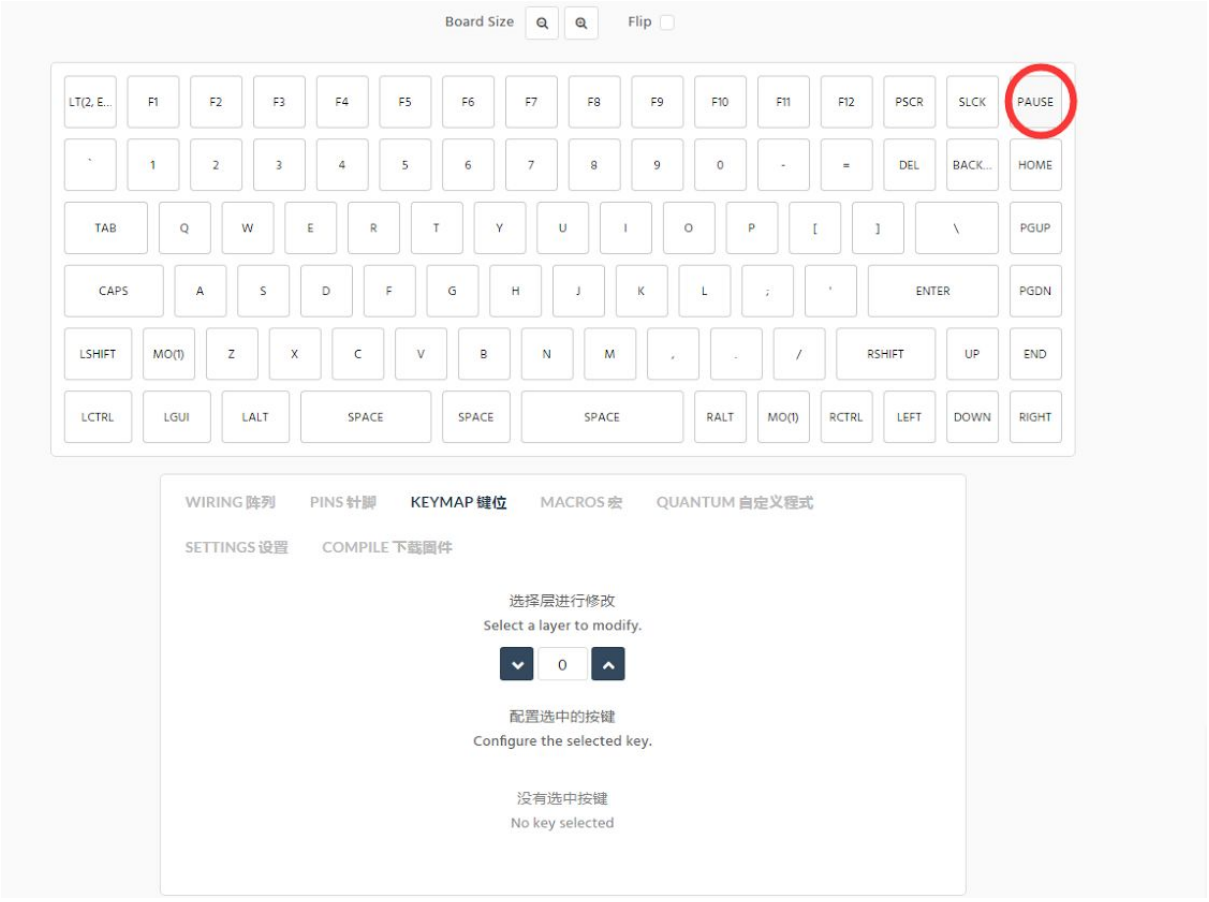
QMK program

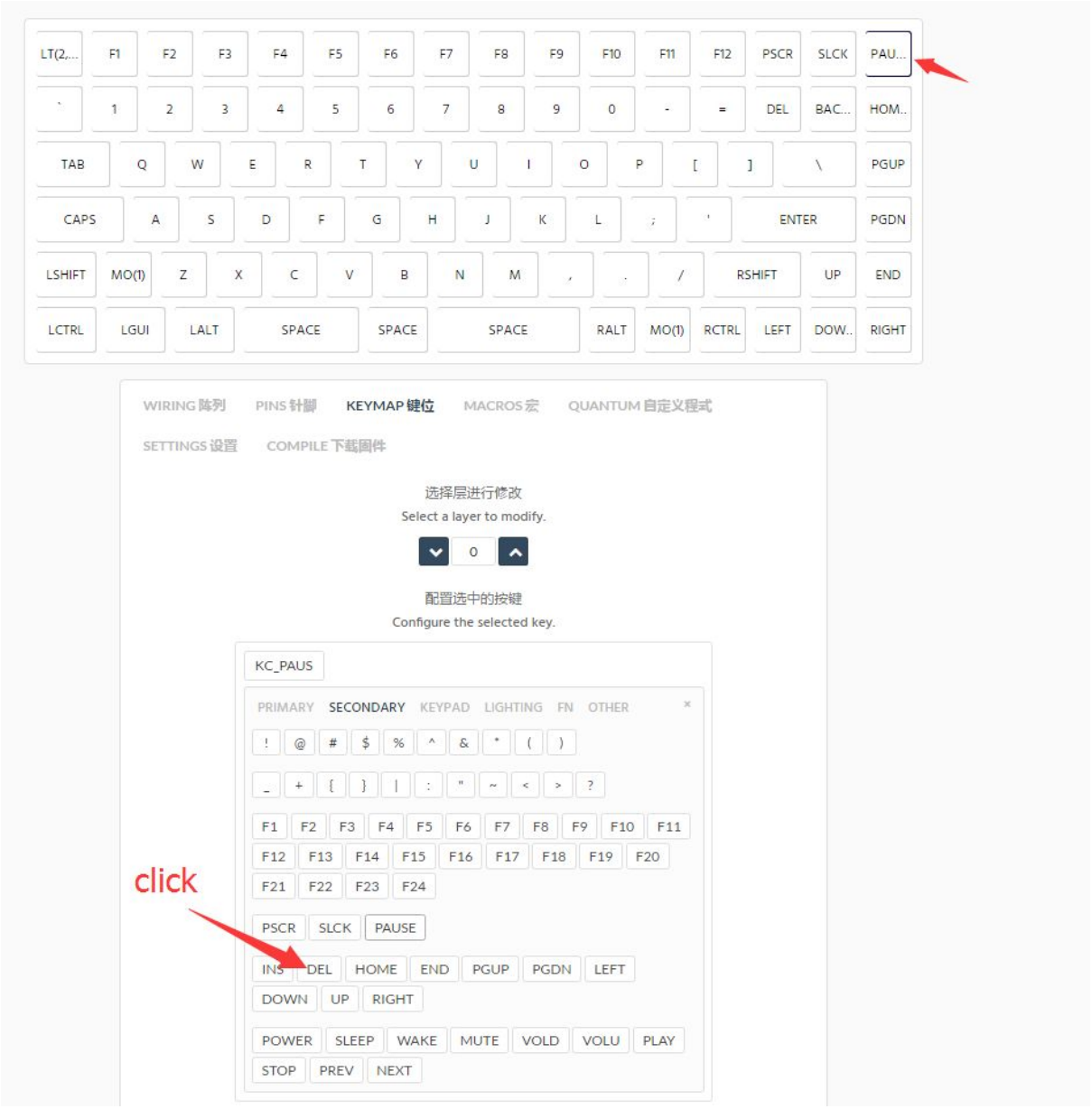
simple: PAUSE ----DEL

open http://qmkeyboard.cn/

2 click pause

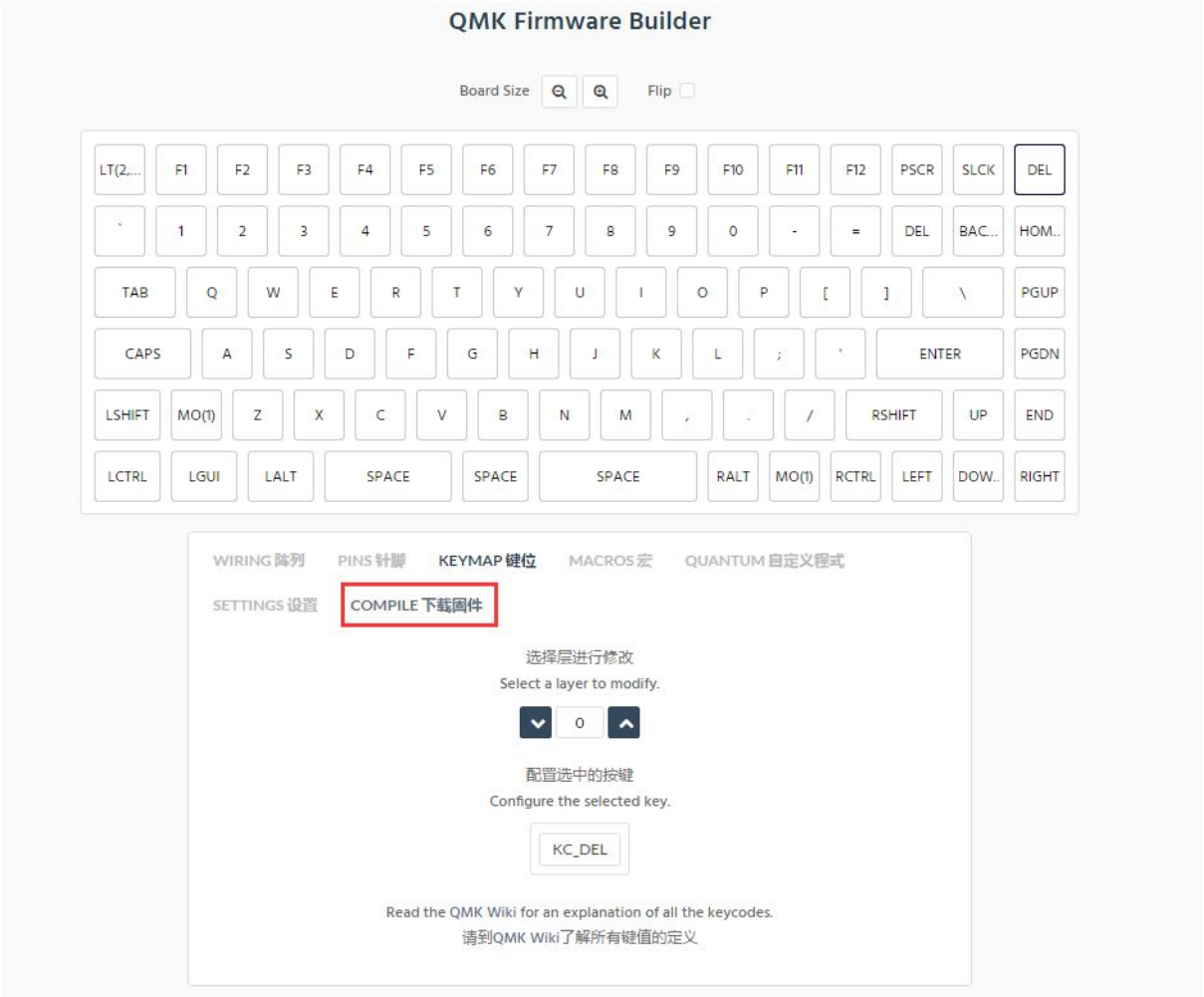

Board Size
Flip
LT(2, E...
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
F11
F12
PSCR
SLCK
PAUSE
`
1
2
3
4
5
6
7
8
9
0
-
=
DEL
BACK...
HOME
TAB
Q
W
E
R
T
Y
U
I
O
P
[
]
\
PGUP
CAPS
A
S
D
F
G
H
J
K
L
;
'
ENTER
PGDN
LSHIFT
MO(1)
Z
X
C
V
B
N
M
,
.
/
RSHIFT
UP
END
LCTRL
LGUI
LALT
SPACE
SPACE
SPACE
RALT
MO(1)
RCTRL
LEFT
DOWN
RIGHT
WIRING 阵列
PINS 针脚
KEYMAP 键位
MACROS 宏
QUANTUM 自定义程式
SETTINGS 设置
COMPILE 下载固件
选择层进行修改
Select a layer to modify.
0
配置选中的按键
Configure the selected key.
没有选中按键
No key selected

