MA112
Application Note

USB Vendor ID : 0x0E6A

USB Product ID : 0x0122

Version: 1.01

This document contains information on a new product under development by Megawin.
Megawin reserves the right to change or discontinue this product without notice.
© Megawin Technology Co., Ltd. 2018 All rights reserved.

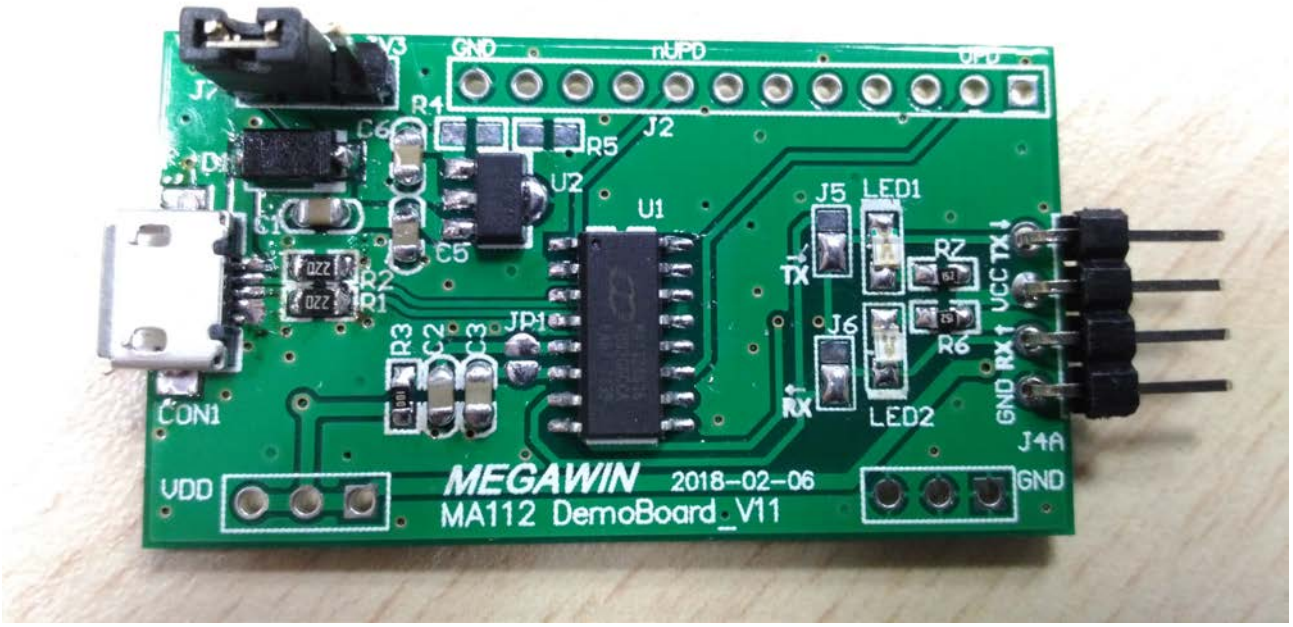
List of Contents

List of Contents 3
1 Demo Board 4
1.1 Whole Picture 4
1.2 Demo Board Hardware Instruction 5
1.3 Demo Board Circuit 6
2 Driver Install 7
3 Revision History 10
4 Disclaimers 11

