

Debounce Switches and Color LEDS

MK-55857

December 26, 2012

IONOTRONICS Corporation

<http://www.ionotronics.com>

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1 Introduction

The 4 Debounce Switches provide for reliable switch input to electronic systems. Each switch has a status LED (green) showing switch position. The board has 4 LEDs (Red, Green, Yellow and Blue). Connection is through a 12 pin Hirose connector. There are 4 inputs and 4 outputs, two VDD (3.3V or 5V) and two Grounds. Power is supplied through the 12 pin Hirose connector. The additional ground and VDD are convenient for providing power to other devices.

2 Photo

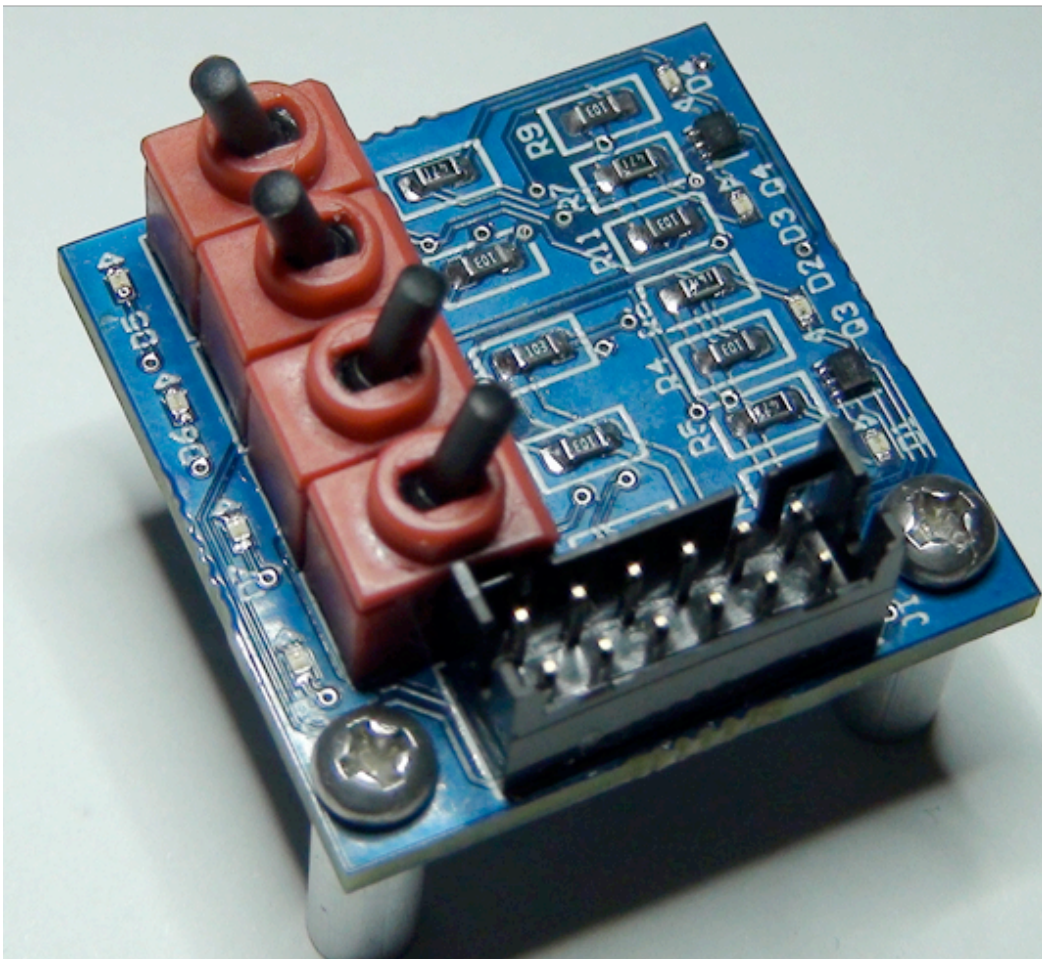


Figure 1 Photo MK-55857 4x Debounce Switch Color LEDs

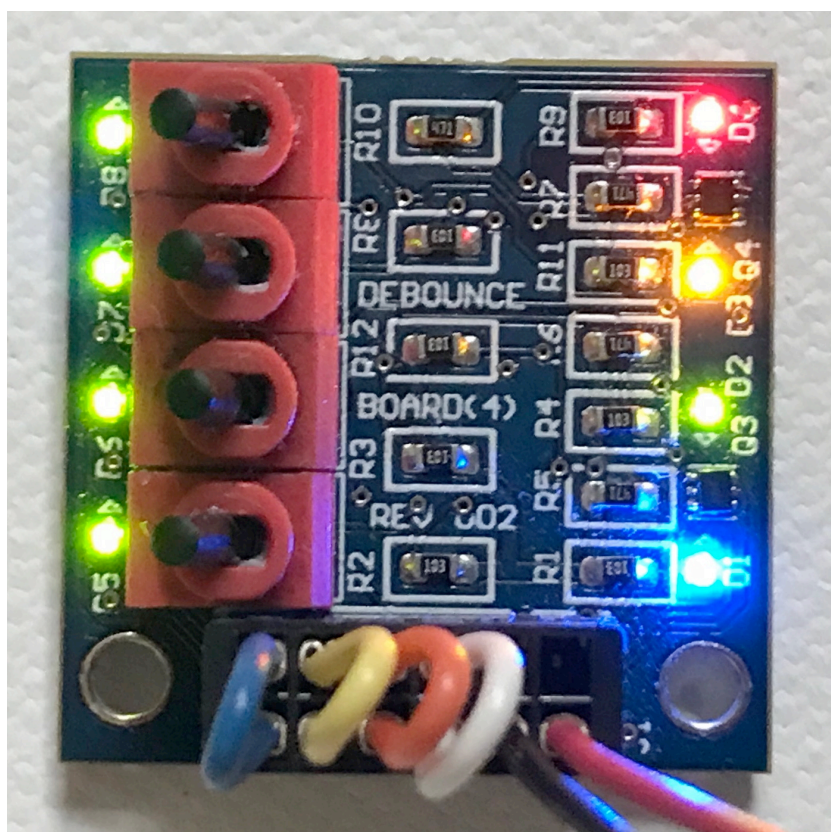


Figure 2 Loop Back test All On

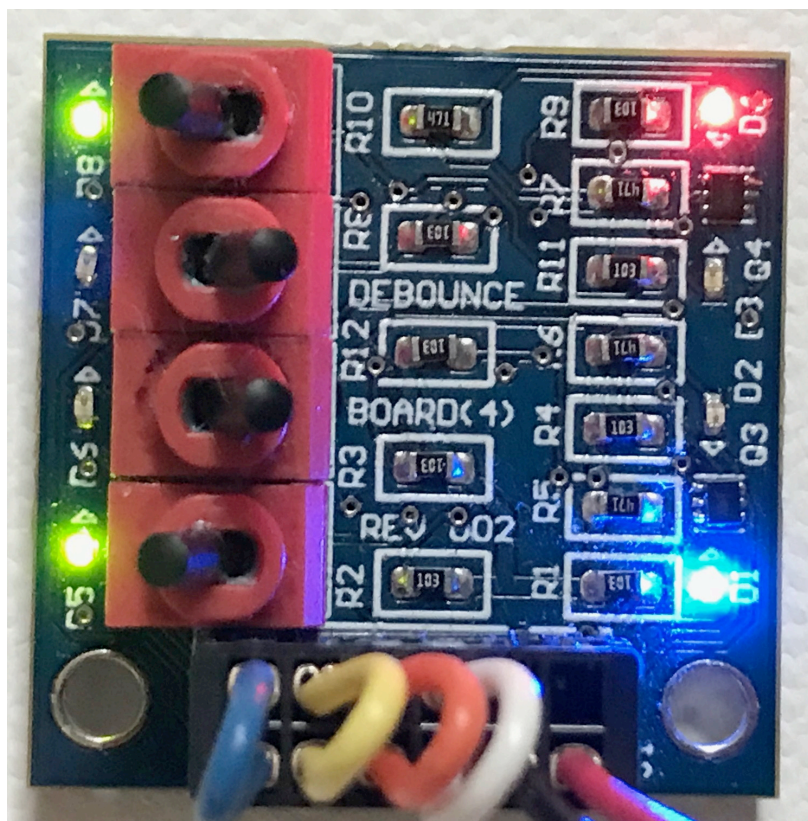


Figure 3 Loop Back Test Switch 0 and 3 On

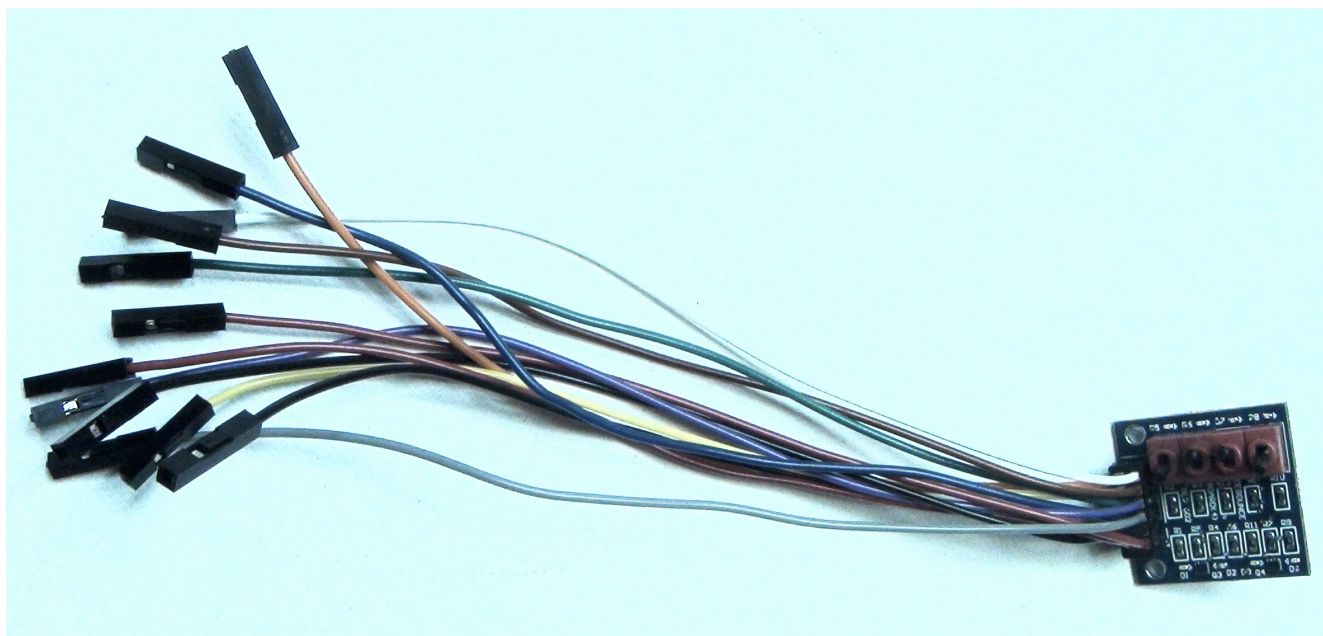


Figure 4 Mk-55857 with DF-11 to 25mil 0.1" Post Cable (MK-89808)

3 Size

The board is 2.54mm x 2.54 mm (1"x1").

4 Pinout

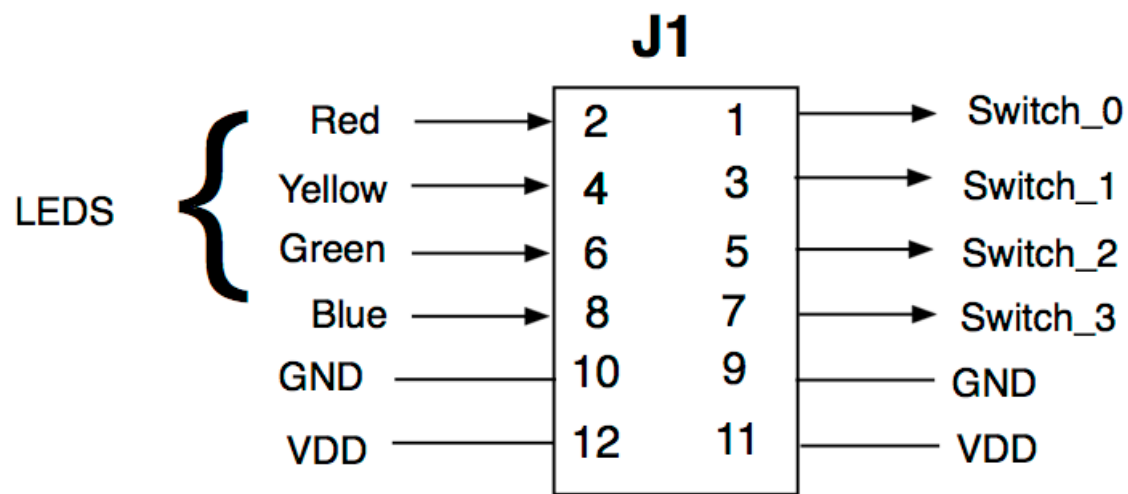


Figure 5 MK-55857 Pin Out

5 Schematic

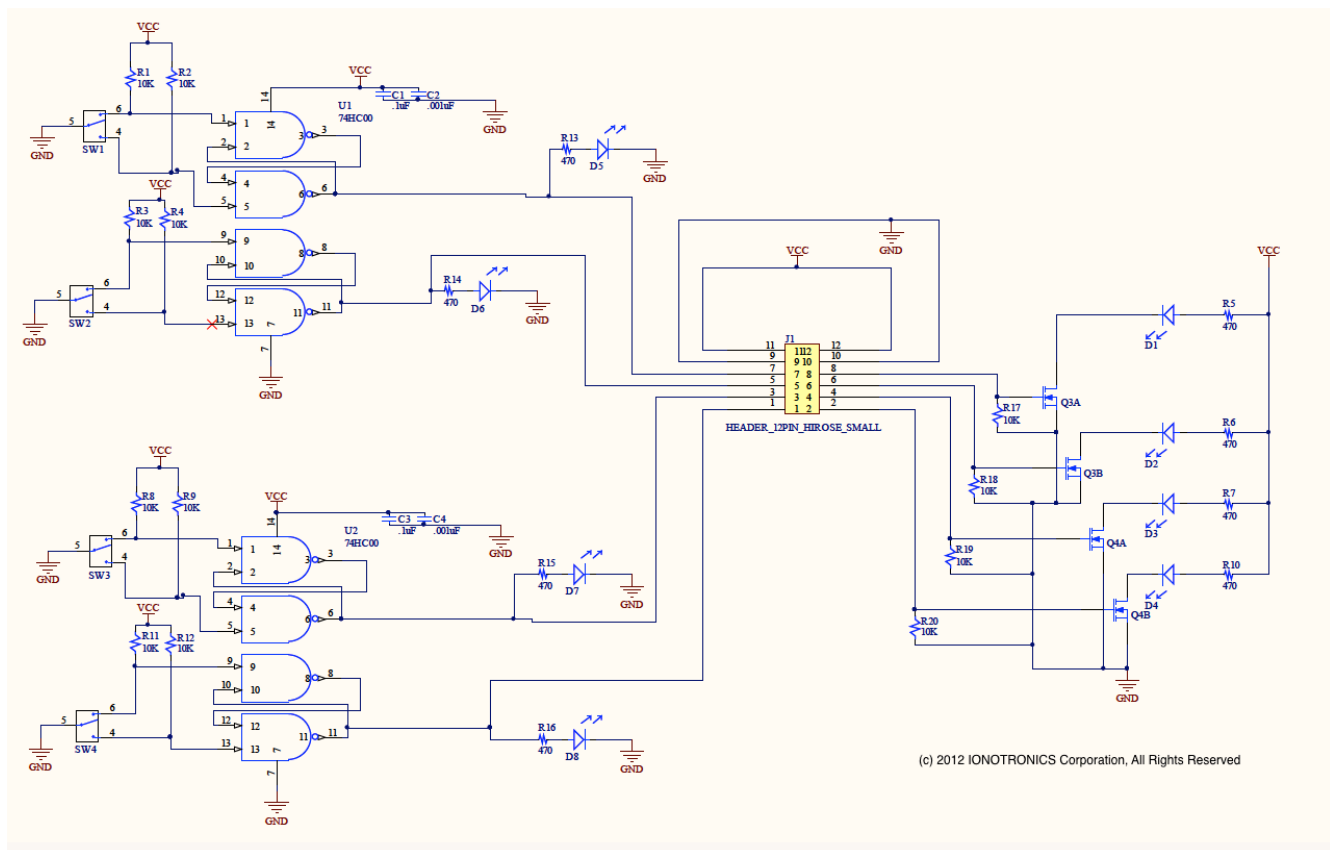


Figure 6 MK-55857 Schematic

6 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.

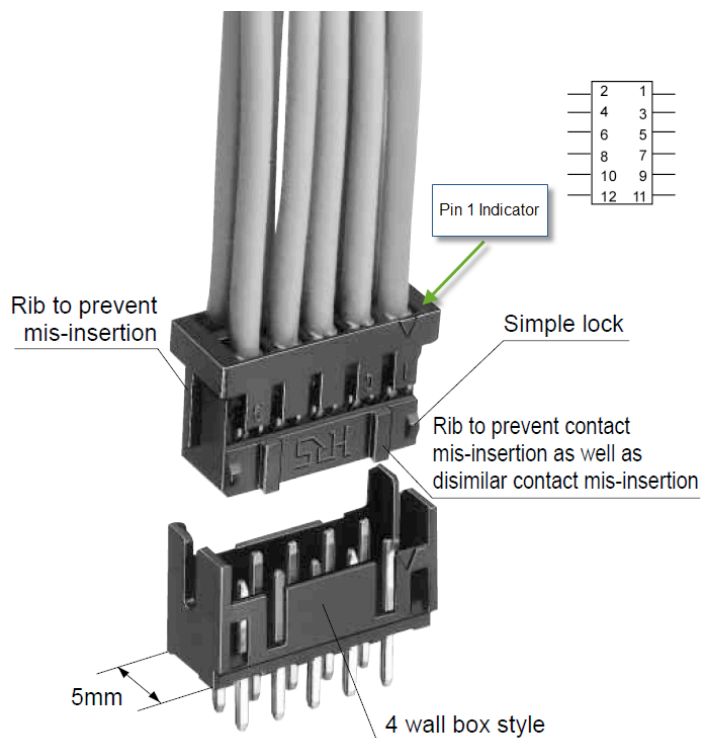


Figure 7 Guide to the Hirose DF11 series connector

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