

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 (placeholder)

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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