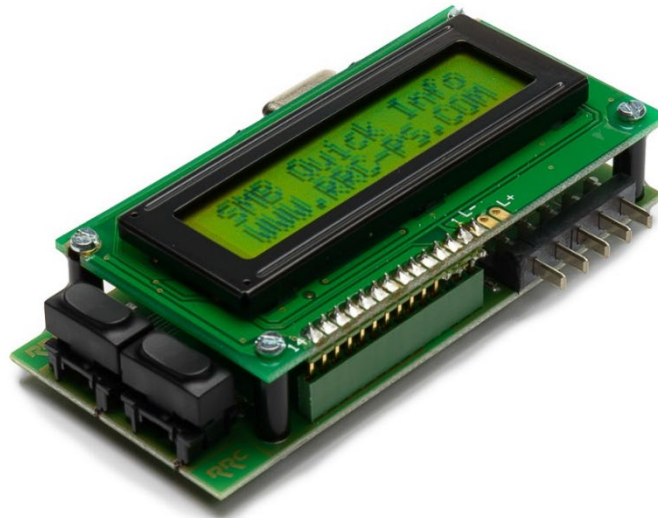


## SMBus-Reader

### Design-In Tool

P/N: 100122



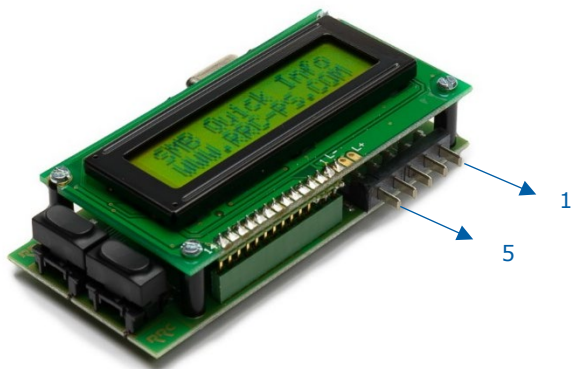
## Features

- Simple and easy read out of SMBus batteries
- Display information directly from the battery, controlled by only two buttons
- No external PSU required
- Compatible with all SMBus batteries with 5-way blade connector
- All information displayed could be sent via standard RS232 interface to a connected host
- Screen: 16\*2

## Applications

The ideal and essential SMBus battery diagnostic tool for development engineers

Pin Configuration



| Pinout | Symbol | Description          |
|--------|--------|----------------------|
| 1      | (-)    | Battery Ground Pin   |
| 2      | (T)    | Identifier           |
| 3      | (D)    | SMBus Data           |
| 4      | (C)    | SMBus Clock          |
| 5      | (+)    | Battery Positive Pin |

Specification

| Mechanical Details            |                          |                                                  |
|-------------------------------|--------------------------|--------------------------------------------------|
| Dimensions (LxWxH)            | 94.00 x 58.00 x 25.00mm  |                                                  |
| Weight                        | 75g                      |                                                  |
| Compliance                    |                          |                                                  |
| Regulatory Approvals          | Europe                   | CE                                               |
| Material Compliance           | Europe                   | RoHS 2011/65/EU + 2015/863/EU<br>REACH 1907/2006 |
|                               | USA                      | PROP65                                           |
| Electromagnetic Compatibility | Emissions                | EN55032:2015                                     |
|                               | Immunity Characteristics | EN55024:2010                                     |

## Displayed SMBus Quick Info

| Display Information      | Value        |
|--------------------------|--------------|
| Start Screen             |              |
| Software Version         |              |
| Send Data Info           |              |
| Battery Uses PEC         | YES or NO    |
| Time Alarm               | min          |
| