

CHAPTER 1

INTRODUCTION

The 16 channels photo isolator input board for pocket 16 DI provides photo isolator input functions, which allow the input signals to be completely floated and prevent the ground loop.

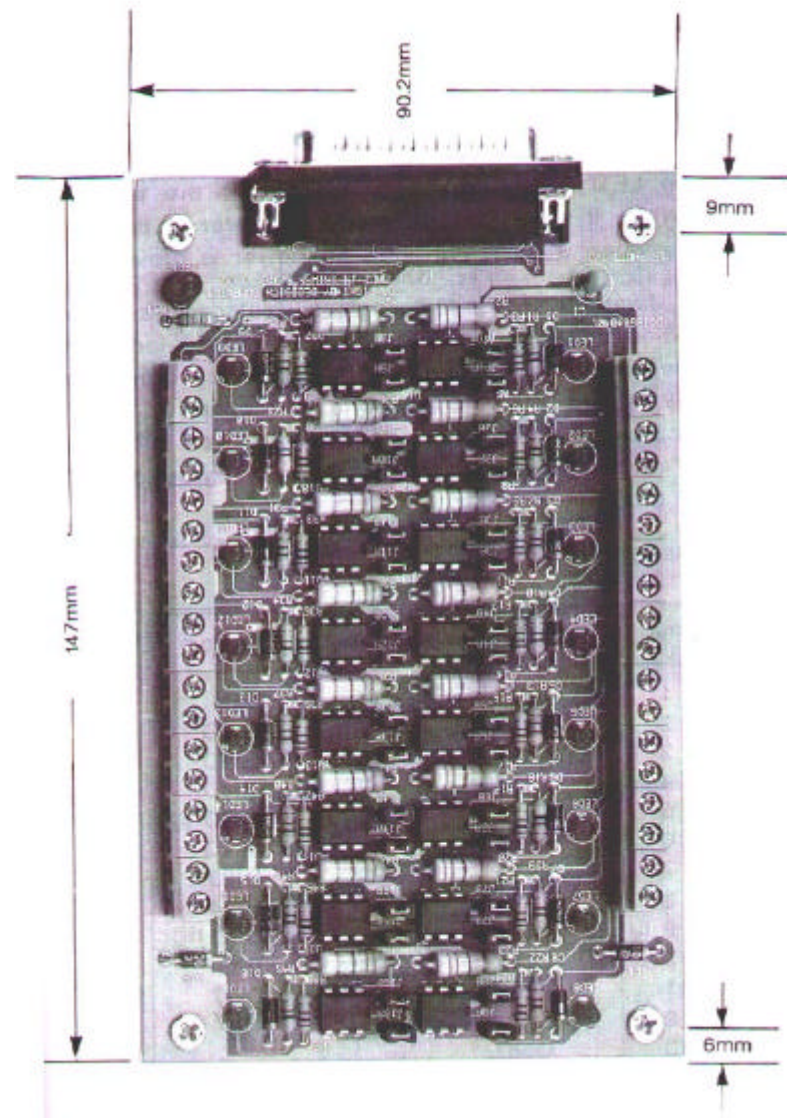
The features of 16 channels photo isolator input board are:

- Support 16 photo couple input channels.
- Breakdown voltage : AC/DC 500V minimum.
- Allow the photo input signals to be completely floated and prevent the ground loops.
- Input current : 80mA maximum for each isolated input.
- Input voltage : 15V DC maximum for each isolated input.
- LED indicates when corresponds channel is activated.
- Isolated or non-isolated modes selectable.
- Operating temperature 0 to 60 °C.
- Storage temperature -20 to 70 degree °C.

- Humidity 5% to 95% in non-condensing.

1. Terminal Board

The figure of pocket 16 DI terminal board is shown on the following page.



CHAPTER 2

HARDWARE CONFIGURATION

Before you use the terminal board, you must be sure to have this board plugged into pocket 16 DI box.

The LED17 in terminal board shows the power on status. When it turns to light, we have power to this board, otherwise when it does not light, no power is provided.

The Jumpers are used to select isolated or non-isolated mode, when open the jumpers, it sets to isolated mode, otherwise when short the jumpers, it sets to non-isolated mode. JP1A and JP1B correspond to channel 0, JP2A and JP2B correspond to channel 1, etc. When set to non-isolated mode, the IxL is short to system ground. (where x is the channel number)

5. Pin Assignment of TB2

Pin	Description
1	I20H
2	I20L
3	I21H
4	I21L
5	I22H
6	I22L
7	I23H
8	I23L
9	I24H
10	I24L
11	I25H
12	I25L
13	I26H
14	I26L
15	I27H
16	I27L
17	+5V
18	GND

APPENDIX A
WARRANTY INFORMATION

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