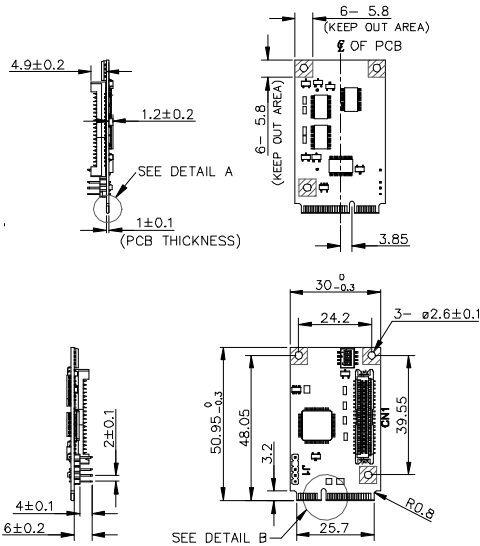


### Features

- 32bit digital I/O in 4 ports (each port 8bit)
- Programmable I/O
- Selectable VCCIO 3.3V or 5V by DIP switch
- Buffered I/O
  - (Output 5V, 32mA source, 32mA sink)
  - (Output 3.3V, 24mA source, 24mA sink)
- 4 external interrupts with rising/falling edge on port D
- Keep configuration after hardware reboot
- Supports 3rd mounting hole and USB Pin header for out-of-minicard installation
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Industrial temperature(-40 °C to 85 °C) operation
- 30μ" golden finger, 3-year warranty
- Industrial design, manufactured in Innodisk Taiwan

### Mechanical Drawing



DB37 Male Connector Pin Define

Signal	Pin	Pin	Signal
GND	20	1	GND
PA0	21	2	GND
PA1	22	3	PD0
PA2	23	4	PD1
PA3	24	5	PD2
PA4	25	6	PD3
PA5	26	7	PD4
PA6	27	8	PD5
PA7	28	9	PD6
PB0	29	10	PD7
PB1	30	11	PC0
PB2	31	12	PC1
PB3	32	13	PC2
PB4	33	14	PC3
PB5	34	15	PC4
PB6	35	16	PC5
PB7	36	17	PC6
GND	37	18	PC7
		19	GND

40DP-1.25 Connector Pin Define

Signal	Pin	Pin	Signal
GND	1	2	GND
PC7	3	4	PB7
PC6	5	6	PB6
PC5	7	8	PB5
PC4	9	10	PB4
PC3	11	12	PB3
PC2	13	14	PB2
PC1	15	16	PB1
PC0	17	18	PB0
PD7/INT3	19	20	PA7
PD6/INT2	21	22	PA6
PD5/INT1	23	24	PA5
PD4/INT0	25	26	PA4
PD3	27	28	PA3
PD2	29	30	PA2
PD1	31	32	PA1
PD0	33	34	PA0
GND	35	36	GND
GND	37	38	GND
+3.3V(Reserve)	39	40	+3.3V(Reserve)

### Specifications

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November 28, 2022

Form-Factor	mPCIe
Input I/F	USB 2.0
Output I/F	32bit Digital I/O
Output Connector	40pin 1.25mm (40DP-1.25 ) with DB37 male cable
Power Consumption	MAX : 0.175W (5V x 35mA; 3.3V x 53mA)
Dimension (WxLxH)	30 x 50.9 x 8.2 mm
Temperature	Operation: W/T: -40°C ~ +85°C Storage: -55°C ~ +95°C
Environment	Vibration: 5G @7~2000Hz, Shock: 50G @ 0.5ms
Notes	Please download driver and API(C code Library) from MyInnodisk website. Windows: XP(32bit), 7(32/64bit), 8/8.1(32/64bit), 10(32/64bit) Linux: Native CDC-ACM driver API Supports Windows and Linux.

### Order Information

**EMUI-0D01-W1**

USB to 32bit Digital I/O Module