

RFH Laser

Quick Guide Ver1.3

RFH 激光

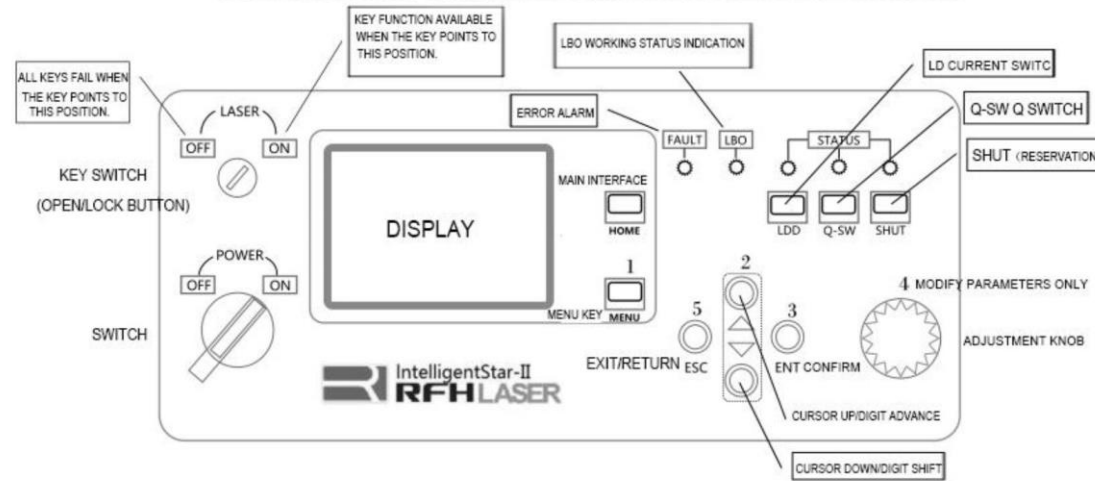
快速指南 Ver1.3

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FIRST, THE PANEL FUNCTION DESCRIPTION AND PROCESS REFERENCE

1/5



Start-up process: first open the chiller, turn on the power switch after 30 seconds, wait 1-3 minutes, after the LBO goes out, press LDD and Q-SW, wait 10-30 minutes for power stability.

开机过程:先打开冷水机, 30 秒后打开电源开关, 等待 1-3 分钟, 待 LBO 出后, 按 LDD、Q-SW, 等待 10-30 分钟对权力的稳定。

Shutdown process: Press Q-SW and LDD, wait for the LDD flow to drop to 0, turn off the power switch, and turn off the chiller.

Power regulation: power is related to frequency and pulse width. Maximum Frequency is 30 or 40KHz, which is inversely proportional to pulse width, for example, At 40KHz, the pulse width is 1us maximum power, and the pulse width is 25us minimum power.

At 20KHz, the pulse width is 1us maximum power, and the pulse width is 50us minimum power.

The parameters can be controlled internally or externally, and the options are as follows:

关机过程:按 Q-SW 和 LDD, 等待 LDD 流量降至 0, 关闭电源开关, 关闭冷水机。

功率调节:功率与频率和脉宽有关。最大频率为 30 或 40KHz, 与脉冲宽度(例如 At)成反比

40KHz, 脉冲宽度最大功率 1us, 脉冲宽度最小功率 25us。

在 20KHz 时, 脉冲宽度最大功率为 1us, 脉冲宽度最小功率为 50us。

参数可由内部控制, 也可由外部控制, 选择如下:

```
Laser mode :CW
FPS signal :on
Gate Input :ext
Trig mode :ext
FPS Input :int
More Para Setting ->
```

EXTERNAL CONTROL
(SOFTWARE SETTINGS)

```
Laser mode :CW
FPS signal :on
Gate Input :int
Trig mode :int
FPS Input :int
More Para Setting ->
```

INTERNAL CONTROL
(INTERNAL CONTROL PARAMETER SETTING,
AND IT WILL EXTRACT LIGHT DIRECTLY AFTER
POWERING ON.)

View and modify the parameter flow:

- 1、Press the MENU;
- 2、Choosing by pressing the
- 3、Press ENT to enter, modify the parameters repeat 2, 3.
- 4、Adjust the knob to modify the parameters
5. Press ESC to exit once and choose whether to save.

