

## MOD-SD MMC development board

### User's manual



Pb-free, Green All boards produced by Olimex are ROHS compliant

Revision B, November 2013

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## **INTRODUCTION:**

MOD-SDMMC is module board with SD/MMC connector on it. The board is excellent extension for development boards without SD/MMC, but with UEXT. You can connect the board via its 10 pin cable to the UEXT of another board and enjoy the enormous variety of SD/MMC applications.

## **BOARD FEATURES:**

- UEXT connector
- BAT connector
- SD/MMC\_SOCKET
- 10 pin cable for the UEXT connector
- FR-4, 1.5 mm, red soldermask, component print
- Dimensions:38.00 x 31.00mm (1.50 x 1.22")

## **ELECTROSTATIC WARNING:**

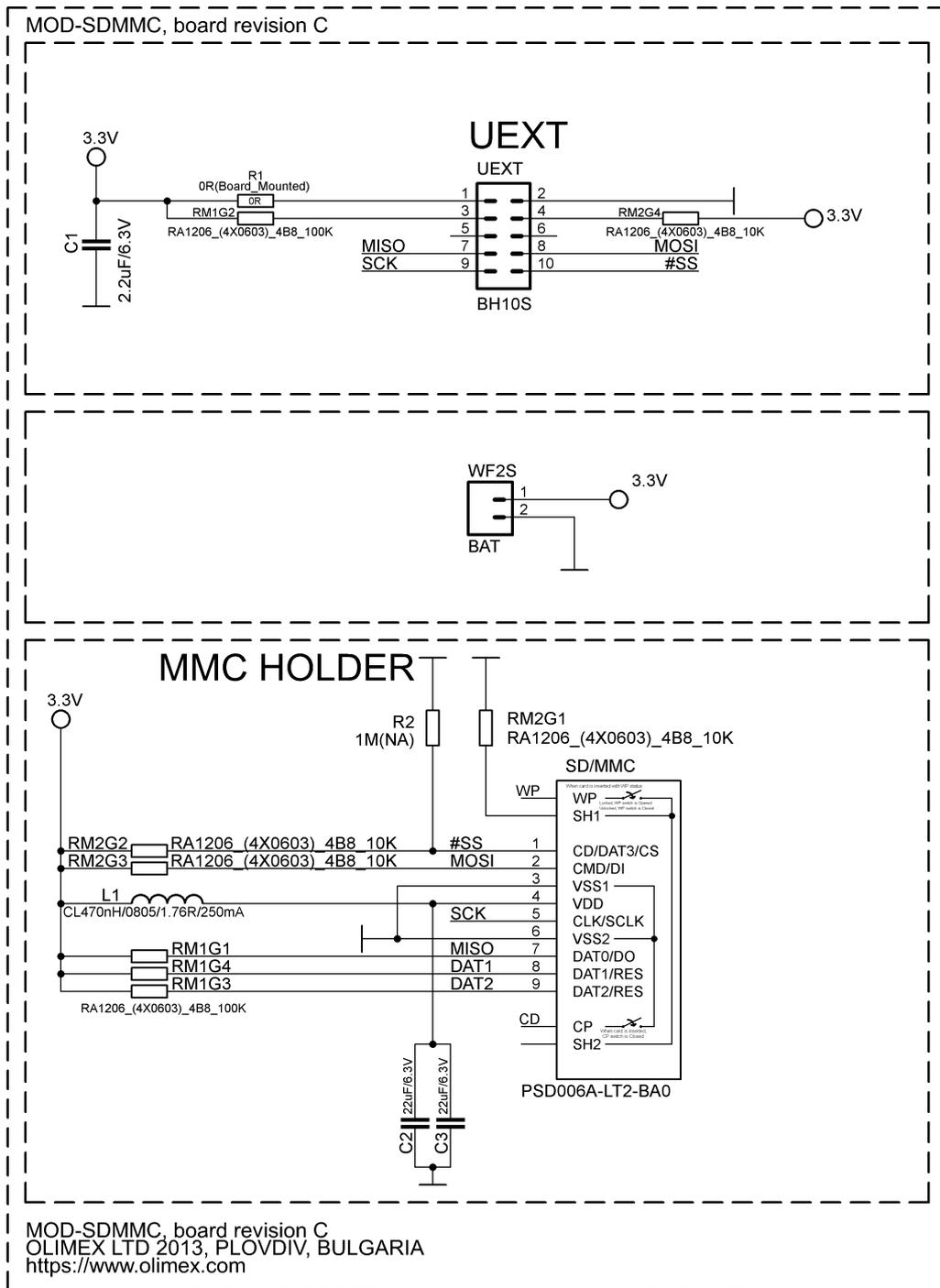
The MOD-SDMMC board is shipped in protective anti-static packaging. The board must not be subject to high electrostatic potentials. General practice for working with static sensitive devices should be applied when working with this board.

