MINI MIDI IF connecton chart

Revision F

Normal Configuration

DIN 4pin
DIN 5pin

MIDI IN

Narrow — Wide

Gate OUT
Gride IN
Gride OUT
CV OUT
12-9V
GND

Knob oparation Configuration

DIN 4pin
DIN 5pin

MIDI IN

Narrow — Wide

Additional Cap
0.47uF/16V

Gate OUT
Gride IN
Gride OUT
CV OUT
12-9V
GND
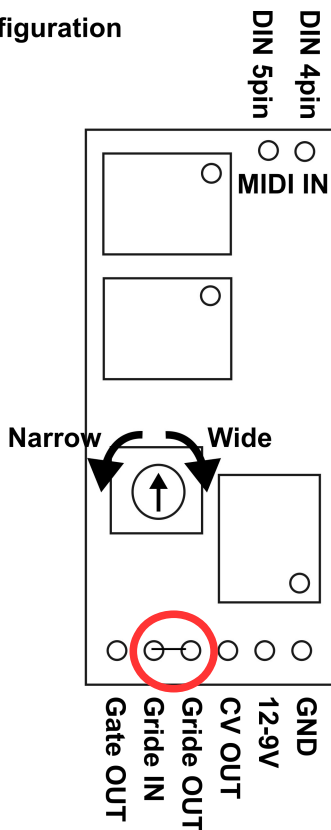
Power Source

Both configurations, needs power source. This board has 3 terminal regurator on board. And you need over 9V for input. 12V is also alright.

Wrong connection + and - may kill the board. Be careful about it

Normal Configuration

Gride will be controled by MIDI only.

Do not install aditional capacitor. And short Gride Out and IN.

Knob oparation Configuration

You can controled gride time by your additional pot. The curve of gride is capacitor discharge curve.

Install aditional capacitor. 0.47uF/16V is recommended. And connect pot between Gride Out and IN.

If you need more long time then increse its value.
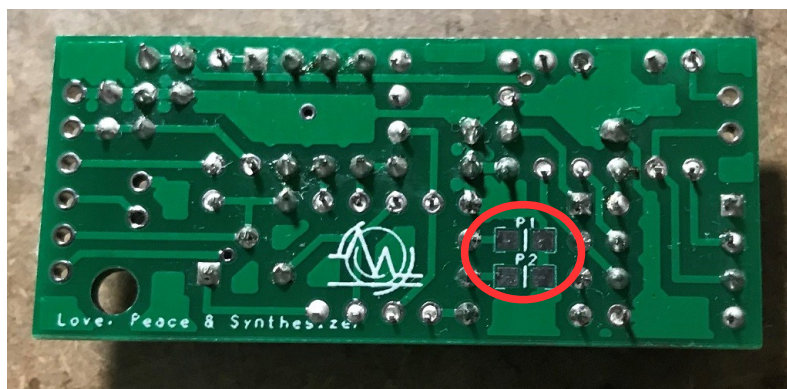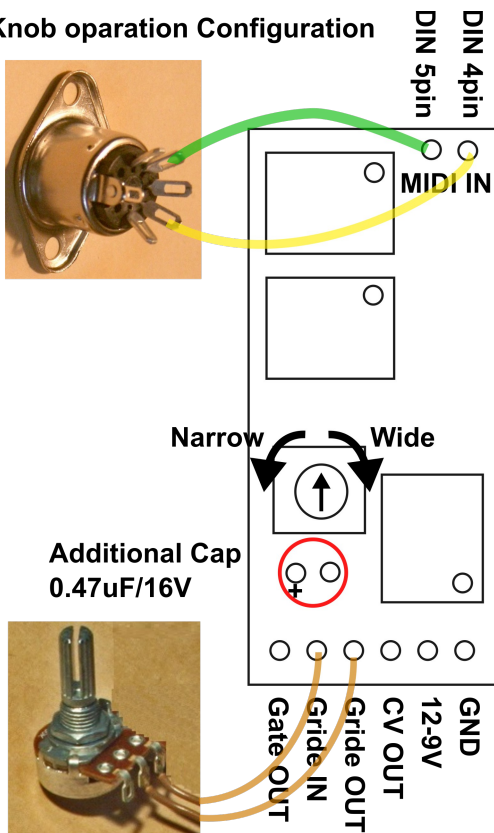
Tunning

You can tune octave span by the trimer on the board. If the span of octave narrow then tweek it to c.w. way. Or if it's wider, tweek it to anti c.w.

