# I-5534-M CAN bus Switch Module
# Quick Start User Guide

## 1.    Introduction

This Quick Start User Guide introduces users how to use the I-5534-M module to their application quickly. Therefore, it is only provided with the basic instructions. For more detail, please refer to the I-5534-M manual in the ICPDAS CD-ROM. Users can also download the manual from the ICPDAS web site:

http://www.icpdas.com/root/product/solutions/industrial_communication/fieldbus/can_bus/repeater/i-2534_i-5534-m.html

This Quick Start guilds you quickly to familiarize yourself with the I-5534-M module. Here, we use an example to show how to use the I-5534-M.

## 2.    CAN bus Pin Assignment

| Port | Pin | Description |
|------|-----|-------------|
| CAN1 | 2 | CAN_Low |
|      | 3 | CAN_Ground |
|      | 5 | CAN_Shield |
|      | 7 | CAN_High |
| CAN2 | 2 | CAN_Low |
|      | 3 | CAN_Ground |
|      | 5 | CAN_Shield |
|      | 7 | CAN_High |
| CAN3 | 2 | CAN_Low |
|      | 3 | CAN_Ground |
|      | 5 | CAN_Shield |
|      | 7 | CAN_High |
| CAN4 | 2 | CAN_Low |
|      | 3 | CAN_Ground |
|      | 5 | CAN_Shield |
|      | 7 | CAN_High |
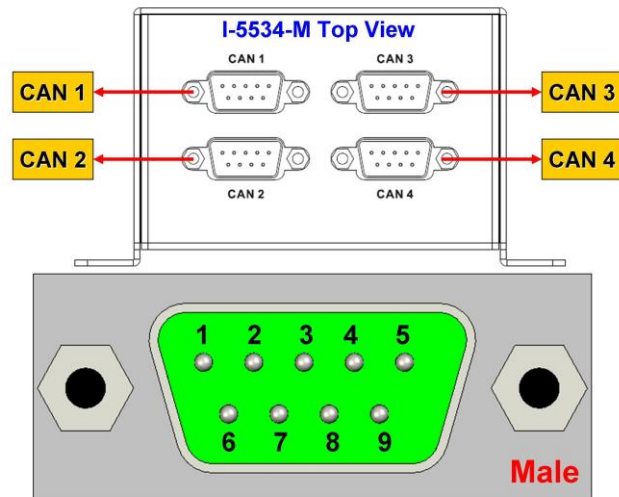
## 3. Power & RS-232 Pin Assignment
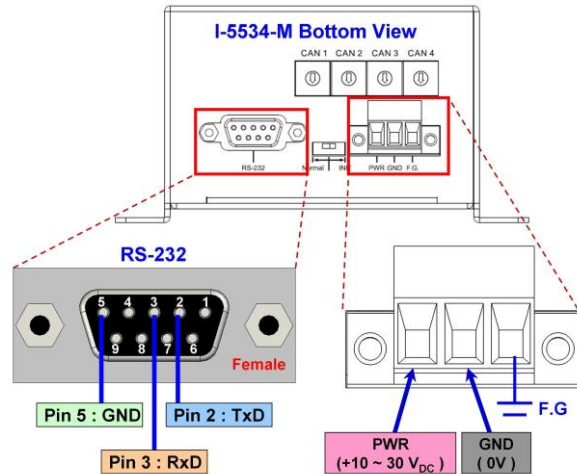


| Name | Description |
|------|-------------|
| TxD | RS-232 TXD pin of the I-5534-M. Connect to the PC's RxD pin. |
| RxD | RS-232 RXD pin of the I-5534-M. Connect to the PC's TxD pin. |
| GND | RS-232 GND pin of the I-5534-M. Connect to the PC's GND pin. |

| Name | Description |
|------|-------------|
| PWR | Voltage Source Input. $+10V_{DC} \sim +30V_{DC}$. |
| GND | Power Ground. |
| F.G | Frame Ground. |

## 4. Indicator LED
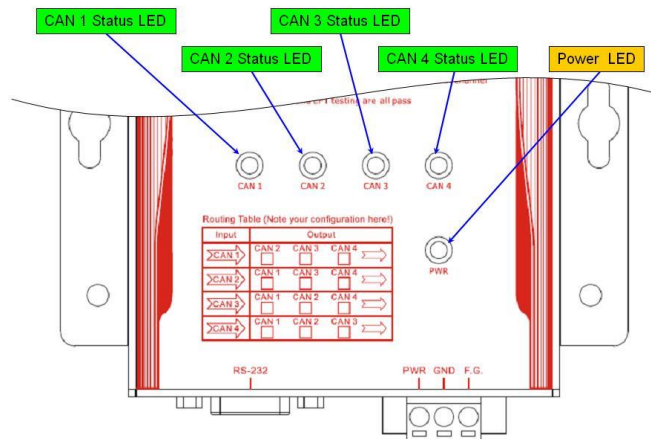


| Name | LED Color | Description |
|------|-----------|-------------|
| PWR | OFF | The I-5534-M has no power. |
| | Red | The I-5534-M has power. |

| Name | LED Color | CAN Status Description |
|------|-----------|----------------------|
| CAN1 CAN2 CAN3 CAN4 | OFF | The CAN port does not transmit or receive message now. |
| | Green | The CAN port is transmitting or receiving message now. |
| | Red | The CAN port have some errors when transmitting message. |

## 5. CAN bus Terminal Resistor & DIP-Switch
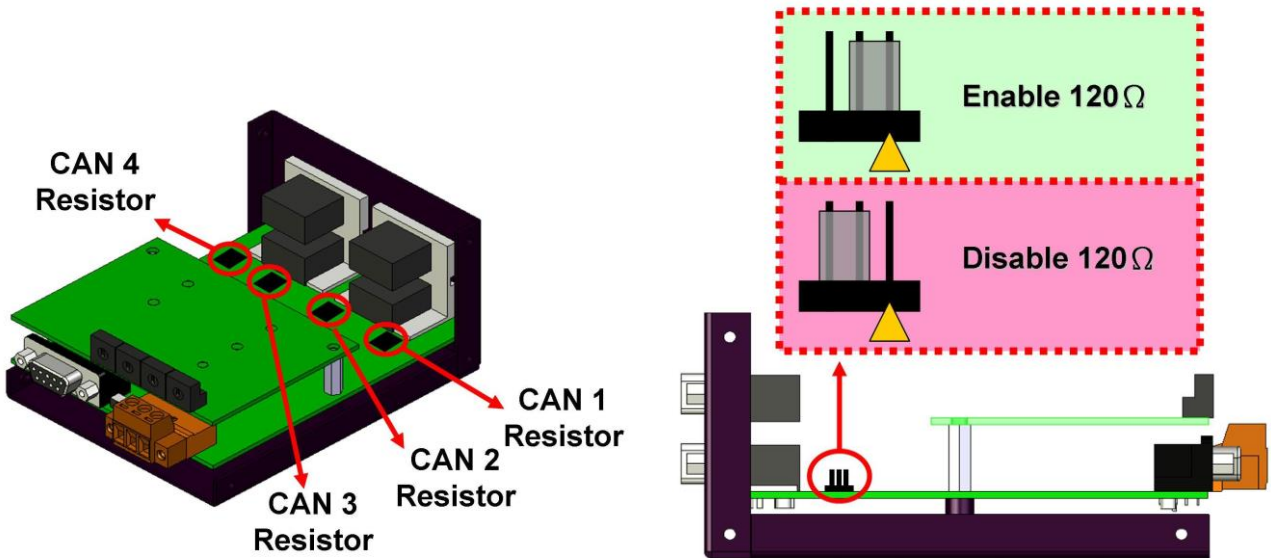


## 6. Rotary Switch & CAN Baud Rate

| Switch Value | CAN bus Baud Rate |
|---|---|
| 0 | 5 kbps |
| 1 | 10 kbps |
| 2 | 20 kbps |
| 3 | 33.3 kbps |
| 4 | 50 kbps |
| 5 | 62.5 kbps |
| 6 | 83.3 kbps |
| 7 | 100 kbps |
| 8 | 125 kbps |
| 9 | 250 kbps |
| A | 500 kbps |
| B | 800 kbps |
| C | 1 Mbps |
| D | User-defined baud rate. |
| E~F | Not-available |
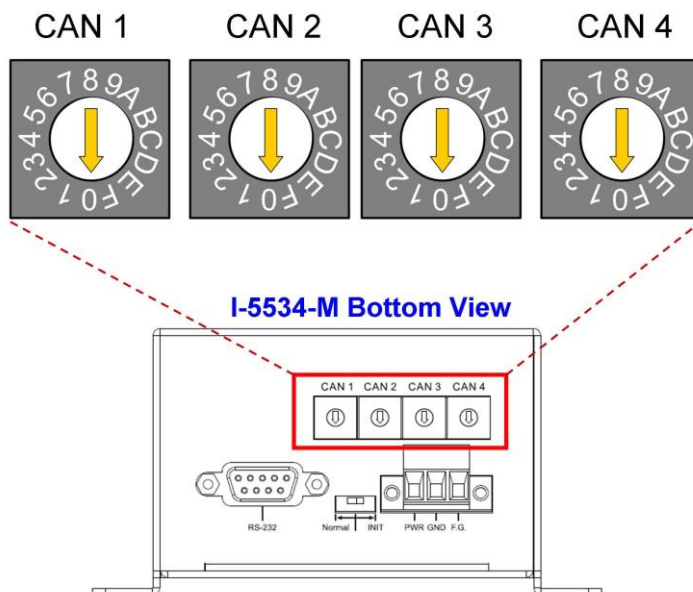
## 7.    Normal / Initial Mode Switch

In general usage, the users should make switch at the "Normal" position.

| Mode Name | The I-5534-M Status Description |
|---|---|
| Normal | The I-5534-M is in the normal mode. |
| Initial | The I-5534-M is in the configurable status. The users could use the "I2534_I5534M_Utility" to configure the route path, CAN filter or user-defined CAN baud rate.<br>In the initial mode, the CAN1 LED ~ CAN4 LED will be all twinkling every 1 second. |
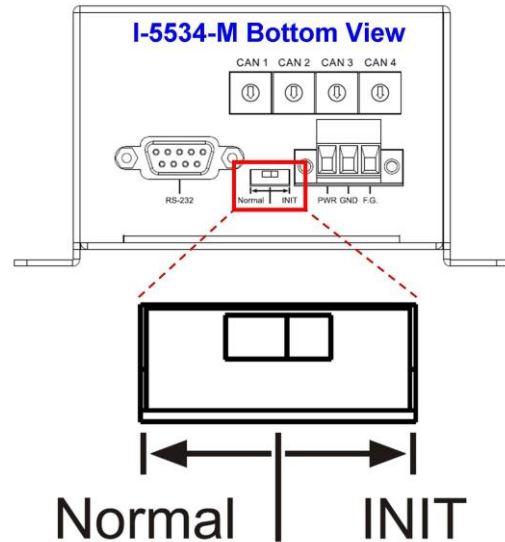
## 8.    Configuring the Route Path, User-defined Baud Rate, CAN-ID Mapping

Users can configure the route path and user-defined baud rate of each CAN channel. We provide the "I2534_I5534M_Utility" to set these configurations into the I-5534-M module. They can get the software utility from the product CD or website.

Mail to service@icpdas.com if you have any questions.