3



ok, layout is modify download layout

4

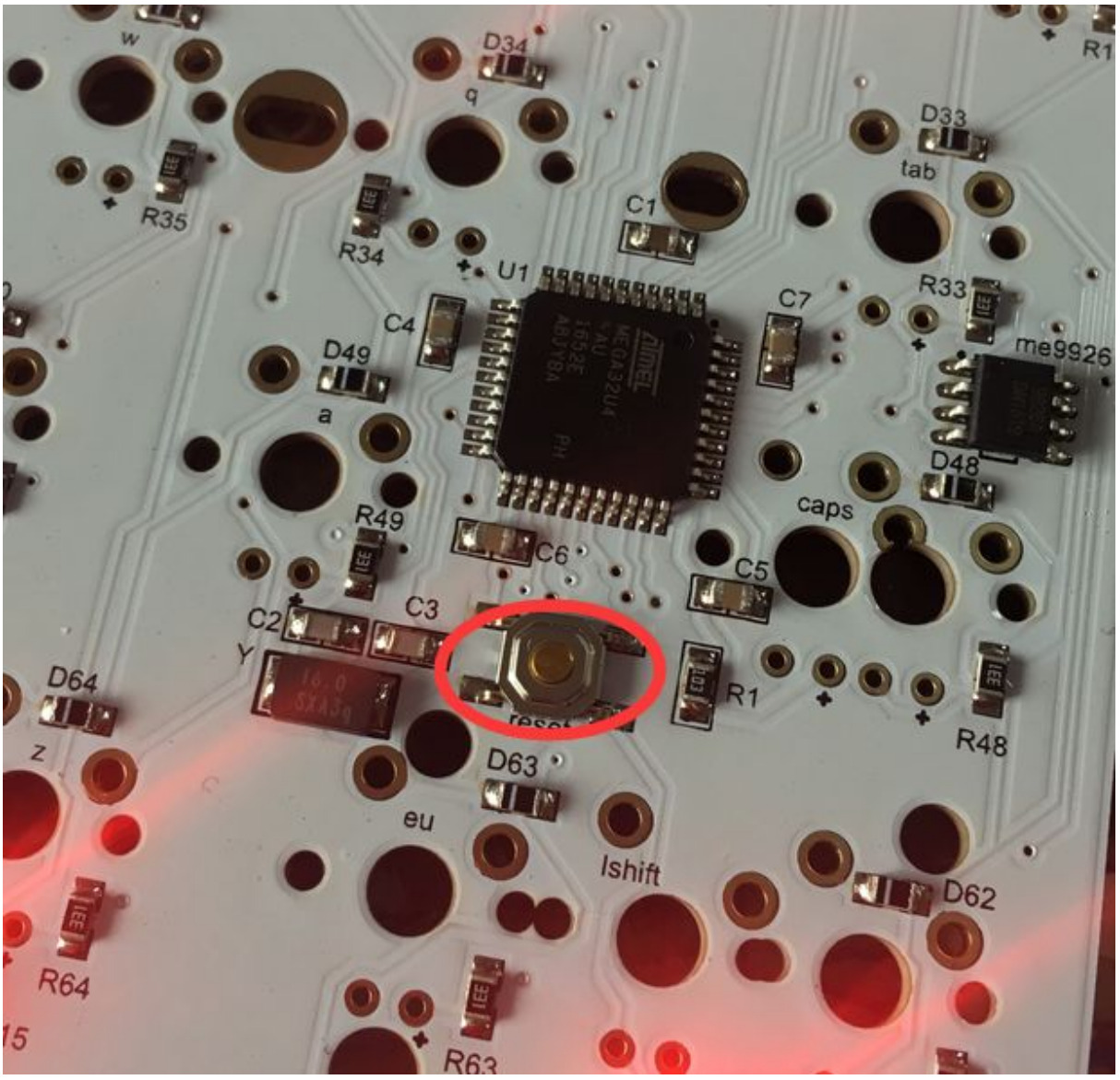


5

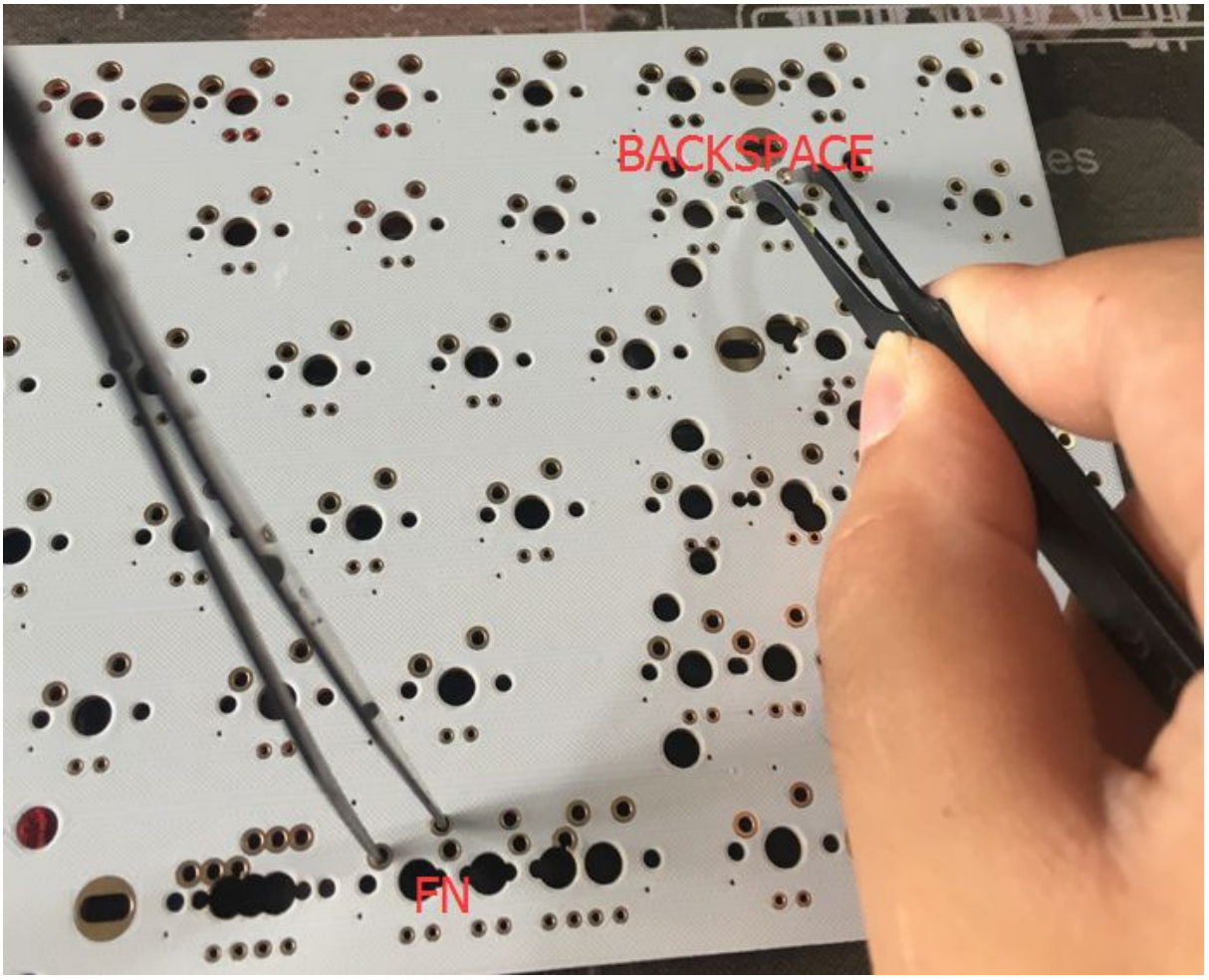
install software ,

6 PCB get into BootLoader mode

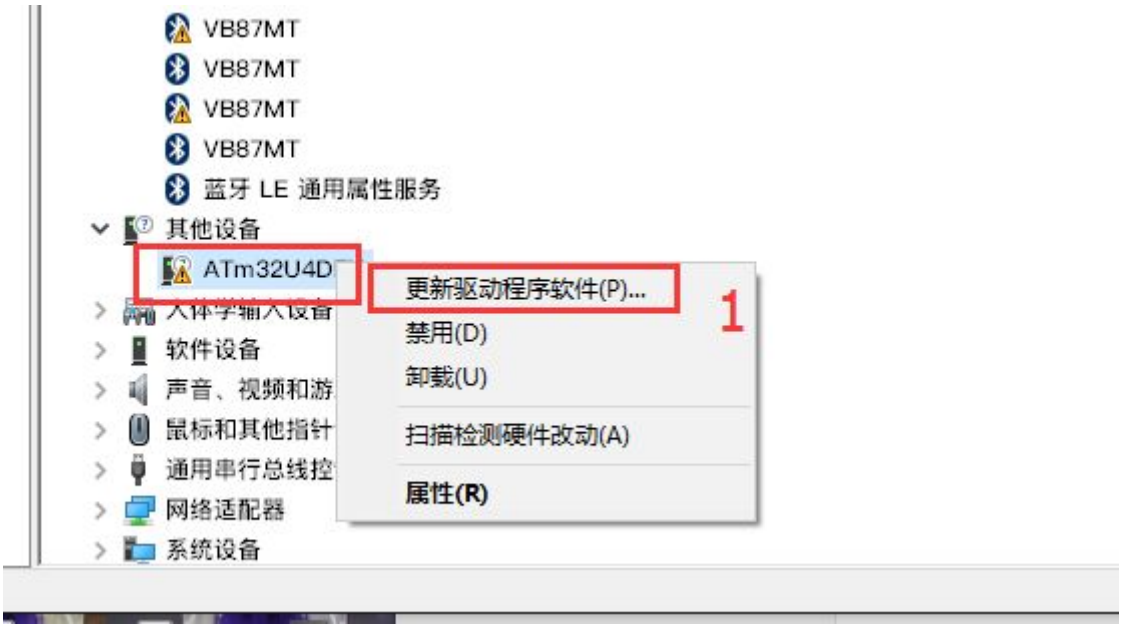
