# USB-power module

This is a very simple board performing the following functions:

- USB B socket (main USB (slave) and +5V power)
- USB A socket (for USB host)
- Toggle switch for USB host
- 3.5mm jack for footswitch/gate or other input/output (audio?)
- Headers to draw +5V directly off the USB power buss.

## Schematic

## BOM v1.0 (plceholder)

| Type | Qty | Value | Package | Parts | Mouser | Reichelt | Conrad | Other | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Resistors** | | | | | | | | | |
| | 4 | ~1k 5% | THT | R1-4 | | | | | depends on LEDs |
| **Capacitors** | | | | | | | | | |
| | 1 | 100n | 1206 or THT | C1 | | | | | |
| **LEDs** | | | | | | | | | |
| | 1 | Green | 2*3*4 | | | | | eBay | use whatever colours |
| | 1 | Orange | 2*3*4 | | | | | eBay | |
| | 1 | Red | 2*3*4 | | | | | eBay | |
| | 1 | Blue | 2*3*4 | | | | | eBay | |
| **Switch** | | | | | | | | | |
| | 1 | tact low profile | | | MJTP1117 | | 700310-62 | | |
| **Headers** | | | | | | | | | |
| | 1 | 2*8 | **SMT** male | | | | | | could use a longer strip |
| **Sockets** | | | | | | | | | |
| | 1 | SD | | SD-RSMT-2-MQ | | | | | |
| **Hardware** | | | | | | | | | |
| | 2 | M3 Spacer | 5mm(?) | | | | | | |

## Versions

v1.0: first release.

# Assembly

## License

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