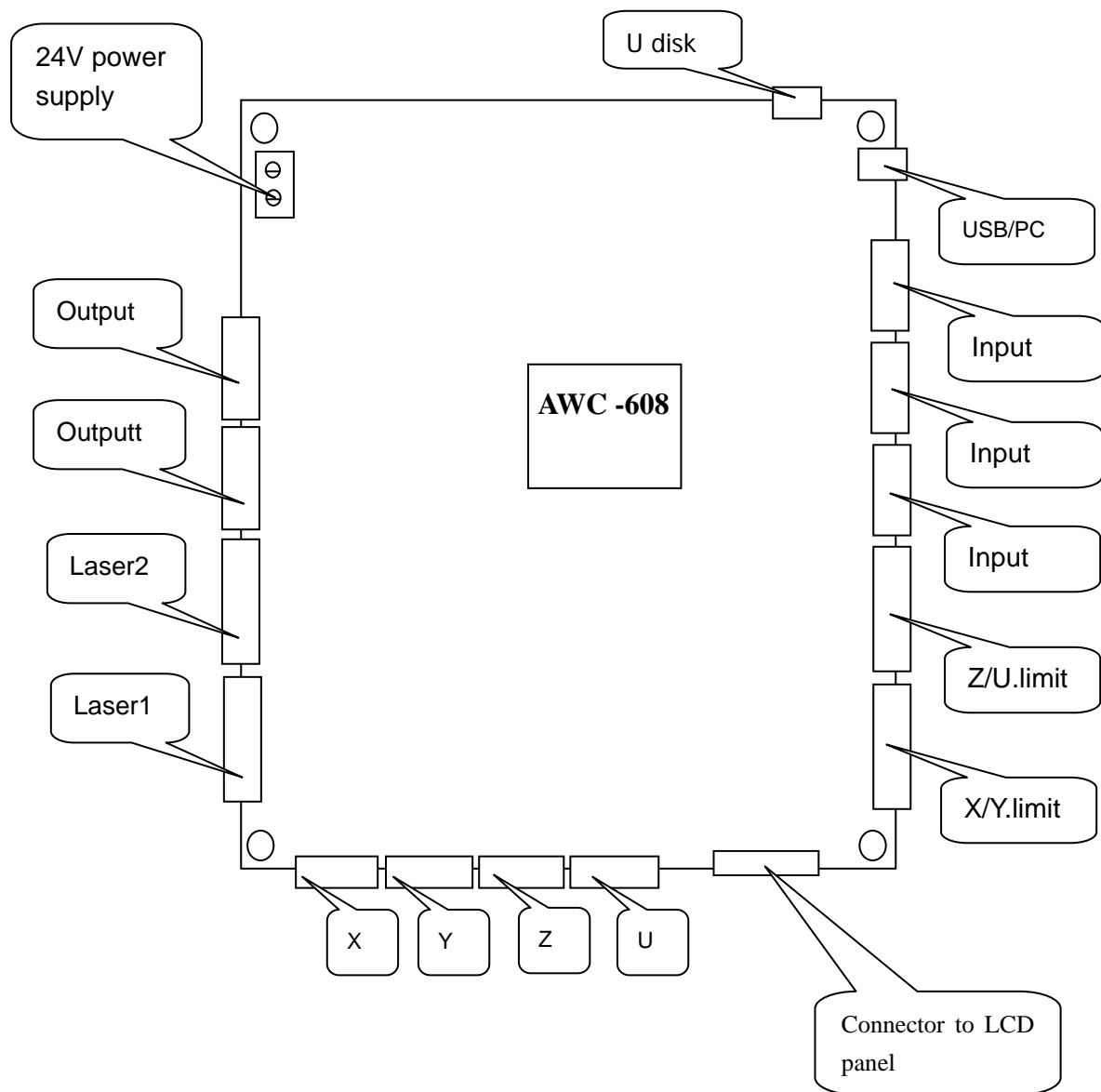


# **AWC608 Interface Diagram**

(10-19-2011)