1 Demo Board

1.1 Whole Picture

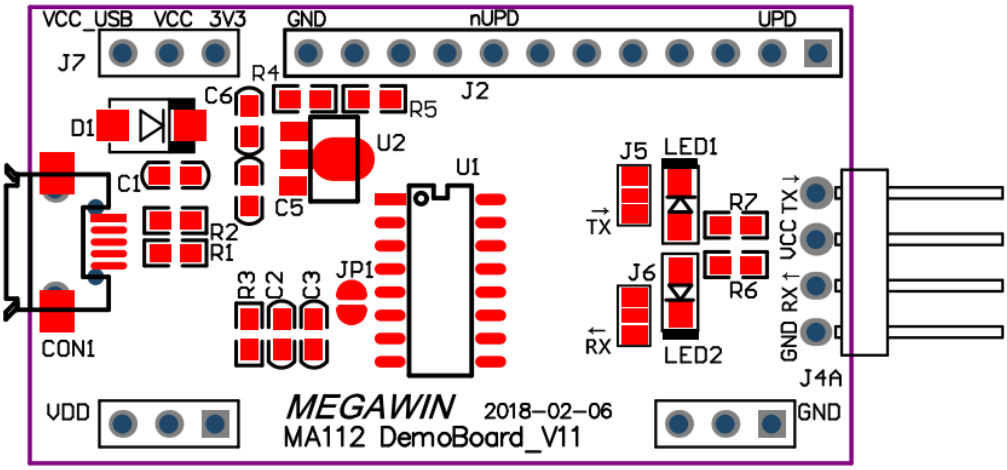
Figure 1-1. MA112 demo board



1.2 Demo Board Hardware Instruction

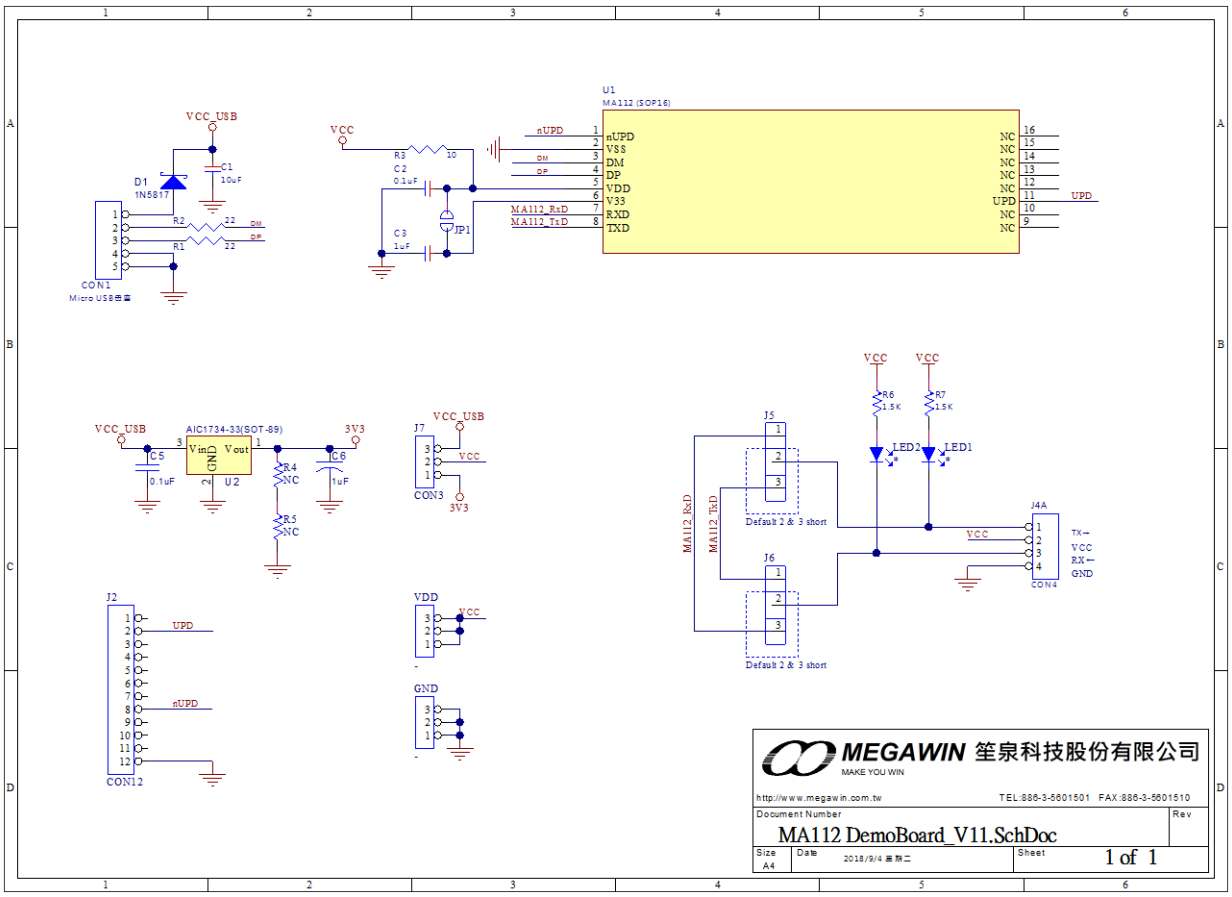
1. CON1 : Micro USB Connecter
2. J7 :
   a. VCC_USB -- USB 5V Output
   b. VCC -- Select 5V or 3V3 to MA112(Default 5V)
   c. 3V3 -- On-Board LDO 3.3V Output(U2)
3. U1 : MA112
4. J2:
   a. GND
   b. NC
   c. NC
   d. NC
   e. nUPD
   f. NC
   g. NC
   h. NC
   i. NC
   j. NC
   k. UPD
   l. NC
5. J4A : UART
   a. TX : MA112 UART TXD
   b. VCC : VCC Output
   c. RX : MA112 UART RXD
   d. GND
6. LED :
   a. LED1 : MA112 UART TXD LED.
   b. LED2 : MA112 UART RXD LED.