Tweeking it, the total tune also flows. It's not easy. Try it!

Changing MIDI Channel

This is back side of the board and you can find the soldering pads marked P1 and P2. You can change MIDI ch by short them.
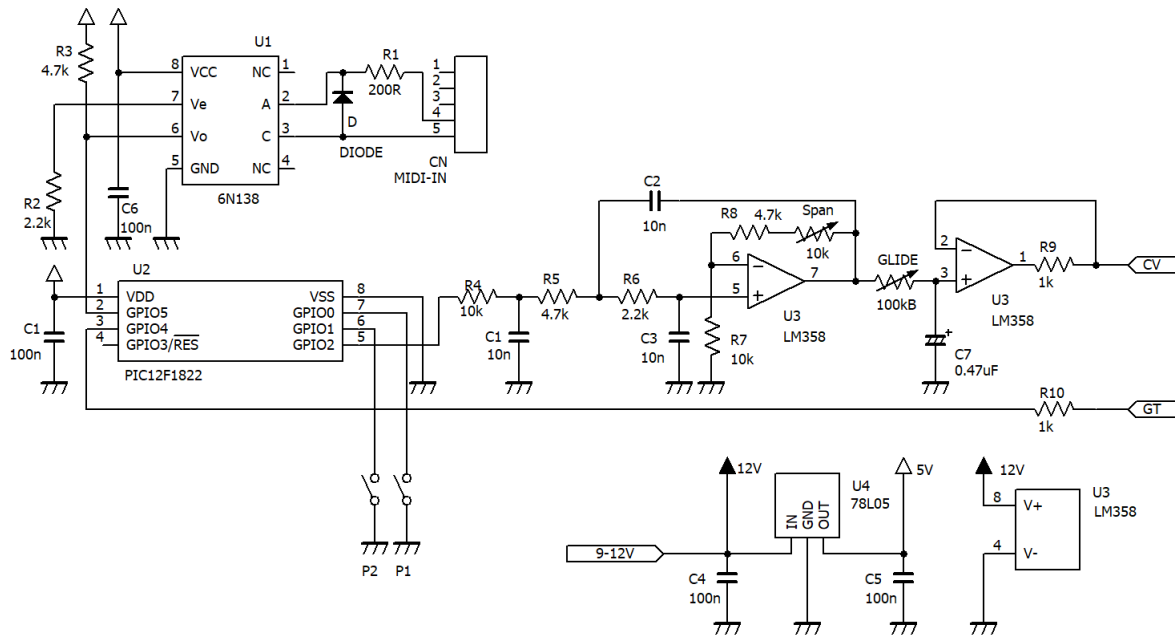
MIDI CH	Short Pads	
	P1	P2
1	Open	Open
2	Short	Open
3	Open	Short
4	Short	Short

(to be continued)

Wen you add the mod on the board, you also need to restart the whole board. MIDI ch is deffined when it restart.

Schematics

MIDI Impliment chart

function		Transmmit	Recive	Memo	
basic Channnel power on		X	1	It can be changed from 1 to 4	
Mode		X	4	Omni Off – Mono mode	
Note #		X	20–127		
Velocity		X	X		
After Touch		X	X		
Pitch Bend		X	O	Depth is set to 2 semitones by default. I can be chaned by CC.	
Ctrl change					
	1	X	O	Modulation wheel	
	5	X	O	Glide rate	
	76	X	O	Modulation Rate for vibrate	
	98,99	X	O	NRPN LSB, MSB	
	100.101	X	O	RPN LSB, MSSB	
	120	X	O	All Sound Off	
Prog change		X	X		
Common					
	Song Pos	X	X		
	Song Sel	X	X		
	Tune Req	X	X		
RalTime					
	Clock	X	X		
	Active Sensing	X	X		
	Commands	X	X		

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Revision F

based on MINI MIDI IF rev F

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