fn+backspace or There is a rest button below the PCB

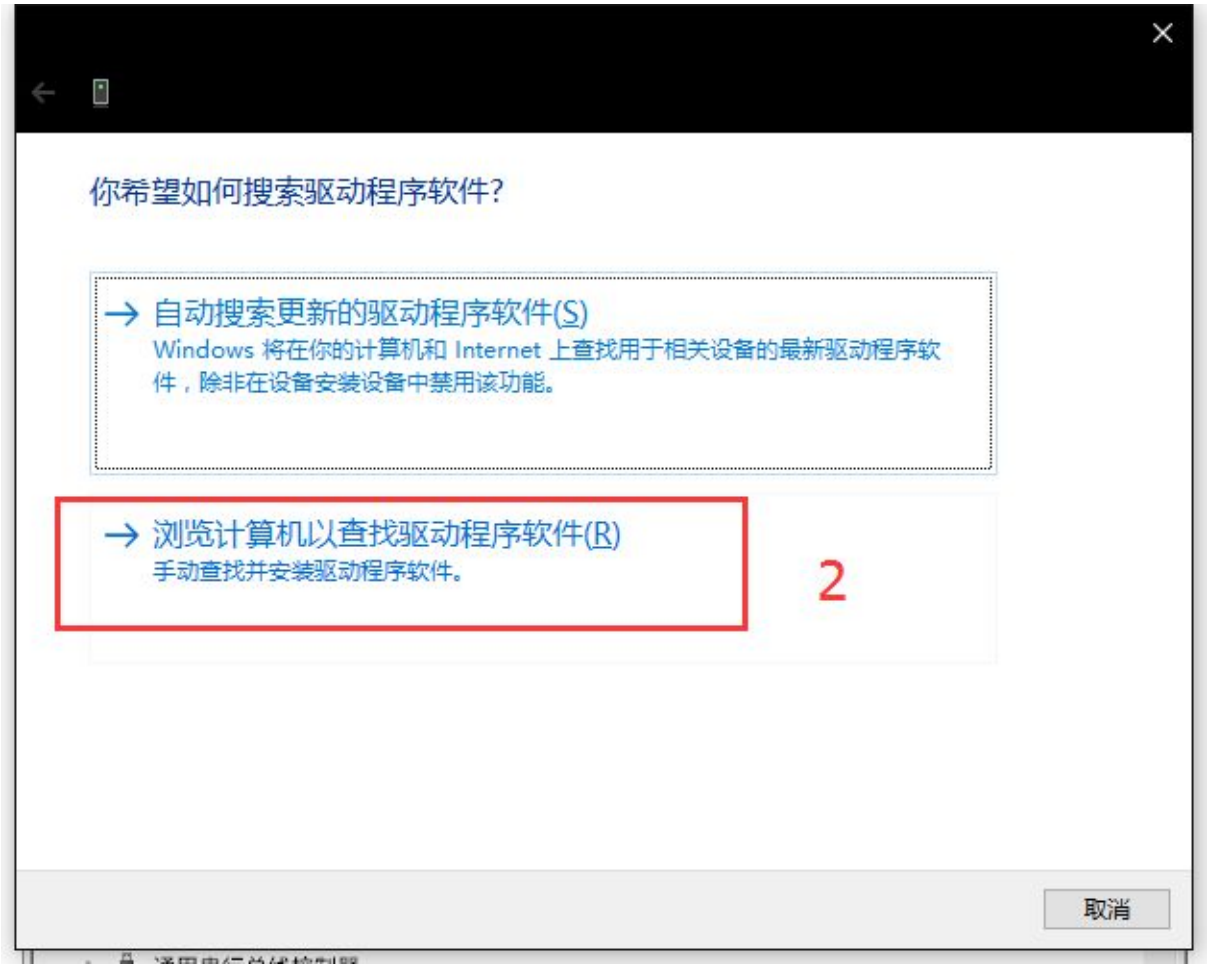

w
D34
q
R1
D33
tab
R35
R34
C1
U1
R33
C4
C7
me9926
D49
a
D48
caps
R49
C6
C5
C2
C3
Y
R1
D64
R48
z
D63
eu
lshift
D62
R64
R63
15