## 1. AWC-608 Hardware interface



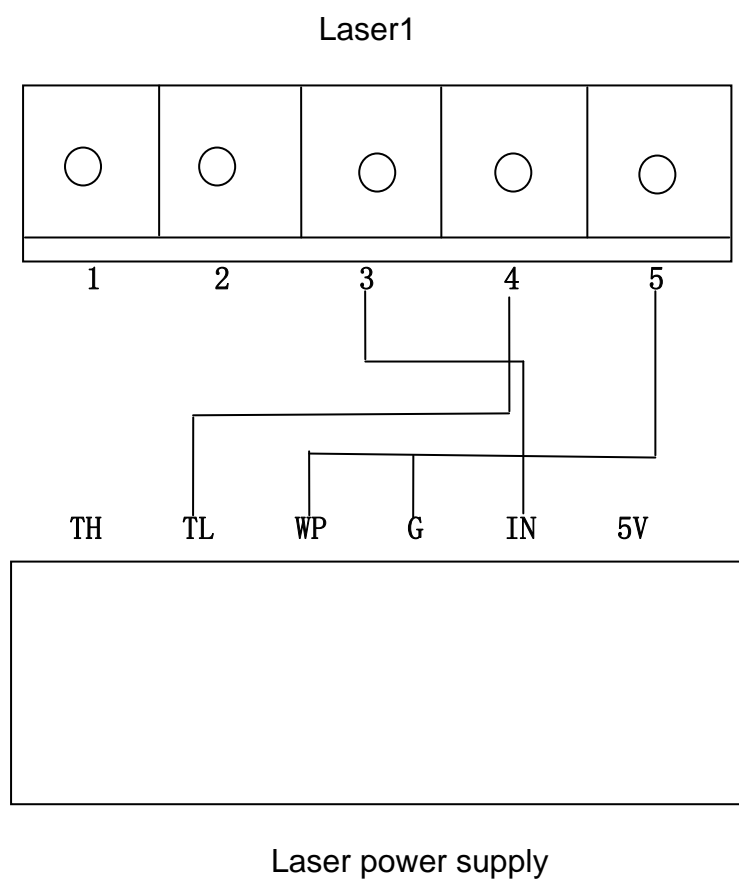
	Pins definition					
	1	2	3	4	5	6
<b>POW</b>	24V+	24V COM				
<b>laser1</b>	5V	WLP	PWM	TTL	GND	
<b>laser2</b>	5V	WLP	PWM	TTL	GND	
<b>X axis</b>	5V	PUL	DIR			
<b>Y axis</b>	5V	PUL	DIR			
<b>Z axis</b>	5V	PUL	DIR			
<b>U axis</b>	5V	PUL	DIR			
<b>X.Y limit</b>	24V+	Y+ Limit	X+ Limit	Y- Limit	X- Limit	GND
<b>U.Z limit</b>	24V+	U+ Limit	Z+ Limit	U- Limit	Z- Limit	GND

WLP= Water low protection

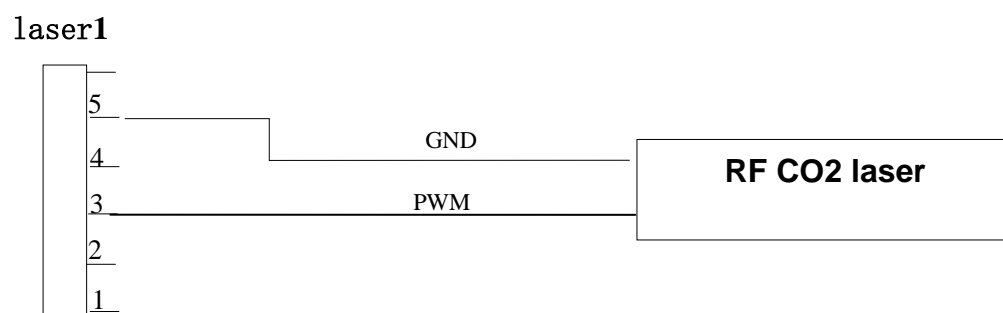
X+,Y+ limit can be controlled by software or by hardware switch

U+,Z+ limit can be controlled by software only which is “soft limit”

## 2 Laser power connection

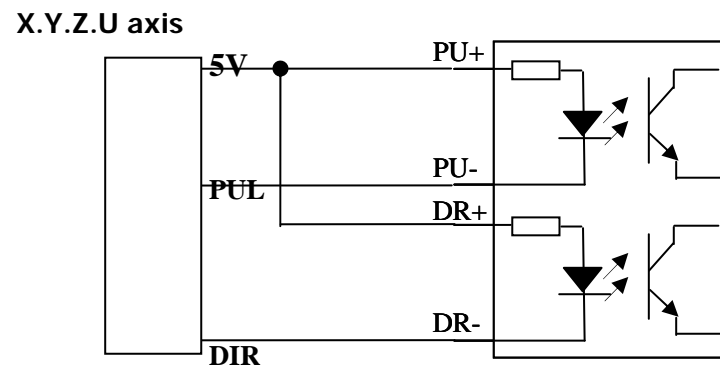


## 3. RF CO2 laser

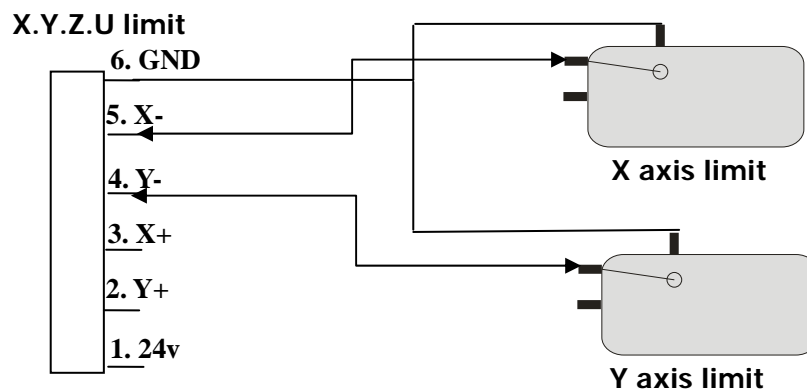


Note: When RF tube is used, the RF type must be selected in the application. Pre-ignition is optional

#### 4. Stepping drive interface



#### 5. X.Y.Z.U Limit switch connection



Note: If the limit is controlled by the software, the Positive (+) means level high (5V) active and Negative (-) means that it is level low active. There is a new feature on this card, you can use either hardware or software for X and Y limit controlling. The parking is always controlled by a hardware limit switch regardless. It apply to X, Y, U, and Z. You can install up to four limit switches for X and Y. For the U and Z, the limit is always 'soft limit' except for the parking which is a hardware limit.