Figure 1-2. Top view



1.3 Demo Board Circuit

Figure 1-3. Demo board circuit



User can choose MA112 power at 5V or 3V3 from connector “J7”.

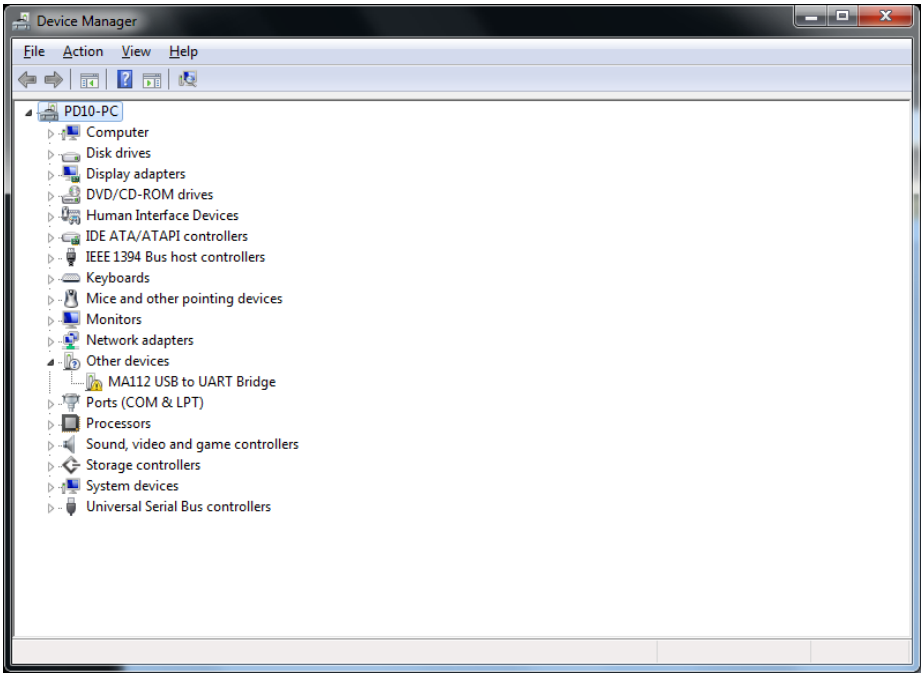
When user selects 5V, user should tie pin 2 & 3 at connector “J7” and open JP1.

When user selects 3V3, user should tie pin 1 & 2 at connector “J7” and close JP1.

