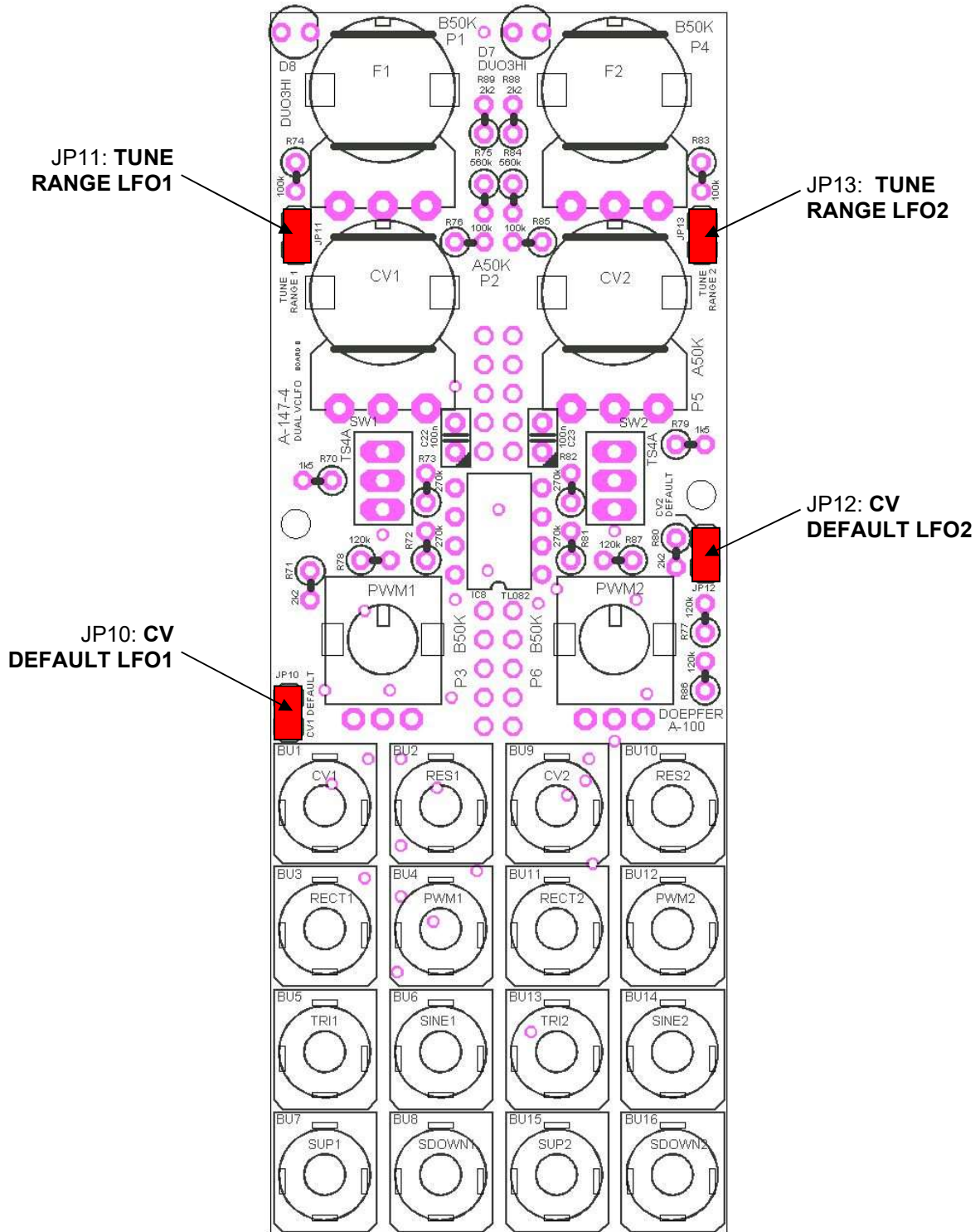




# A-147-4 Dual VCLFO

Position and function of the pin headers and trimming potentiometers Board B



## Functions of the pin headers

### Board A

JP1	bus connection
JP2A/B	internal connection between board A and B
JP3A/B	internal connection between board A and B
JP4	Frequency Range LFO2 jumper installed: low frequency range jumper not installed: high frequency range
JP5	Rectangle DC Offset Range LFO2 jumper installed: bipolar/symmetrical rectangle (~ -5V/+5V) jumper not installed: unipolar/positive rectangle (~ 0V/+10V)
JP6	Frequency Range LFO1 jumper installed: low frequency range jumper not installed: high frequency range
JP7	Rectangle DC Offset Range LFO1 jumper installed: bipolar/symmetrical rectangle (~ -5V/+5V) jumper not installed: unipolar/positive rectangle (~ 0V/+10V)
JP8	Reset Type LFO1 jumper installed: level controlled reset (reset is active as long as the reset input is high) jumper not installed: positive edge controlled reset
JP9	Reset Type LFO2 jumper installed: level controlled reset (reset is active as long as the reset input is high) jumper not installed: positive edge controlled reset
JP14	Dummy Pin Header (Jumper Parking): parking of unused jumpers
JP15	Dummy Pin Header (Jumper Parking) : parking of unused jumpers

### Board B

JP10	Default CV LFO1 jumper installed: CV input socket is normalled to a positive voltage (~ +5V) jumper not installed: no normalling of the CV input socket
JP11	Tune Range LFO1 jumper installed: wide range of the manual frequency control F jumper not installed: small range of the manual frequency control F
JP12	Default CV LFO2 jumper installed: CV input socket is normalled to a positive voltage (~ +5V) jumper not installed: no normalling of the CV input socket
JP13	Tune Range LFO2 jumper installed: wide range of the manual frequency control F jumper not installed: small range of the manual frequency control F

## Functions of the trimming potentiometers

### Board A

- P7 Frequency Offset LFO2
- P8 Frequency Scale LFO2 (factory setting: 1V/Oct when CV control is fully CW)
- P9 Triangle DC Offset LFO2 (factory setting: bipolar/symmetrical triangle)
- P10 Sine Adjust LFO2 (factory setting: best sine shape)
- P11 Sawtooth DC Offset LFO2 (factory setting: bipolar/symmetrical sawtooth)
  
- P12 Frequency Offset LFO1
- P13 Frequency Scale LFO1 (factory setting: 1V/Oct when CV control is fully CW)
- P14 Triangle DC Offset LFO1 (factory setting: bipolar/symmetrical triangle)
- P15 Sine Adjust LFO1 (factory setting: best sine shape)
- P16 Sawtooth DC Offset LFO1 (factory setting: bipolar/symmetrical sawtooth)
  
- P17 Reset Voltage  
(this is the voltage where the triangles of LFOs start after a reset, the factory setting is 0V)

**Important note:** Please change the trimming potentiometer settings only if you are familiar with such adjustments and you understand the functions. For modules which are returned by the customer with mis-adjusted trimming potentiometers the working time required to correct the adjustment is charged.