

Prototype Board

MK-21479

December 31, 2012

IONOTRONICS Corporation

<http://www.ionotronics.com>

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1 Introduction

The MK- 21479 Prototype Board provides a path to interfacing the IONOTRONICS Hirose DF11 series connectors to a prototype area (matrix). The Prototype Board can also be used to map Hirose DF11 series connectors to 0.1" pitch 25 mil posts so that conventional circuits with 0.1" 24mil posts can be interfaced to IONOTRONICS devices (Arduino comes to mind).

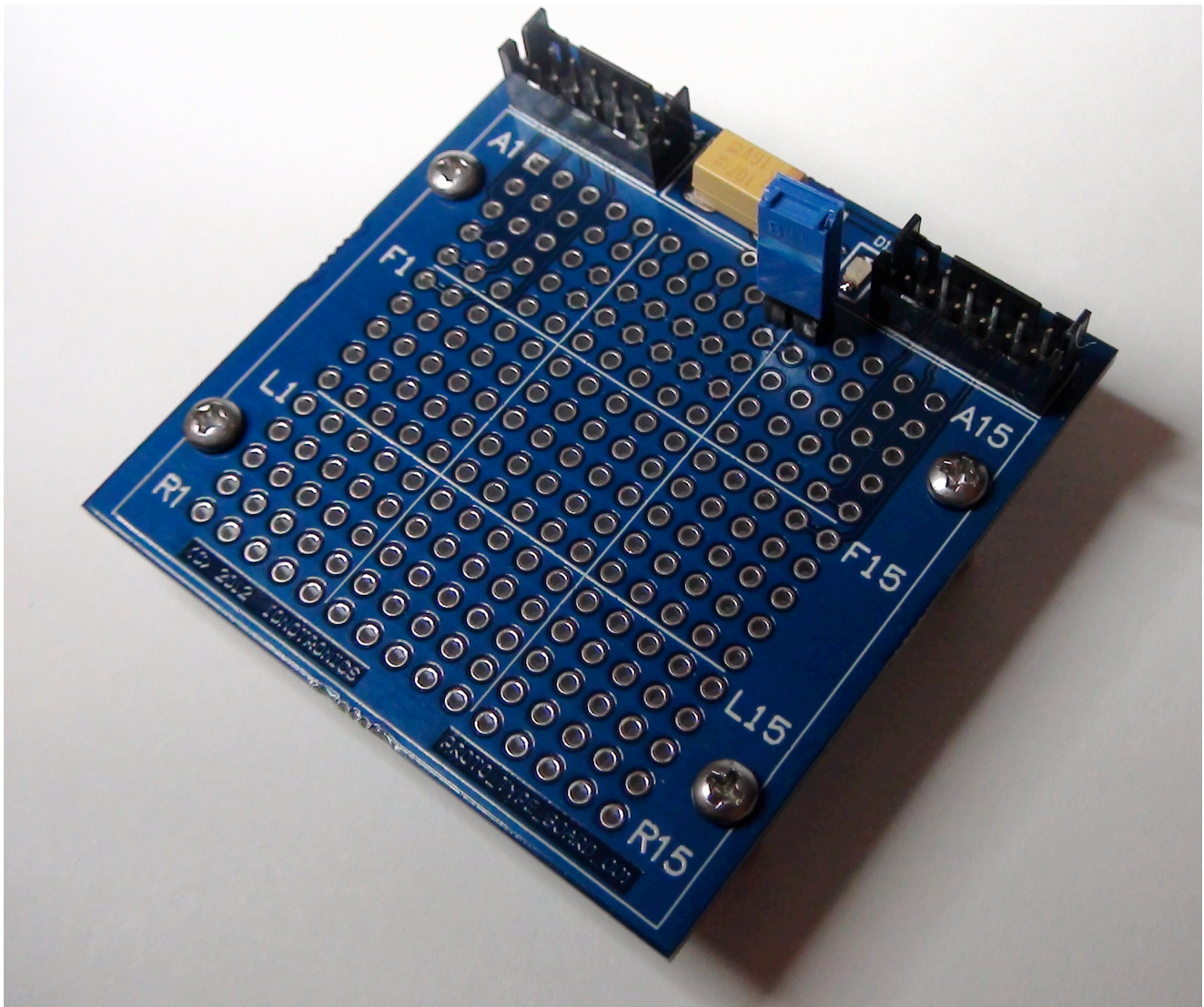


Figure 1 MK-21479 Prototype Board

2 Specifications

- Two 12 pin Hirose DF11 Series Connectors.
- 15x15 Matrix 0,1” Pitch
- VDD bypass capacitors.
- Ample ground and VDD connections.
- Four Mounting Holes
- LED for testing and other purposes.

