

## DATA SHEET

FEBRUARY 2016

### MULTIFUNCTIONAL BREAKOUT BOARDS

Small, versatile and easy to use! Use these SMD prototyping boards by connecting them to your existing circuits in order to perform tests and build prototypes. These mini modules are also perfect for use with Arduino or other CPU based interfaces.

#### DIGITAL TEMPERATURE SENSOR BOARD MM101

Converts temperature to a digital bit stream signal.



#### ANALOG HUMIDITY SENSOR BOARD MM102

Converts humidity to analog voltage.



#### ANALOG PRESSURE SENSOR BOARD MM103

Converts barometric pressure to analog voltage.



#### LI-ION BATTERY CHARGER BOARD MM104

Can be used to charge a single 3.7V Li-ion element.



#### 5V RELAY BOARD MM105

Converts digital (0/3-5V) signal to relay 1A contact.



#### OPTO-ISOLATOR BOARD MM106

Provides galvanic isolation (voltage in > open collector out).



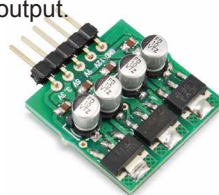
#### RS485 DRIVER BOARD MM107

Converts serial TTL to RS485 signal.



#### 3,3 / 5 / 9V POWER SUPPLY BOARD MM108

Provides 3 output voltages: 12V input > 3.3V / 5V / 9V output.



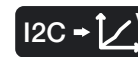
#### LIGHT SENSOR BOARD MM109

Converts light to voltage (max 6V / 20mA).



#### DIGITAL TO ANALOG CONVERTER BOARD MM110

Converts I2C digital to analog.



#### ANALOG TEMPERATURE SENSOR BOARD MM111

Converts temperature to voltage.



#### ANALOG TO DIGITAL CONVERTER BOARD MM112

12 Bit analog voltage to digital I2C converter.