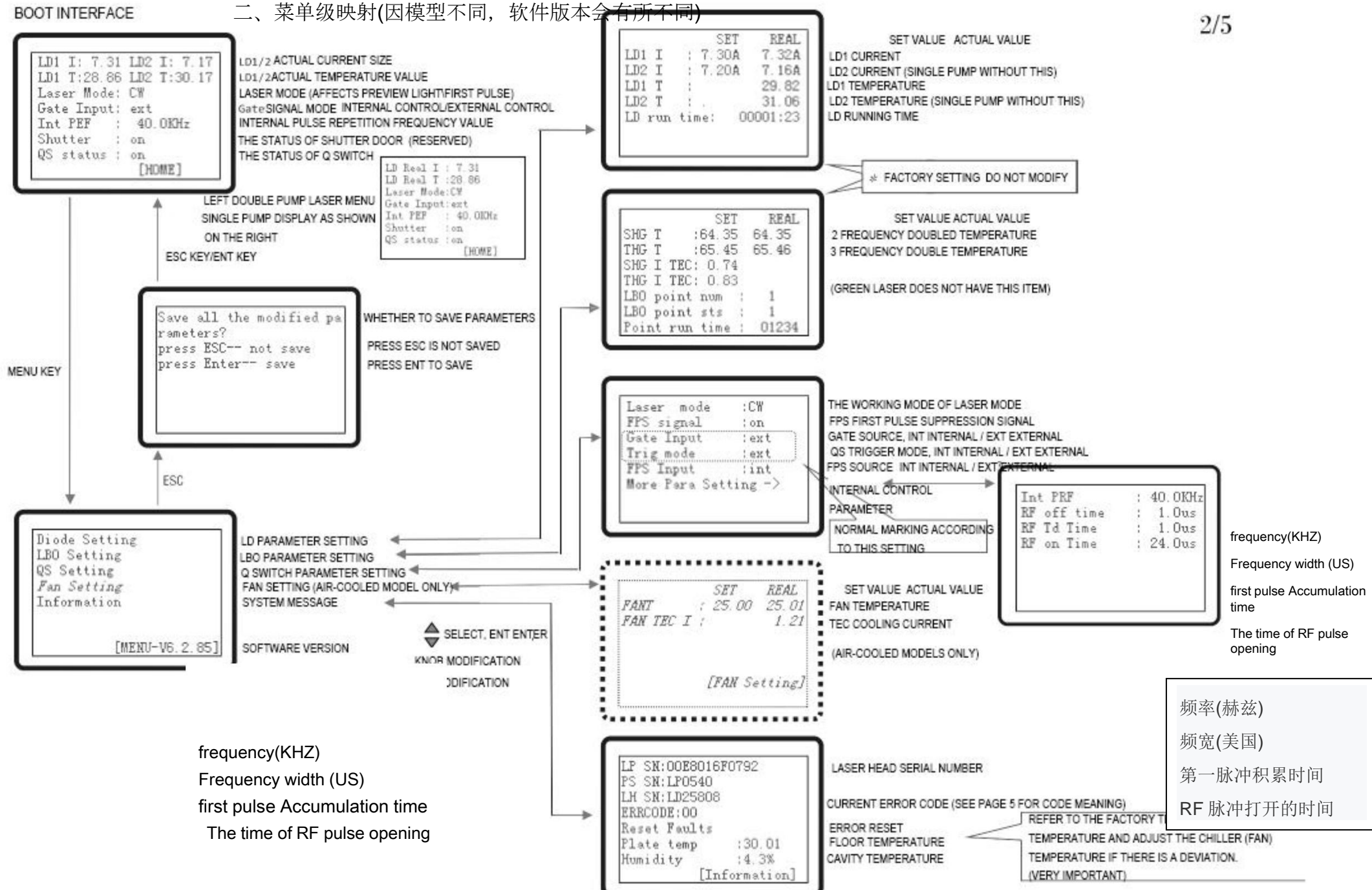
查看和修改参数流:

- 1、按下菜单;
- 2、选择按 3，按 ENT 输入，修改参数重复 2、3。
- 4、调节旋钮可修改参数
5. 按 ESC 退出一次，选择是否保存。

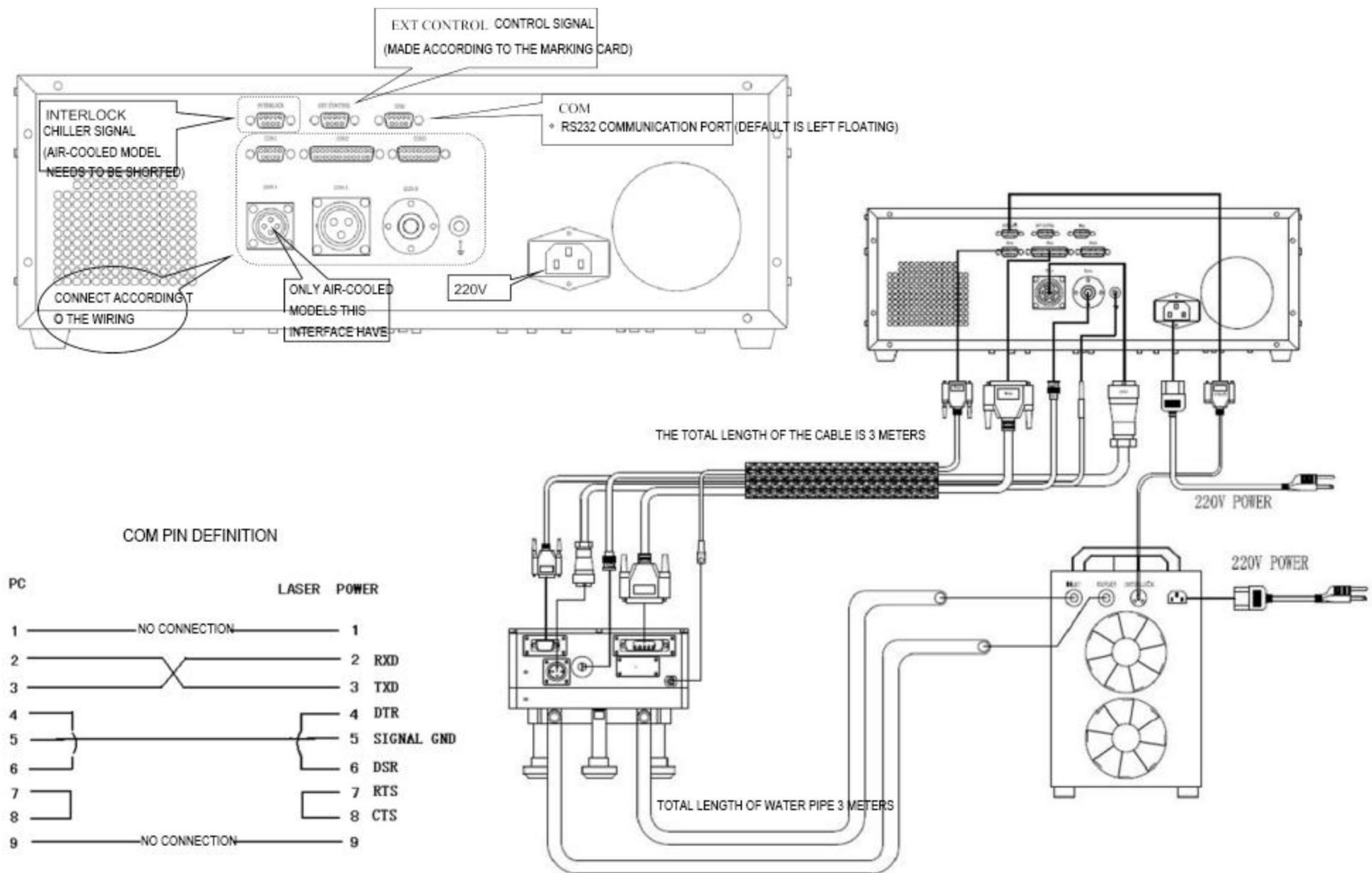
Second, the menu level map (due to the model, software version will be different)

二、菜单级映射(因模型不同, 软件版本会有所不同)