3 Board Dimensions

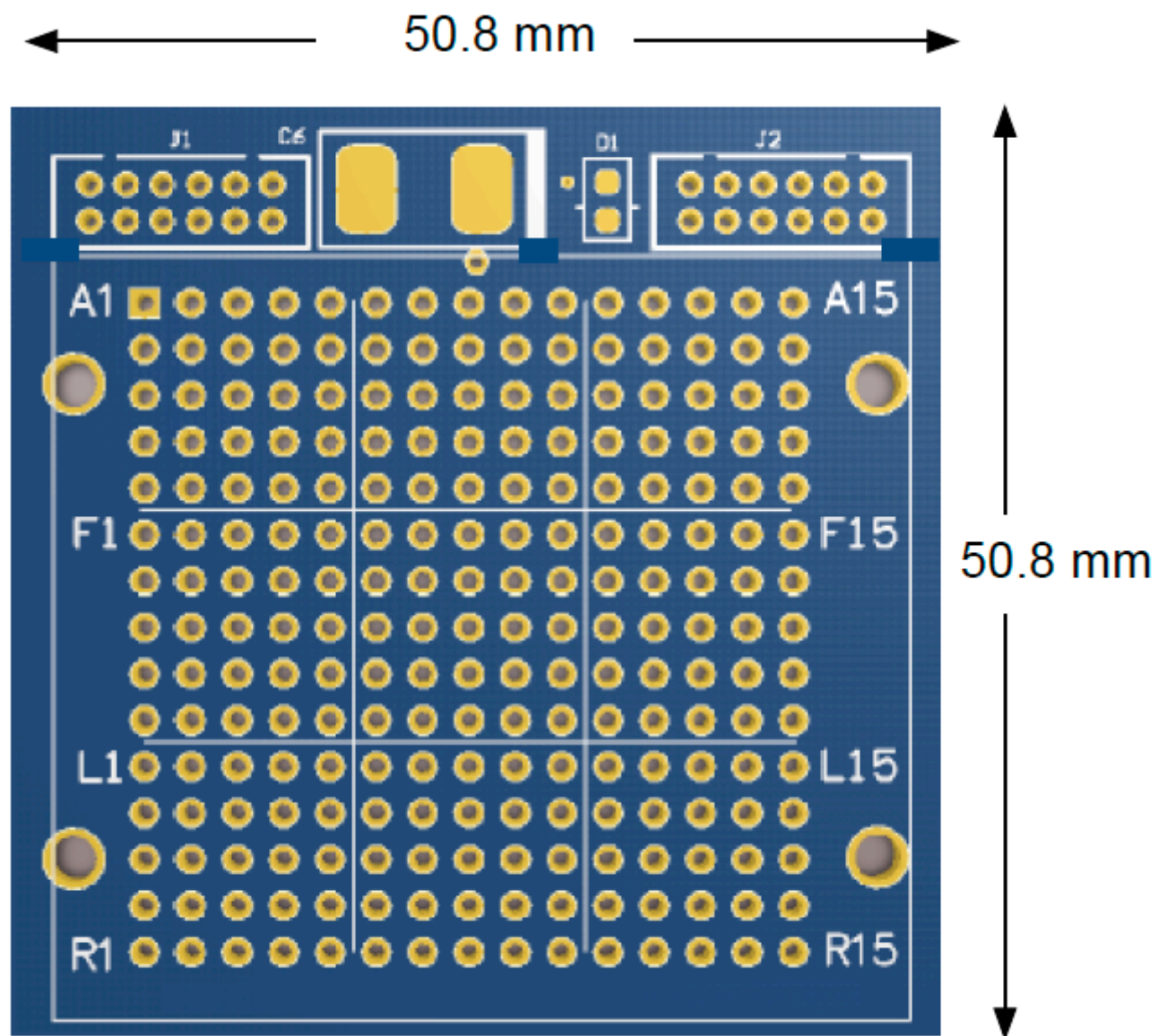


Figure 2 Board Dimensions

4 Pinouts

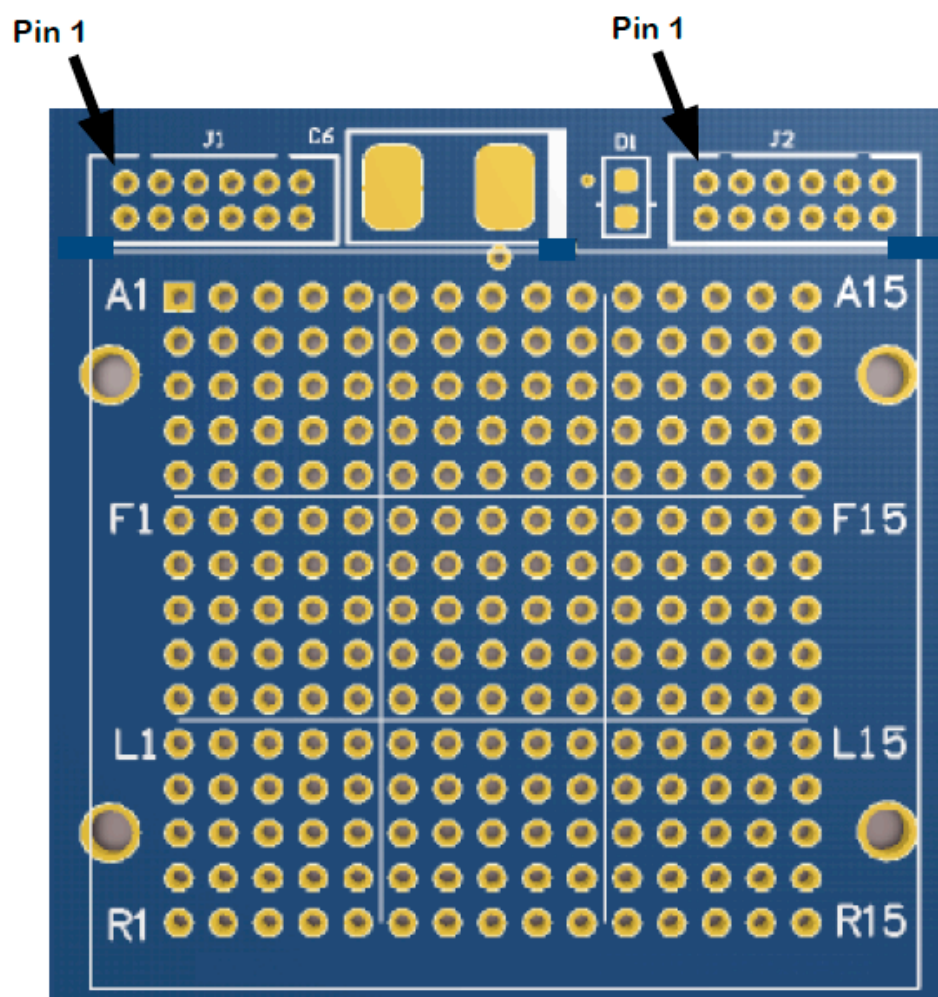


