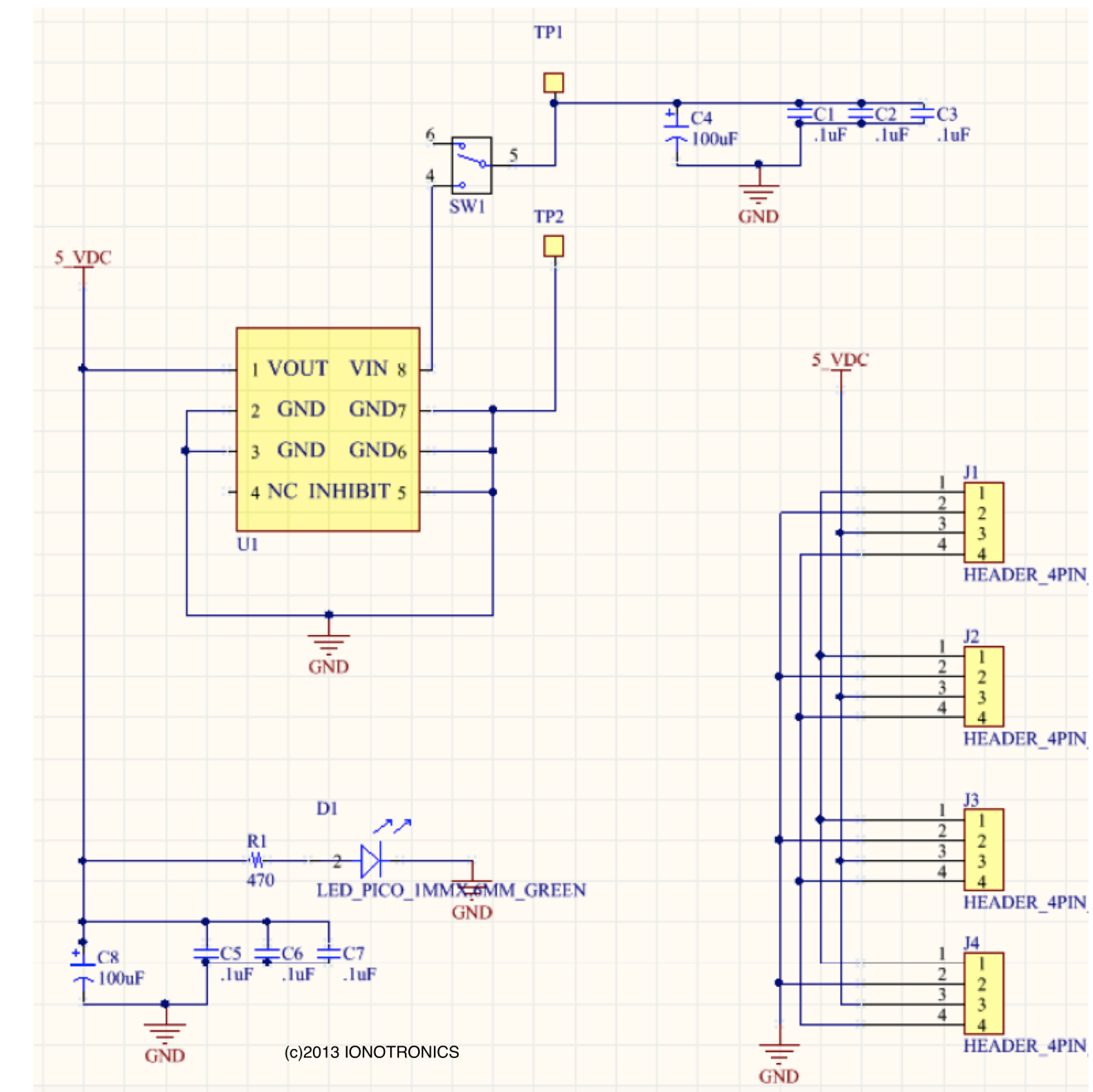


Figure 3 I2C 4 Pin DF11 Series Hirose Connector. Pin 3 is 5V and Pin 2 is GND



4 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.

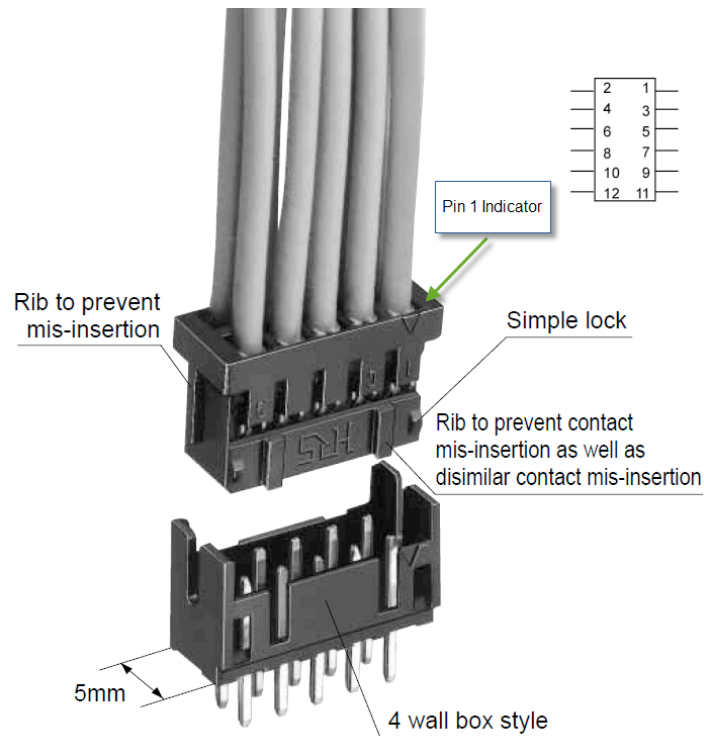


Figure 5 Guide to the Hirose DF11 series connector

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