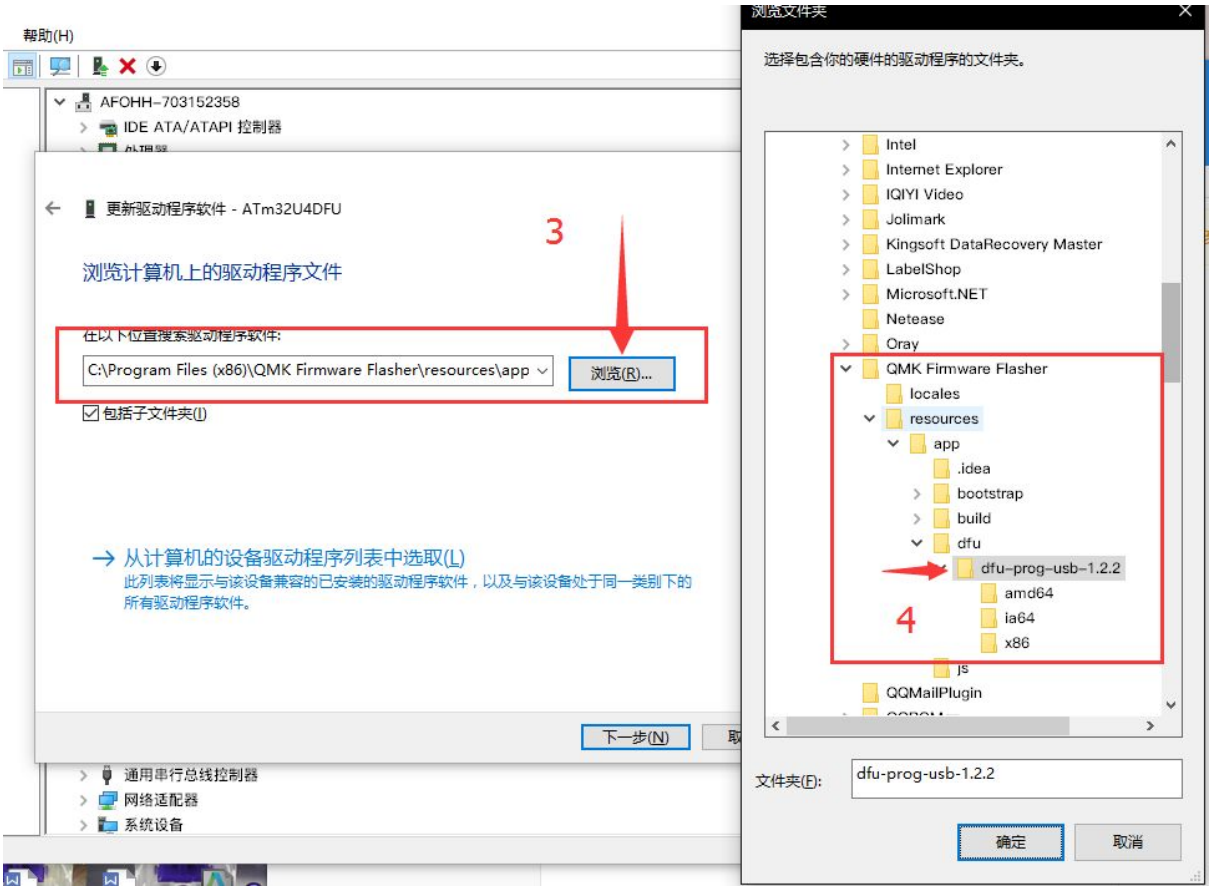
or



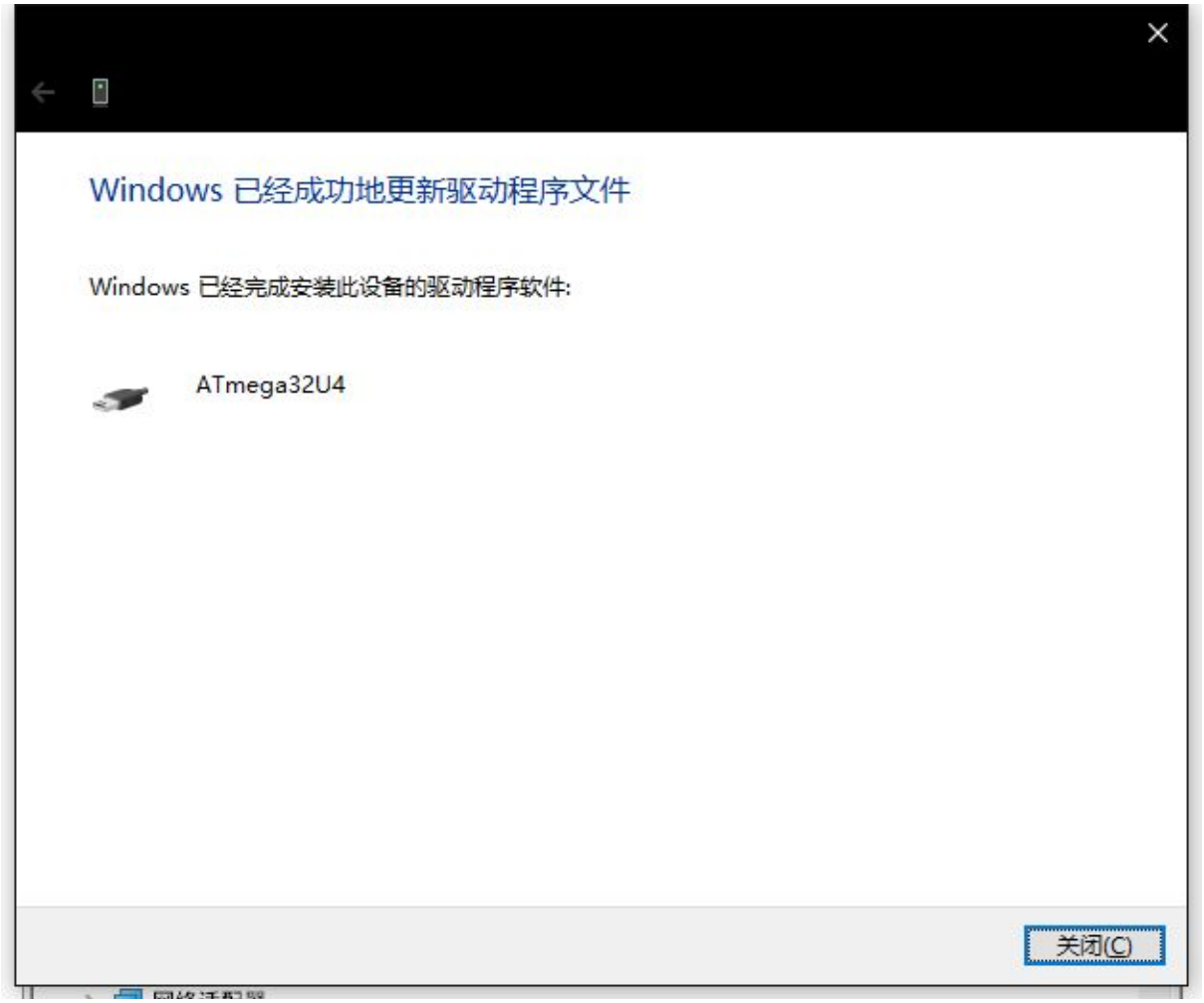
7. install drive


VB87MT
VB87MT
VB87MT
VB87MT
蓝牙 LE 通用属性服务
其他设备
ATm32U4D
更新驱动程序软件(P)...
禁用(D)
卸载(U)
扫描检测硬件改动(A)
属性(R)
1
软件设备