Figure 3 Pin 1 Designation

5 Schematic

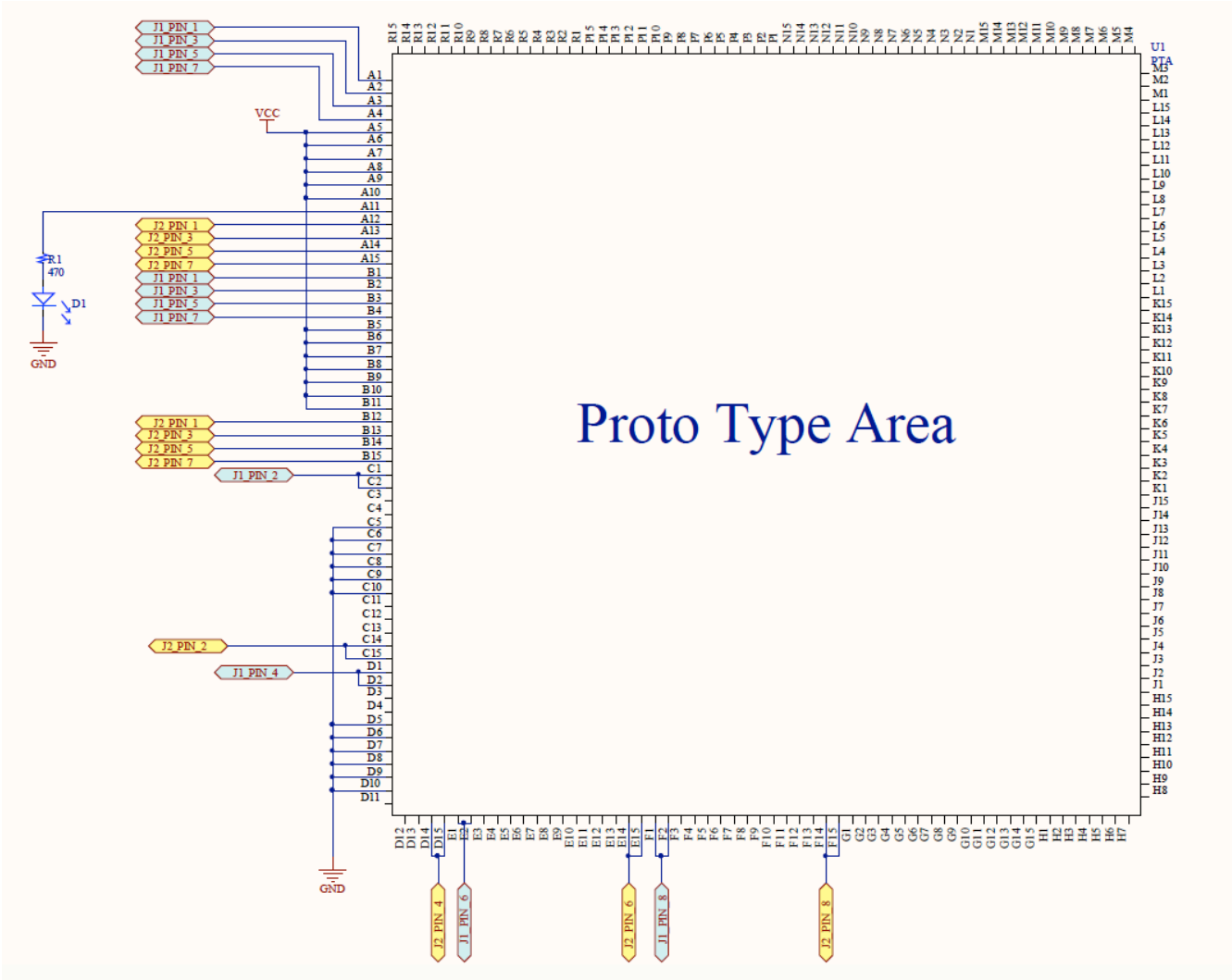


Figure 4 Schematic MK-21479 Prototype Area

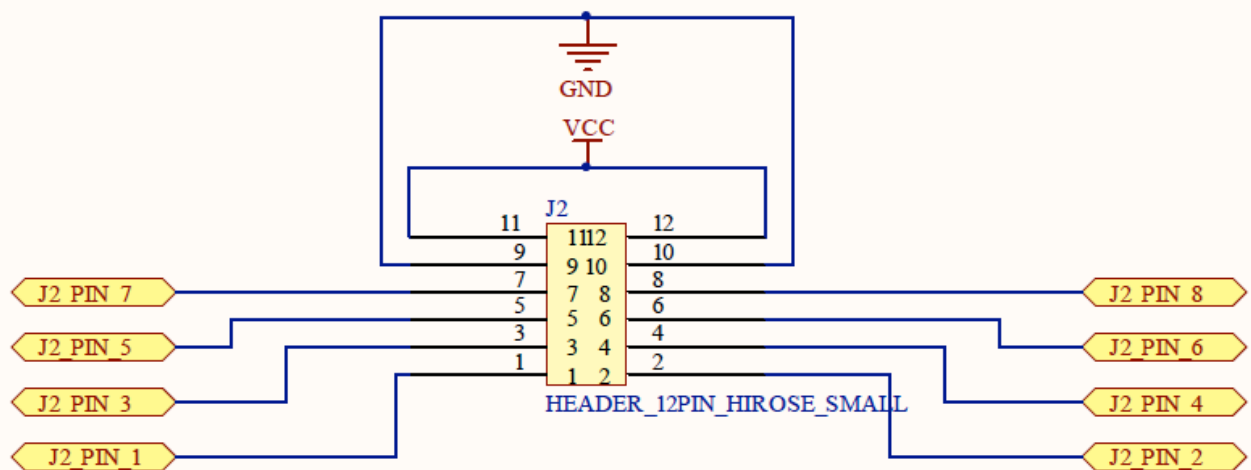
