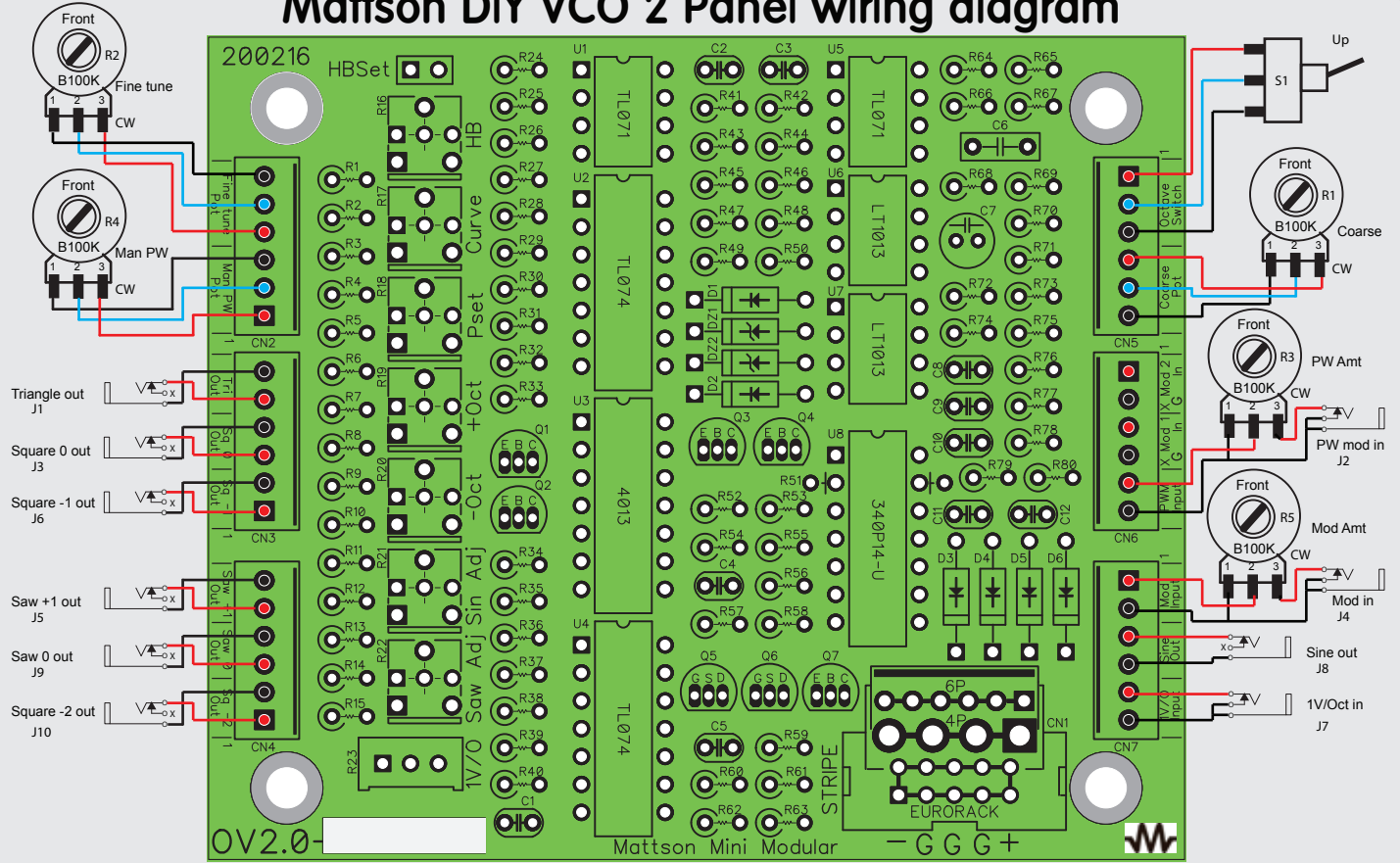


# Mattson DIY VCO 2 Panel wiring diagram



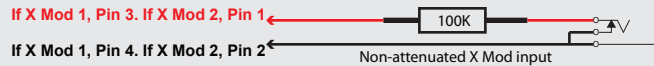
**Panel components required:**  
 Qty 10, TS Jacks, switched, Normally closed. J1-J10  
 Qty 5, B100K Potentiometers (Linear). R1-R5  
 Qty 1, Switch, SPDT 3-position On-Off-On. S1

## Additional DIY Pitch input options for DIY using X Mod 1 and X Mod 2 ports

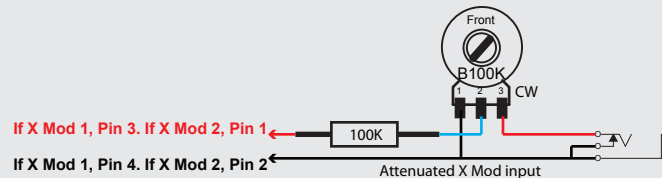
There are two additional Pitch related input ports available for the DIY customers that aren't utilized in the full production modules. But, they're available if the builder desires to use them.

These can be utilized as additional pitch modulation inputs. Connector **CN6, Pins 3 and 4** are available for **X Mod 1** input and **CN6, Pins 1 and 2** are available for **X Mod 2** input. Either, or both ports can be utilized.

### 1) A non-attenuated input requires another switched jack and a 100K resistor:



### 2) An attenuated input requires a switched jack, a 100K resistor and another B100K pot.



### 3) A precision 1V/O input requires a switched jack, a 33K 1% and 56K 1% resistors and a B100K trim pot. A single turn trim works. But, a multi-turn is better.