声音、视频和游
鼠标和其他指针
通用串行总线控
网络适配器
系统设备

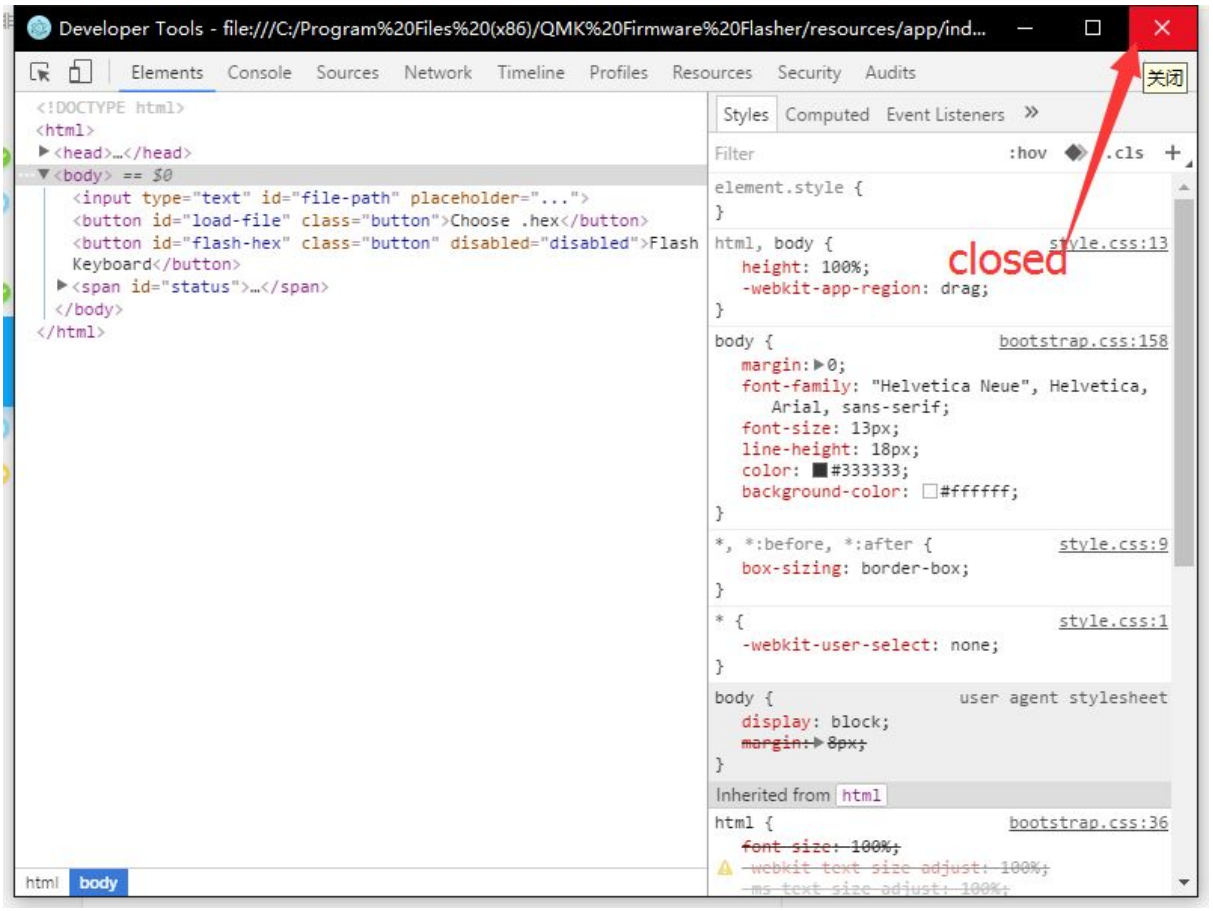

你希望如何搜索驱动程序软件?
自动搜索更新的驱动程序软件(S)
Windows 将在你的计算机和 Internet 上查找用于相关设备的最新驱动程序软件，除非在设备安装设备中禁用该功能。
浏览计算机以查找驱动程序软件(R)
手动查找并安装驱动程序软件。
2
取消

