



YELLOW – pins for Sharp LCD. For basic function, only SCK, MOSI and SCS are required. Every display pin has permanent IO pin assigned, marked on the solder pad side.

ORANGE – left position (left + middle pad) will permanently turn off 5V StepUp, right position (middle + right pad) will permanently turn on 5V StepUp.

RED – if Orange is intact, Red pad will connect StepUp ChipEnable to IO45.

-> **BUG in v1:** IO45 cannot be used as output 1. You can solder jumper wire between right pad of RED and different IO, for example IO42.

BLUE – will connect 5V from USB with +5V for Display. This is usable for scenario, where the USB will be used without battery and StepUp is not used/populated.

GREEN - for MCP73831 Li-ion charger, right position (middle + right pad) must be soldered.

- for MP2667, no connection on Green is needed

- for USB power without battery, left position (left + middle pad) must be soldered.

PINK – connects Interrupt pin from Li-ion chargers to IO10.