2 Driver Install

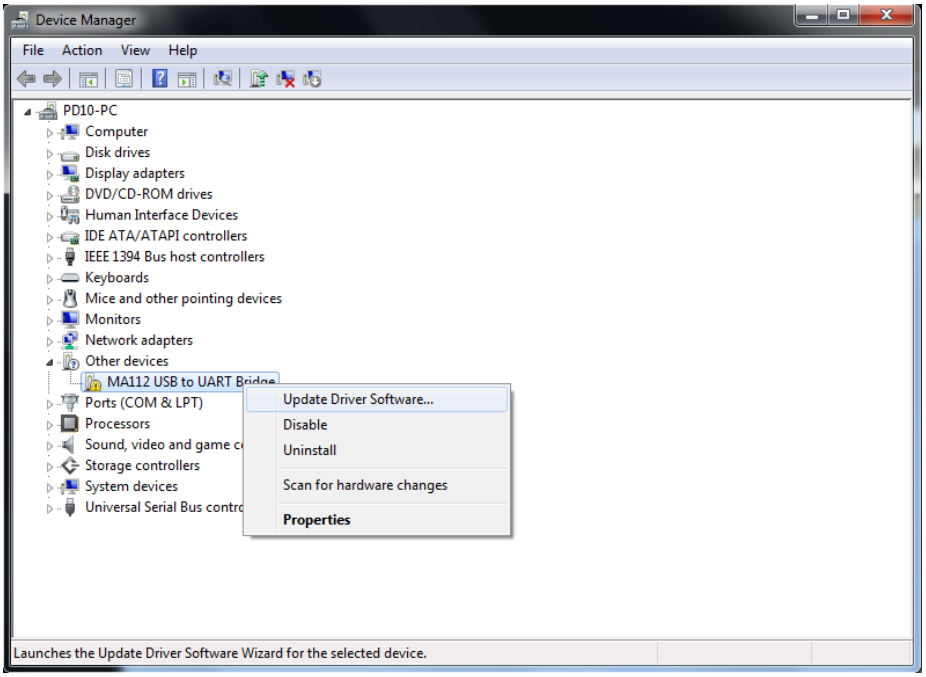
Step 1: The user plug MA112 demo board into any USB port in a PC, then open Device Manager.

Figure 2-1



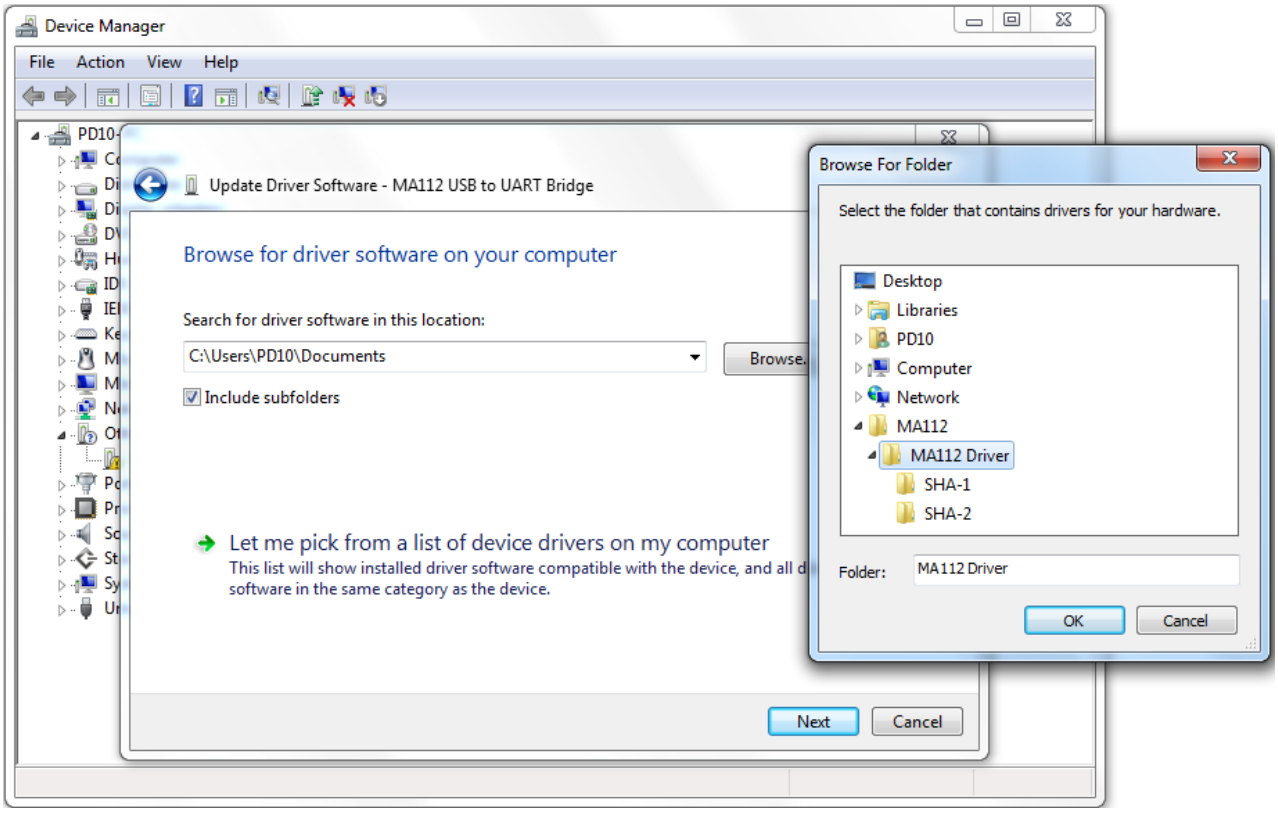
Step 2: Click “Right” key on MA112 USB to UART Bridge and “Update Driver Software”…

