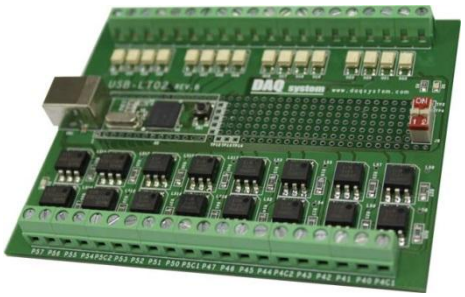
USB-LT02_B

Isolated 16ch/16ch IO module



INTRODUCTION

It is the product which it was easily developed so as usable to a control module through USB power. Specially, you don't need a separate driver because recognize it to HID(Human Interface Device) at Microsoft Windows.

GENERAL DESCRIPTION

- ◆ USB2.0 Full Speed device 12Mbps
- ◆ USB HID Interface
- ◆ User selective Board I.D (Max. 4)
- ◆ 4 clocks per Instruction cycle
- ◆ 16bit RISC Architecture up to 25MHz System Clock
- ◆ USB Bus Powered

APPLICATION

- ◆ Factory automation
- ◆ USB Data acquisition
- ◆ Simple I/O Control
- ◆ Remote control by PC
- ◆ Light Illumination control

SOFTWARE

▣ **Operating System**
- ▪ Windows 2000/XP/7/8/10 (32/64bit)

▣ **Application Programming Interface**
- ▪ Windows Client DLL API

▣ **Software Development**
- ▪ Windows Application by User
- ▪ Custom USB Device Firmware
- ▪ Custom Windows Client DLL

SPECIFICATION

▣ **Interface**
- ▪ USB Powered through USB-B connector MAX 500mA
- ▪ +5V Single Power Operation
- ▪ 16 Isolated Photo-coupler Input
- ▪ 16 Isolated Photo MOS Relay Output

▣ **External connection**
- ▪ 4pin USB B-type connector
- ▪ 28pin DIP form-factor Pin-out
- ▪ 6 Test Point
- ▪ 40 screw terminal

FEATURE

▣ **Input**
- ▪ Isolation by Photo-coupler
- ▪ No input polarity
- ▪ Input Range : 12 ~ 24V (P12-P17, P70-P71) (P60-P67)

▣ **Output**
- ▪ Isolation by Photo MOS Relay
- ▪ Four 350V/130mA Max. Output (P54-P57)
- ▪ Twelve 60V/400mA Max. Output (P50-P53) (P40-P47)
- ▪ No Output polarity (AC/DC controlled)

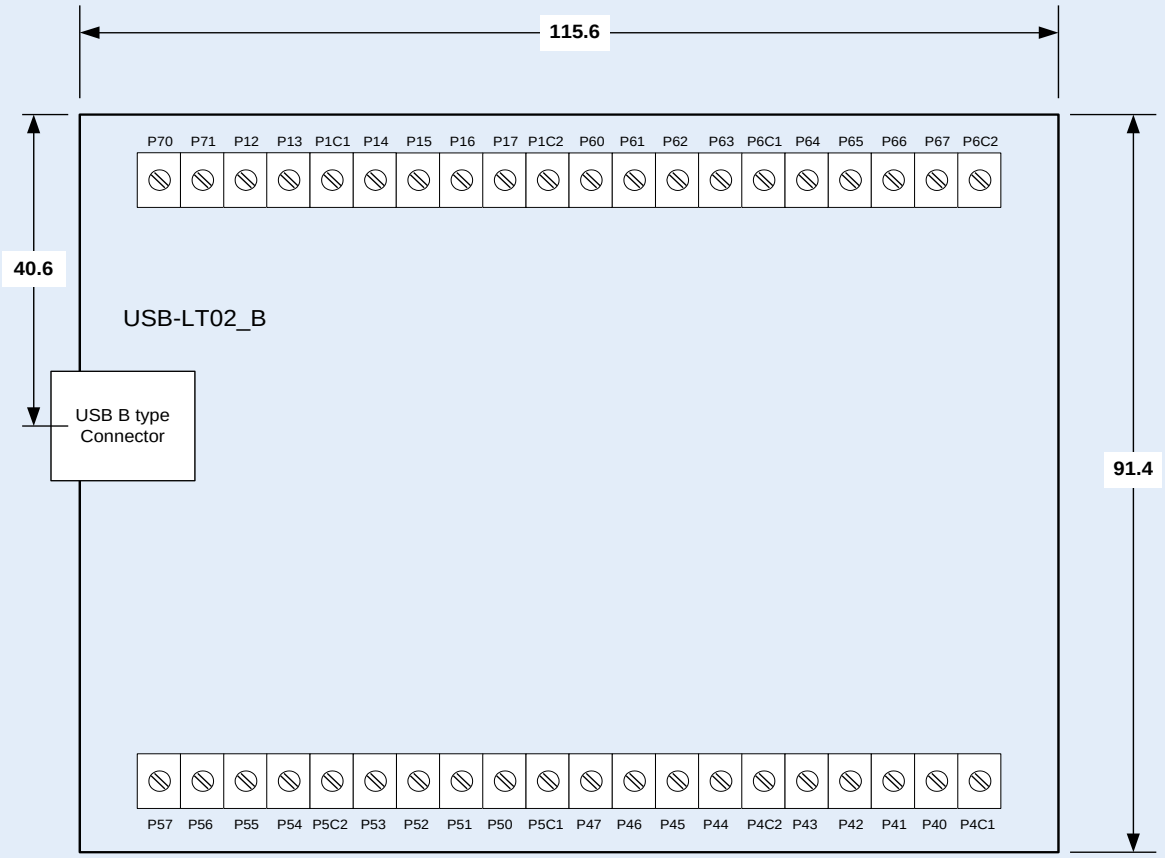
▣ **Temperature**
- 0 to 70℃, Operating
- -20 to 80℃ Storage

▣ **Relative Humidity**
- 20 to 80 percent, Non-condensing

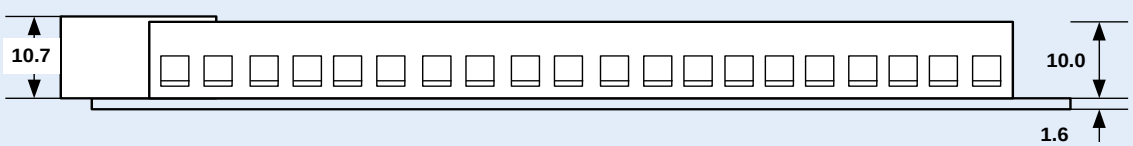
▣ **Power Requirement**
- +5VDC(±5%) at Max. 500mA

PHYSICAL/ENVIRONMENTAL

▣ **Dimensions**



< Top View >



< Right Side View >

BLOCK DIAGRAM