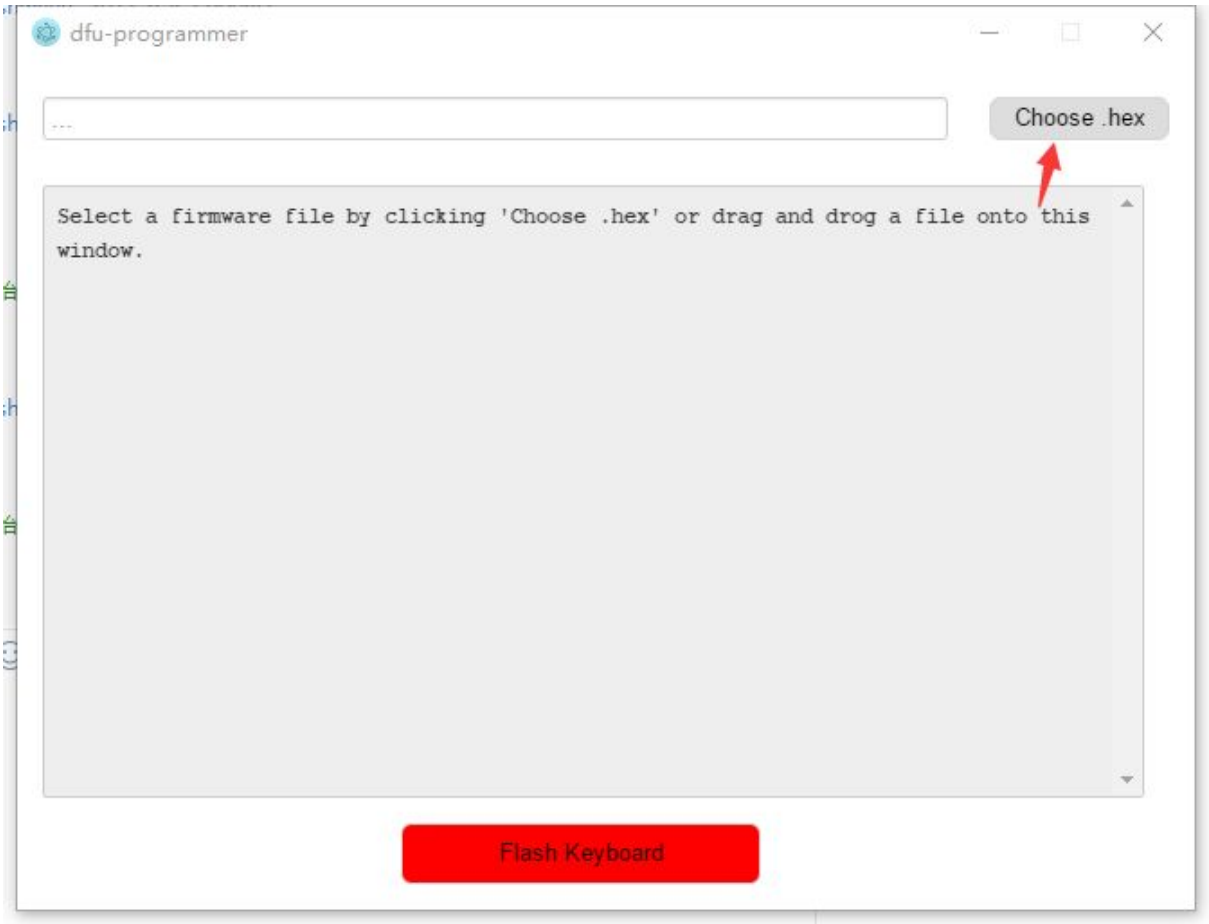

帮助(H)
AFOHH-703152358
IDE ATA/ATAPI 控制器
更新驱动程序软件 - ATm32U4DFU
3
浏览计算机上的驱动程序文件
在以下位置搜索驱动程序软件:
C:\Program Files (x86)\QMK Firmware Flasher\resources\app
浏览(R)...
包括子文件夹(I)
从计算机的设备驱动程序列表中选取(L)
此列表将显示与该设备兼容的已安装的驱动程序软件，以及与该设备处于同一类别下的所有驱动程序软件。
下一步(N)
通用串行总线控制器
网络适配器
系统设备
浏览文件夹
选择包含你的硬件的驱动程序的文件夹。
Intel
Internet Explorer
IQIYI Video
Jolimark
Kingsoft DataRecovery Master
LabelShop
Microsoft.NET
Netease
Oray
QMK Firmware Flasher
locales
resources
app
.idea
bootstrap
build
dfu
dfu-prog-usb-1.2.2
amd64
ia64
x86
4
js
QQMailPlugin
文件夹(F):
dfu-prog-usb-1.2.2
确定
取消

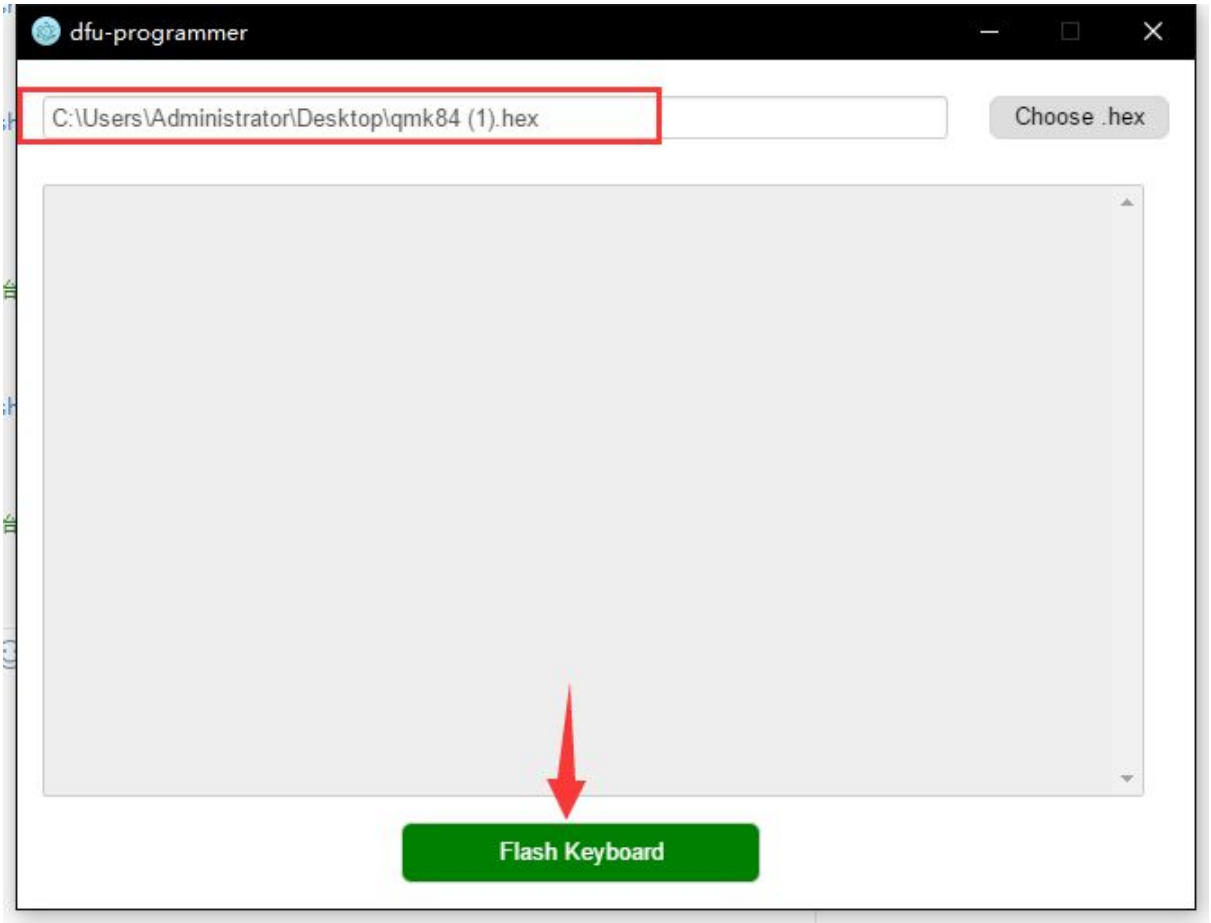
浏览计算机上的驱动程序文件
在以下位置搜索驱动程序软件:
MK Firmware Flasher\resources\app\dfu\dfu-prog-usb-1.2.2
浏览(R)...
包括子文件夹(I)
从计算机的设备驱动程序列表中选取(L)
此列表将显示与该设备兼容的已安装的驱动程序软件，以及与该设备处于同一类别下的所有驱动程序软件。
5
下一步(N)
取消