## **BOARD USE REQUIREMENTS:**

**Cables:** The boards is shipped with 10 pin cable for the UEXT connector.  
**Hardware:** Some of OLIMEX's boards with UEXT.

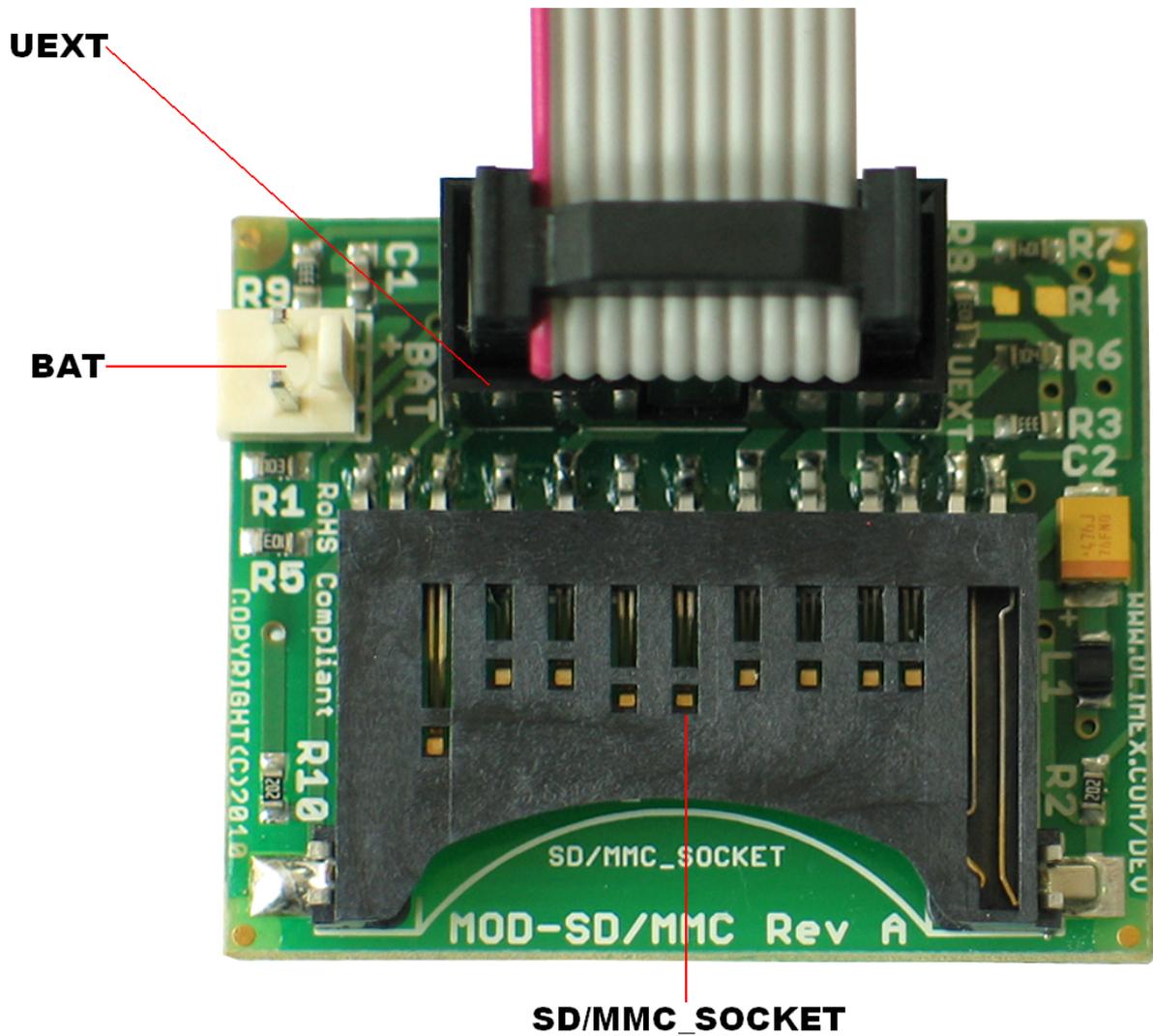
# SCHEMATIC:

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You can find a searchable schematic at the web page of the MOD-SDMMC.

## BOARD LAYOUT:



## POWER SUPPLY CIRCUIT:

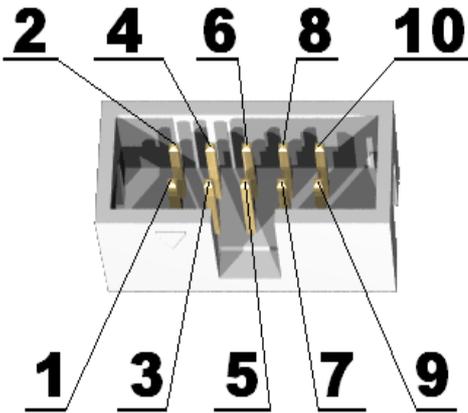
MOD-SD\_MMC can take power from:

- + 3.3V via BAT connector.
- UEXT connector

**EXTERNAL CONNECTORS DESCRIPTION:**

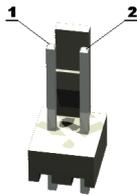
**UEXT:**

Pin #	Signal Name
1	3.3V
2	GND
3	WP
4	CP
5	DAT1
6	DAT2
7	MISO
8	MOSI
9	SCK
10	#SS



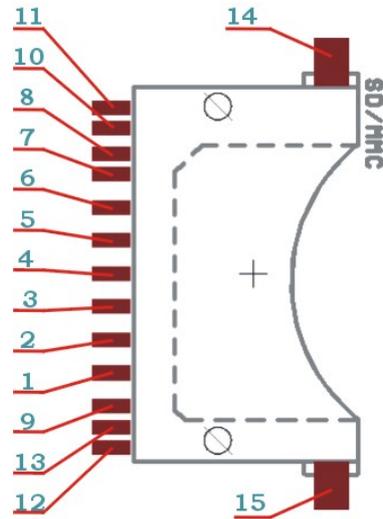
**BAT**

Pin #	Signal Name
1	VCC
2	GND

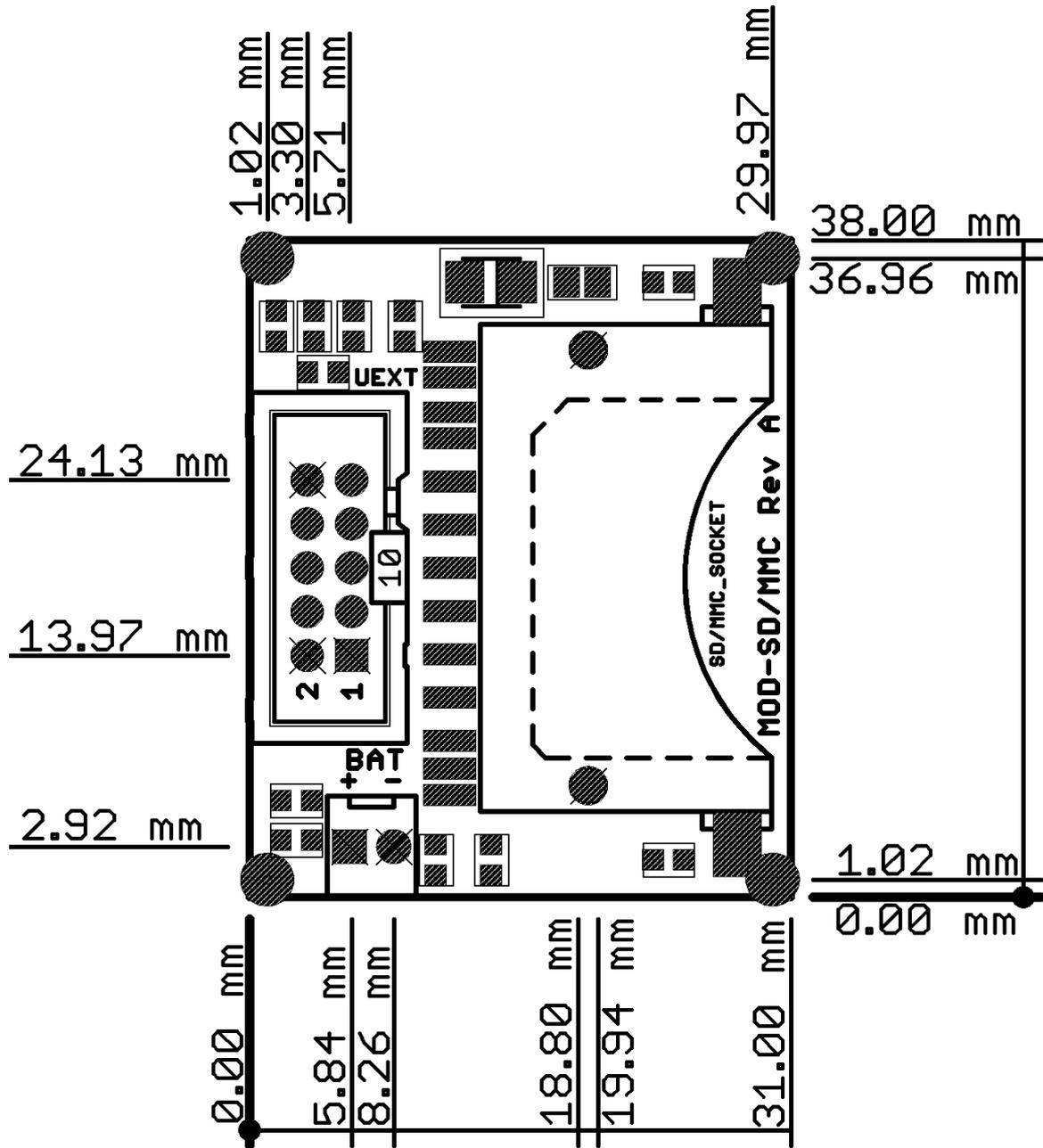


## SD/MMC:

Pin #	Signal Name
1	#SS
2	MOSI
3	GND
4	VCC
5	SCK
6	GND
7	MISO
8	DAT1
9	DAT2
10	WP
11	pull-down
12	pull-down
13	CP
14	pull-down
15	pull-down



MECHANICAL DIMENSIONS:



## **ORDER CODE:**

MOD-SDMMC - assembled and tested board

### **How to order?**

You can order directly from our web shop or via our distributors.  
Check our web site <https://www.olimex.com> for more info.

### **Revision history:**

Board's revision:	Rev. A, April 2011
	Rev. C, November 2013
Manual's revision:	Rev. Initial, June 2011
	Rev. B, November 2013

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