

OkkieNext 4x4

The **OkkieNext 4x4** is a current detection module with 16 inputs for 16 track sections and 16 outputs for connection with a detection encoder like the Arcomora ArLoco module. The inputs and outputs are electrically separated by opto couplers.

The **OkkieNext 4x4** has 4 groups with each 4 inputs and a common input.

In that way you have 4 independant groups for current detection.

By placing jumpers the groups can be combined to form groups of 4, 8, 12 or 16 inputs.

With jumper 1, groups C and D are connected to form 3 groups of 4, 4 and 8 inputs.

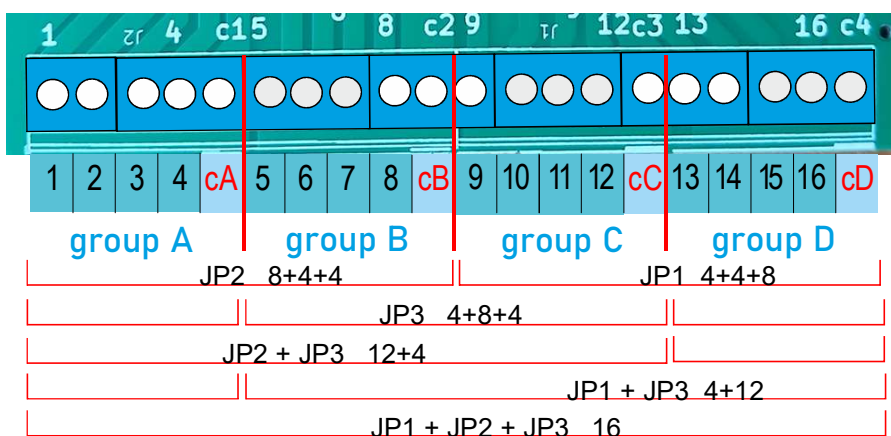
With jumper 2, groups A and B are connected to form 3 groups of 8, 4 and 4 inputs.

With jumper 3, groups B and C are connected to form 3 groups of 4, 8 and 4 inputs.

With jumpers 1 and 3, groups B, C and D are connected to form 2 groups of 4 and 12 inputs.

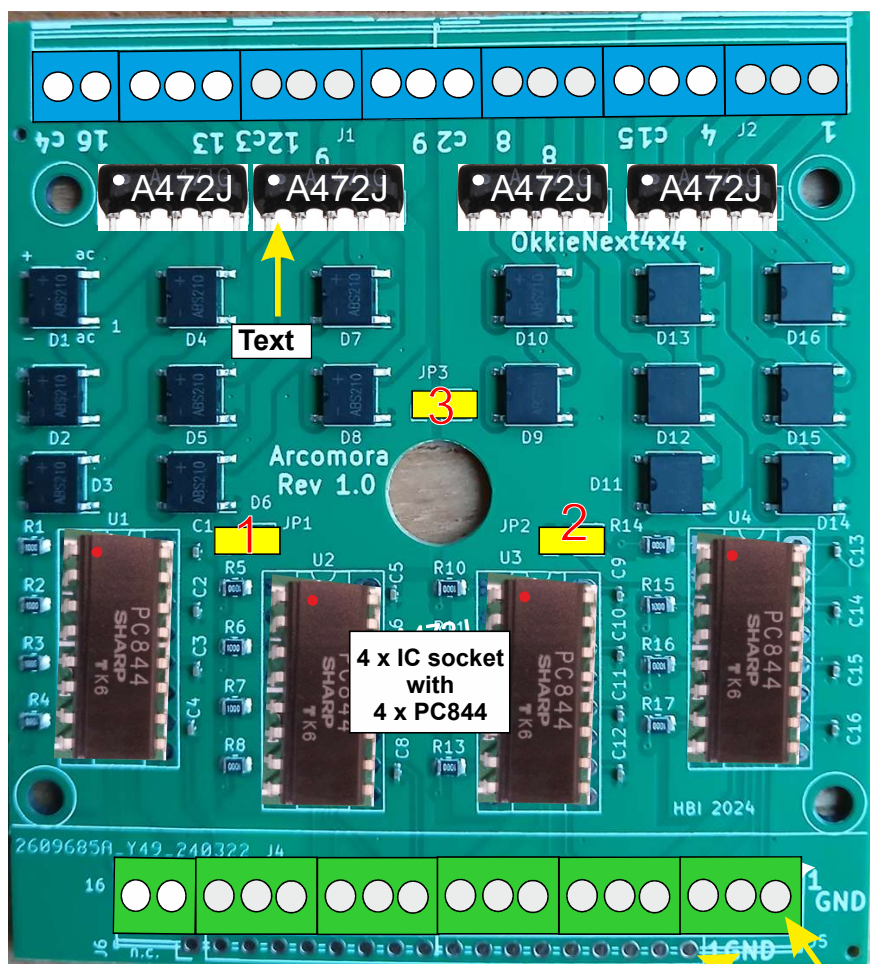
With jumpers 2 and 3, groups A, B, and C are connected to form 2 groups of 12 and 4 inputs.

With jumpers 1, 2 and 3, groups A, B, C and D are connected to form a single group of 16 inputs.



Assembling the OkkieNext4x4

- 1) Place the 4 IC-sockets.
- 2) Place the 4 resistor array's as indicated. Note the correct orientation!
- 3) Shift all blue screw terminals into each other and place as indicated.
- 4) Shift all green screw terminals into each other and place as indicated. Or use a strip of 17 Dupont pins.
- 5) Place 3 2-pins Dupont pins at the indicated jumper positions.
- 6) Place the yellow jumpers on the Dupont pins as required.
- 7) Place the 4 IC's PC844. Note the correct orientation!



16 outputs to ArLoco

GND