Figure 2-2



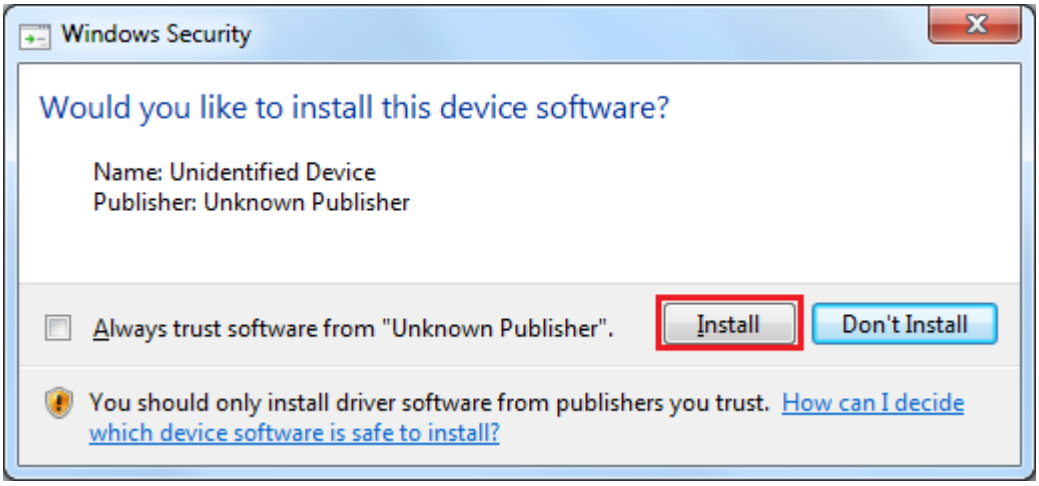
Step 3: Indicate MA112 Driver path in the user's PC, OS will select SHA-1 or SHA-2 automatic.

Figure 2-3



Step 4: Click "**Install**" and wait a while.

