Monostable Mode (One Shot Triggered Output Pulse)			
Jumper:	**J2**	**J5**	**J7**
Position:	Removed	Installed on pin 3-4 (DIS-THR)	Installed on pin 1-2 (R1-DIS)

Pot R1 and Capacitors C2/C3 or external control timing.
Single shot output pulse is generated when Trigger (J9 pin 2) goes from high to low. Needs external pull up and switch to GND, or high/low driven signal
Trigger pin needs external pull up and switch to GND, or high/low driven signal to trigger output pulse.
Trigger pulse should be shorter duration than output pulse width
Info on 555 Monostable mode: https://www.electronics-tutorials.ws/waveforms/555_timer.html

Astable Mode (Oscillator)			
Jumper:	**J2**	**J5**	**J7**
Position:	Installed	Installed on pin 2-3 (R2-DIS)	Installed on pin 1-2 (R1-DIS)

Pots R1and R2, and Capacitors C2/C3 or external control frequency.
Info on 555 Astable mode: https://www.electronics-tutorials.ws/waveforms/555_oscillator.html

Variable Duty Cycle Mode (Oscillator)			
Jumper:	**J2**	**J5**	**J7**
Position:	Installed	Installed on pin 1-2 (D%-R2)	Installed on pin 2-3 (DIS-D%)

Pot R2, and Capacitors C2/C3 or external control frequency.
Pot R3 controls duty cycle

Misc Jumpers			
Jumper:	**J1**	**J3/J4**	**J10**
Function:	555 Reset	Timing capacitor add/remove	Power
Position:	**Installed** = normal run mode **Removed** = manual reset via header pin (J9 Pin 4)	**Installed** = bring C2/C3 into circuit for timing cap **Removed** = C2/C3 not in circuit, use external timing cap on header pin (J9 pin 6 and ground)	**Installed** = power on **Removed** = power disconnected

Header J9 provides 1:1 connections to all 555 pins.
The PCB is powered with VCC on J9 Pin 8, Ground on J9 Pin 1.
VCC should be kept between 4.5v and 12v for compatibility with on board part ratings and different types of 555 chip specs