2/5

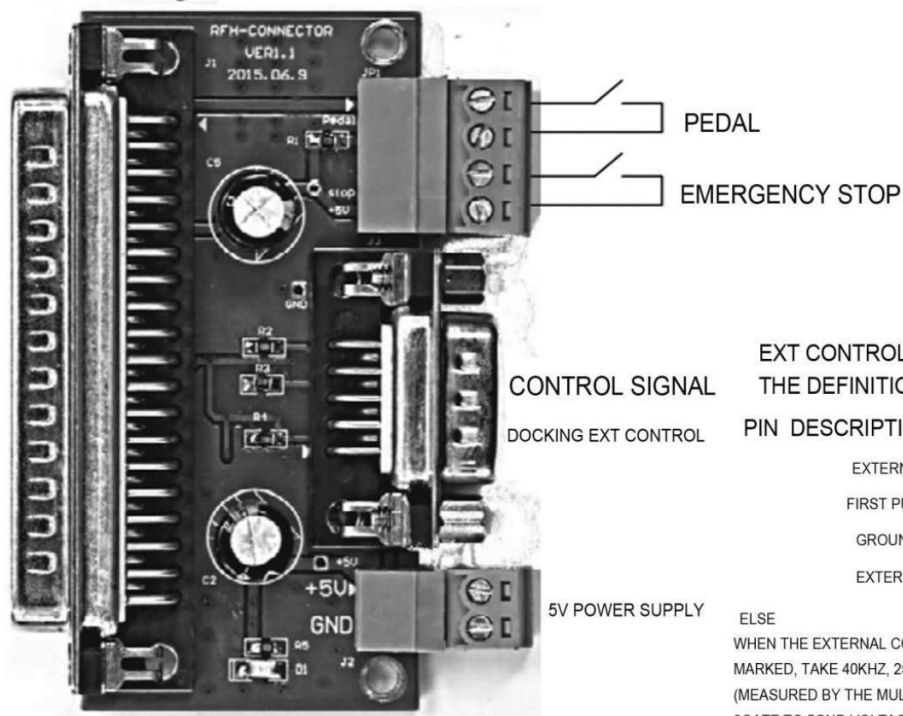


Third, the electrical connection diagram 三、电气连接图

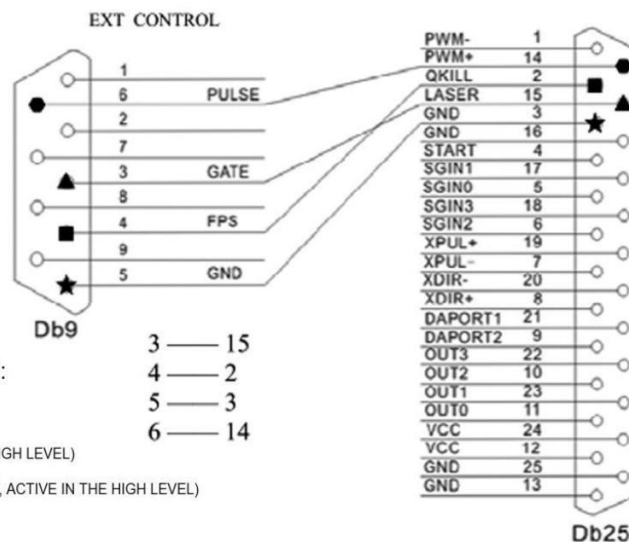


Fourth, the external control 第四，外部控制

Samlight MARKING CARD ADAPTER PLAT



GOLDEN ORANGE BOARD
(OLD VERSION) 4/5



EXT CONTROL ,
THE DEFINITION IS AS FOLLOWS:

PIN DESCRIPTION REMARKS

EXTERNAL GATE (ACTIVE IN THE HIGH LEVEL)

FIRST PULSE SUPPRESSION (INPUT, ACTIVE IN THE HIGH LEVEL)

GROUND (EXTERNAL PROVIDED)

EXTERNAL Q PULSE (INPUT), HIGH LEVEL TIME IS RELEASE TIME

ELSE

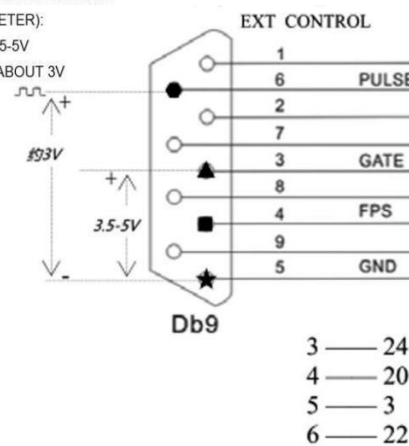
WHEN THE EXTERNAL CONTROL IS CONTINUOUSLY
MARKED, TAKE 40KHZ, 25US AS AN EXAMPLE

(MEASURED BY THE MULTIMETER):

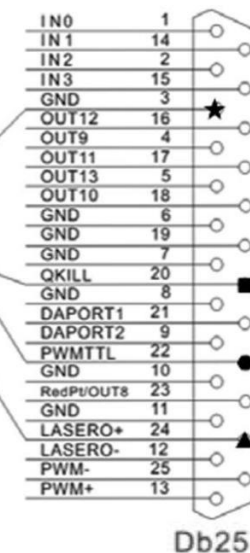
3GATE TO 5GND VOLTAGE 3.5-5V

6PULSE TO 5GND VOLTAGE ABOUT 3V

LASER POWER SUPPLY



GOLDEN ORANGE BOARD
(NEW VERSION)



RTC4 MARKING CARD CONNECTION DIAGRAM

