

Termination Resistor Switch

CAN Cable Connector

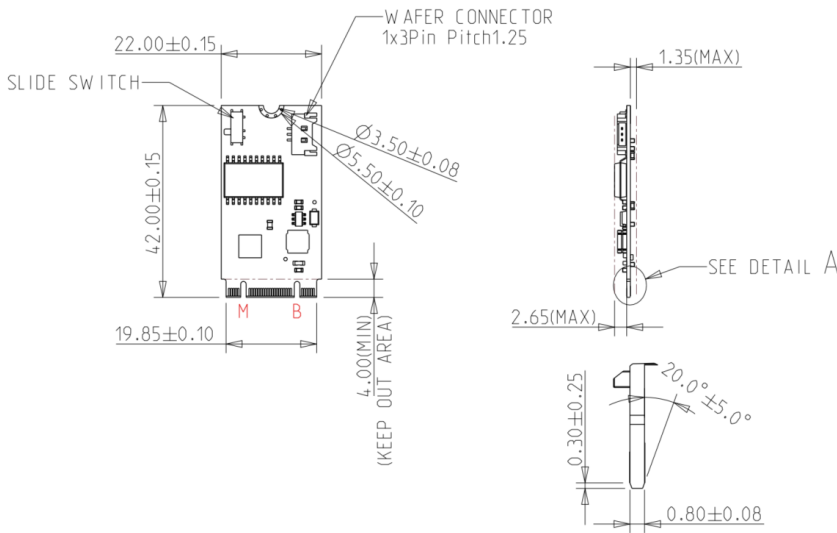


30cm DB9 Cable

### Features



- Compliant with PCI Express 1.1
- Meet the Requirements of the ISO 11898-1
- CAN bus 2.0B backward compatible with 2.0A
- Support baud rate 10/20/50/100/250/500/800/1000K
- Support CAN message acceptance filter
- Support Linux SocketCAN
- Support SAE J1939/CANopen high layer protocol (Optional)
- Compliant with IEC 60950-1:2005 + A1: 2009 + A2:2013 2.5kV HiPOT protection
- Compliant with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Termination resistor enabled/disabled by switch
- 30μ" golden finger, 3-year warranty
- Industrial Temperature (-40°C to +85°C) support
- Industrial design, manufactured in Innodisk Taiwan

### Mechanical Drawing



| 3pin CAN Connector Pin Define |       |
|-------------------------------|-------|
| 1                             | CAN-L |
| 2                             | CAN-H |
| 3                             | GND   |

| CAN DB9 Connector Pin Define |       |
|------------------------------|-------|
| 1                            | NC    |
| 2                            | CAN-L |
| 3                            | GND   |
| 4                            | NC    |
| 5                            | NC    |
| 6                            | NC    |
| 7                            | CAN-H |
| 8                            | NC    |
| 9                            | NC    |

| Slide Switch (Termination Resistor) |                                                                                               |
|-------------------------------------|-----------------------------------------------------------------------------------------------|
| 1                                   | Enable   |
| 3                                   | Disable  |

### Specifications

|                   |                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form-Factor       | M.2 2242 B-M                                                                                                                                                               |
| Input I/F         | PCI Express 1.1                                                                                                                                                            |
| Output I/F        | CANbus 2.0B                                                                                                                                                                |
| Output Connector  | DB-9 x 1                                                                                                                                                                   |
| Power Consumption | MAX: 2.5W (3.3V, 742mA)                                                                                                                                                    |
| Dimension (WxLxH) | 22 x 42 x 4.8 mm                                                                                                                                                           |
| Temperature       | Operation: W/T: -40°C ~ +85°C<br>Storage: -55°C ~ +95°C                                                                                                                    |
| Environment       | Vibration: 5G @7~2000Hz, Shock: 50G @ 0.5ms                                                                                                                                |
| Notes             | Download driver and API from MyInnodisk website.<br>Windows: 7(32/64bit), 8/8.1(32/64bit), 10(32/64bit)<br>Linux: SocketCAN driver from Kernel 2.6.38 and above (32/64bit) |

### Order information

#### EGPC-B1S1-W1 (CAN 2.0B)

M.2 2242 to single isolated CANbus 2.0B module

#### EGPC-B1S1-W2 (J1939/CANopen)

M.2 2242 to single isolated J1939/CANopen module

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October 3, 2022