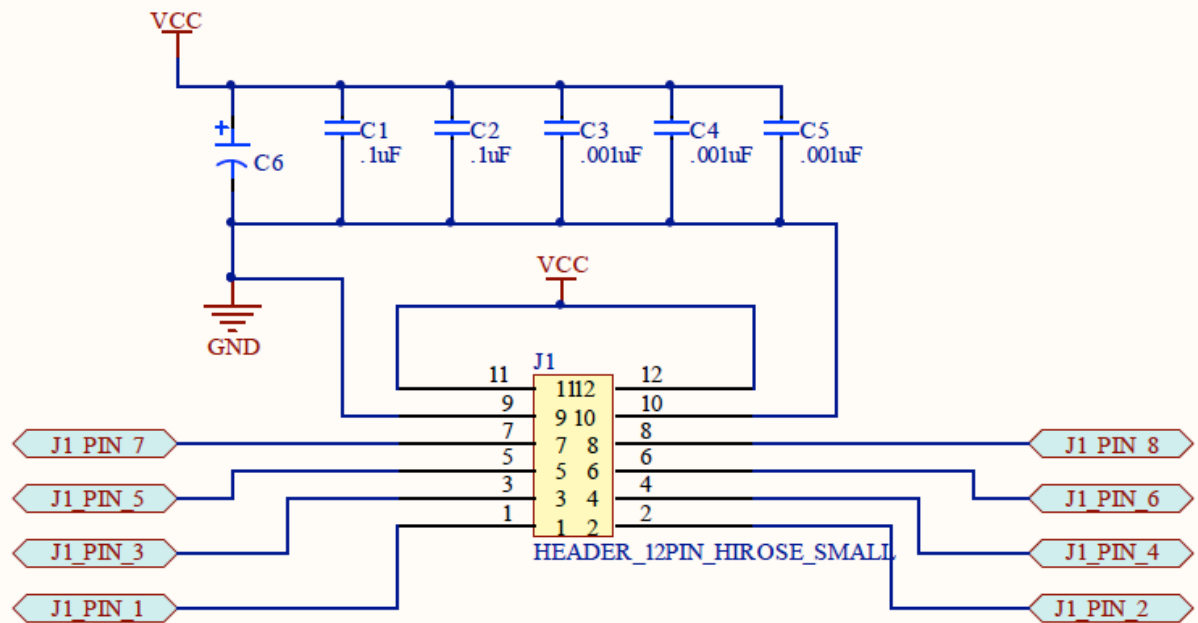


Figure 5 MK-21479 12 pin Hirose DF11 Connectors

6 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.

