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

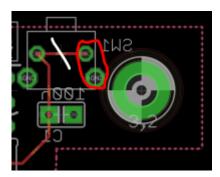
Тур	ре	Qty	Value	Package	Parts	Mouser	Reichelt	Con	rad	Other	Notes
Resistors											
	4	4	~1k 5	% THT	R1-4						depends on LEDs
Cap	oac	itor	S				•				
11	1 100n			1206 or THT	C1						
LEC)s										
4 0	Green			2*3*4					еВа	у	
4 0	Orange			2*3*4					еВа	У	
4 F	Red			2*3*4					еВа	у	
4 E	Blue	9		2*3*4					еВа	у	
Sw	itc	h									
1 t	act	low	profile		MJTP1	117	700310	- 62			
He	ade	ers									
1 2	2*8			SMT male						coul	d use a longer strip
Soc	cke	ets									
1 5	1 SD			SD-RSMT-2-MQ							
Hai	rdv	vare	1								
2 1	13 9	Spac	er	5mm(?)							

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

Last update: 2017/09/07 20:21

(as circled in red)



Assembly

The following build order is suggested:

License

Currently the design is $\ \odot$ 2017 antilog devices with all rights reserved; all documentation is CC BY-NC-SA 3.0.

From:

http://www.midibox.org/dokuwiki/ - MIDIbox

Permanent link:

http://www.midibox.org/dokuwiki/doku.php?id=wcore_res-sd&rev=1504815698

Last update: 2017/09/07 20:21

