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

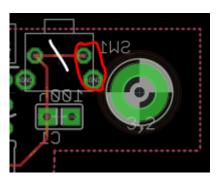
Ту	pe	Qty	Value	Package	Parts	Mouser	Reichelt	Con	rad	Other	Notes
Resistors											
		4	~1k 5	% THT	R1-4						depends on LEDs
Capacitors											
1	100)n		1206 or THT	C1						
LEDs											
4	Gre	en		2*3*4					еВа	у	
4	Ora	nge		2*3*4					еВа	у	
4	Rec	ł		2*3*4					еВа	у	
4	Blu	e		2*3*4					еВа	y	
Switch											
1	tact	t low	profile		MJTP1	117	700310	- 62			
Headers											
1	2*8			SMT male						coul	d use a longer strip
Sockets											
1	SD				SD-RS	MT-2-MC)				
Hardware											
2	М3	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 © 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