Figure 2-4



Step 5: The user install driver successfully…

Figure 2-5

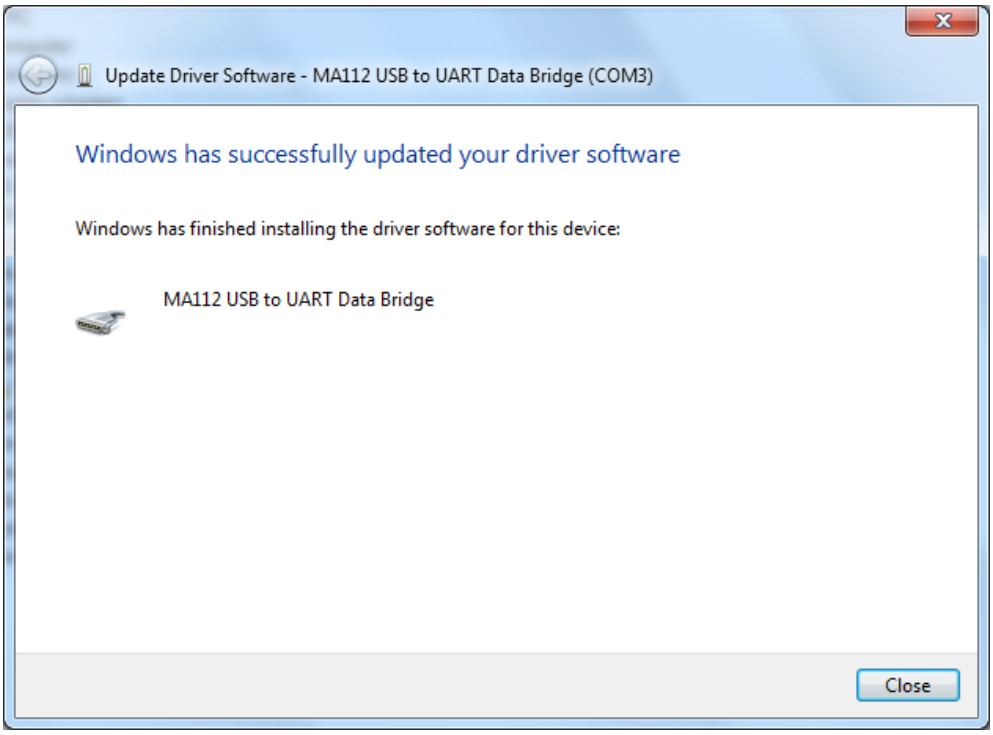
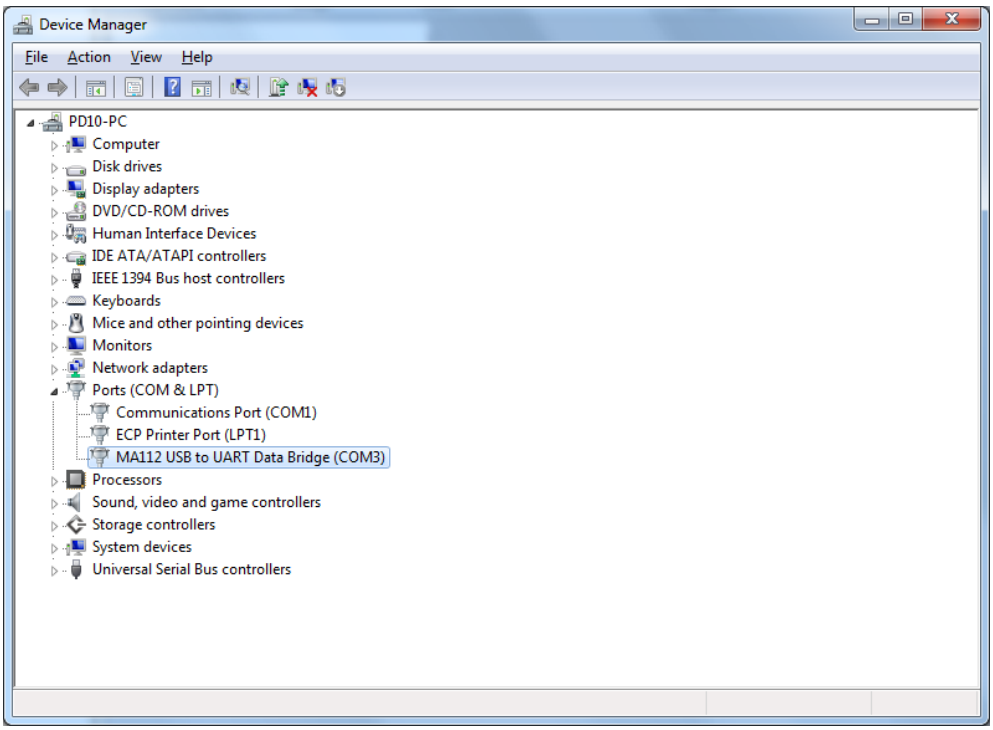


Figure 2-6



3 Revision History

Table 3–1. Revision History

Rev	Descriptions	Date
V1.00	Initial version	2018/05
	----------	------
V1.01	Add install driver procedure.	2018/09
	----------	------

4 Disclaimers

Herein, Megawin stands for "***Megawin Technology Co., Ltd.***"

Life Support — This product is not designed for use in medical, life-saving or life-sustaining applications, or systems where malfunction of this product can reasonably be expected to result in personal injury. Customers using or selling this product for use in such applications do so at their own risk and agree to fully indemnify Megawin for any damages resulting from such improper use or sale.

Right to Make Changes — Megawin reserves the right to make changes in the products - including circuits, standard cells, and/or software - described or contained herein in order to improve design and/or performance. When the product is in mass production, relevant changes will be communicated via an Engineering Change Notification (ECN).