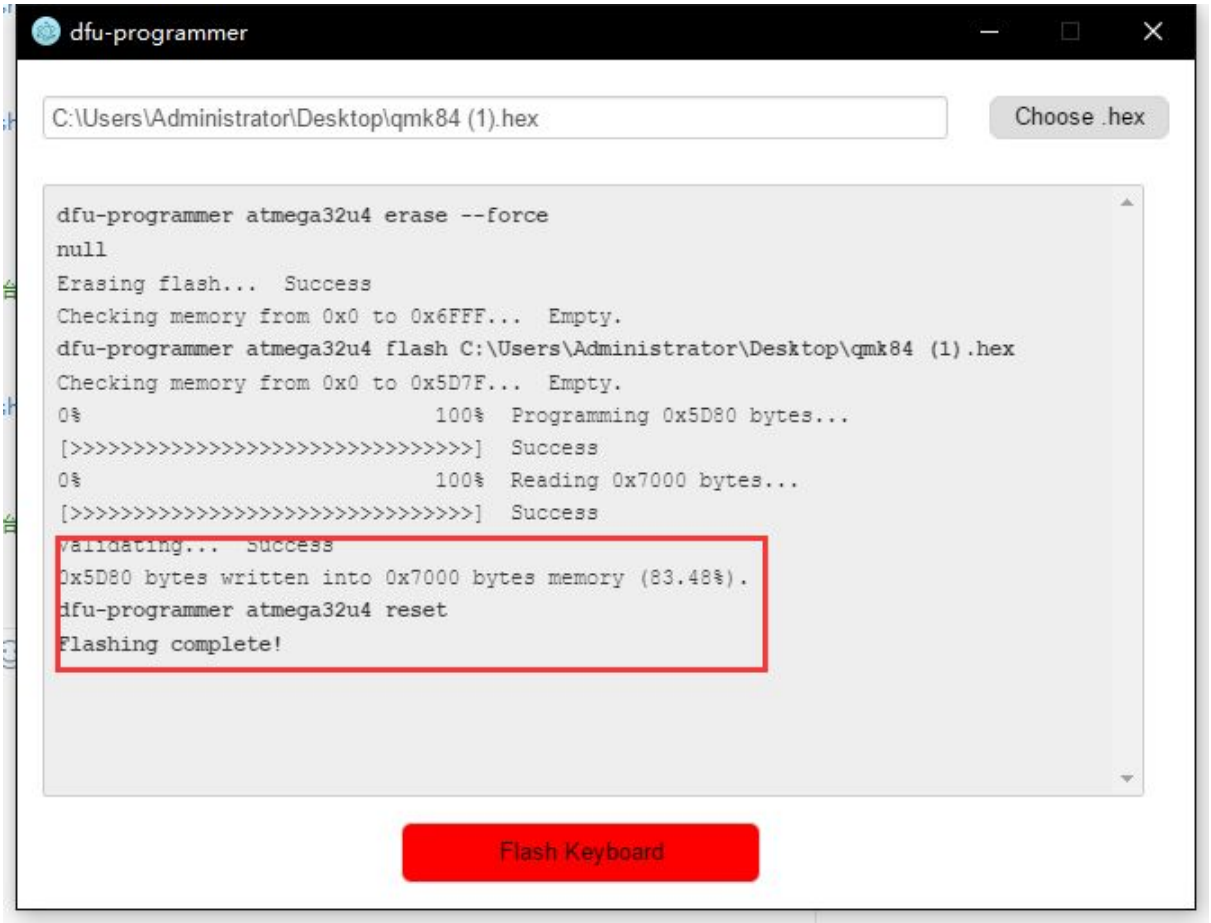

Windows 已经成功地更新驱动程序文件
Windows 已经完成安装此设备的驱动程序软件:
ATmega32U4
关闭(C)

8 update hex


Developer Tools - file:///C:/Program%20Files%20(x86)/QMK%20Firmware%20Flasher/resources/app/ind...
Elements
Console
Sources
Network
Timeline
Profiles
Resources
Security
Audits
关闭
<!DOCTYPE html>
<html>
▶<head>…</head>
▼<body> == $0
<input type="text" id="file-path" placeholder="...">
<button id="load-file" class="button">Choose .hex</button>
<button id="flash-hex" class="button" disabled="disabled">Flash Keyboard</button>
▶…
</body>
</html>
html
body
Styles
Computed
Event Listeners
Filter
:hov
.cls
element.style {
}
html, body { style.css:13
height: 100%;
-webkit-app-region: drag;
}
closed
body { bootstrap.css:158
margin:▶0;
font-family: "Helvetica Neue", Helvetica, Arial, sans-serif;
font-size: 13px;
line-height: 18px;
color: #333333;
background-color: #ffffff;
}
*, *:before, *:after { style.css:9
box-sizing: border-box;
}
* { style.css:1
-webkit-user-select: none;
}
body { user agent stylesheet
display: block;
margin:▶8px;
}
Inherited from html
html { bootstrap.css:36
font-size: 100%;
-webkit-text-size-adjust: 100%;
-ms-text-size-adjust: 100%;


dfu-programmer
...
Choose .hex
Select a firmware file by clicking 'Choose .hex' or drag and drog a file onto this window.
Flash Keyboard


dfu-programmer
C:\Users\Administrator\Desktop\qmk84 (1).hex
Choose .hex
Flash Keyboard


dfu-programmer
C:\Users\Administrator\Desktop\qmk84 (1).hex
Choose .hex
dfu-programmer atmega32u4 erase --force
null
Erasing flash... Success
Checking memory from 0x0 to 0x6FFF... Empty.
dfu-programmer atmega32u4 flash C:\Users\Administrator\Desktop\qmk84 (1).hex
Checking memory from 0x0 to 0x5D7F... Empty.
0% 100% Programming 0x5D80 bytes...
[>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>] Success
0% 100% Reading 0x7000 bytes...
[>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>] Success
Validating... Success
0x5D80 bytes written into 0x7000 bytes memory (83.48%).
dfu-programmer atmega32u4 reset
Flashing complete!
Flash Keyboard

complete