# **RES-SD** module

This is a very simple board performing three functions:

- SD card socket
- Reset button
- Indicator LEDs

## **Schematic**

Connector J16E (SMT male header) carries 3v3 power and data signals for the SD card, along with the Reset and "LED" signals.

The Reset button has a damping capacitor.

The LEDs are connected through limiting resistors. The cathode pins are closest to the edge of the board.

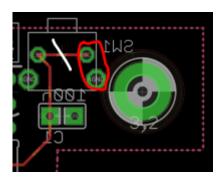
## **BOM v1.0**

Туре	Qty	Value	Package	Parts	Mouser	Reichelt	Conrad	Other	Notes
Resis	_	ı							
	4	~1k 5%	ТНТ	R1-4					depends on LEDs
Capa	citor	S							
	1	100n	1206 or THT	C1					
LEDs									
	4	Green	2*3*4					eBay	
	4	Orange	2*3*4					eBay	
	4	Red	2*3*4					еВау	
	4	Blue	2*3*4					еВау	
Swite	h	•	•			•			•
	1	tact low profile			MJTP1117		700310-62		
Head	ers								
	1	2*8	SMT male						could use a longer strip
Sock	ets	•							
	1	SD		SD-RSMT-2-MQ					
Hard	ware	)							
	2	M3 Spacer	5mm(?)						

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## **Versions**

v1.0: first release. **Important!** v1.0 boards have an error with the Reset switch. All boards should have one trace cut (shown in white), but it is required to bridge a pin with the adjacent mounting pin (as circled in red)



## **Assembly**

The following build order is suggested:

### License

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