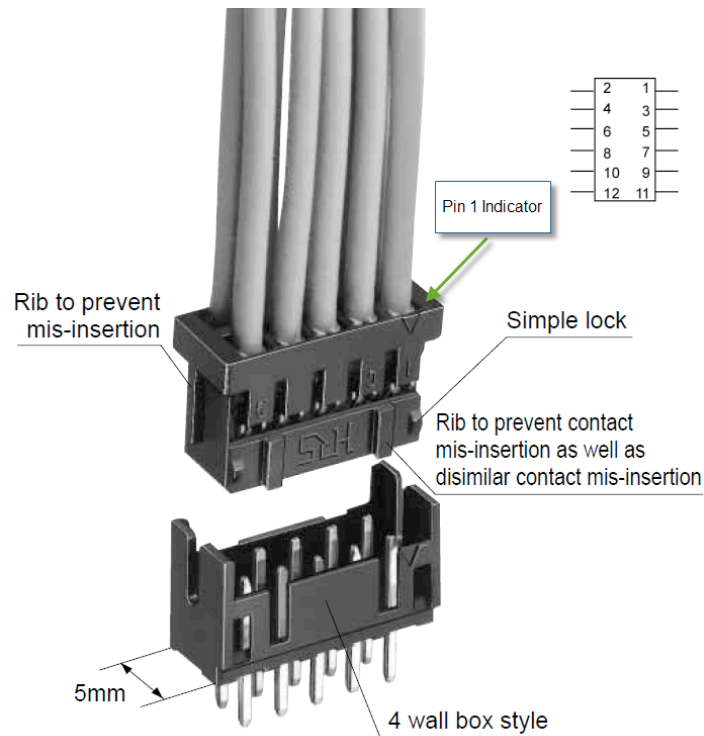


Figure 6 Guide to the Hirose DF11 series connector

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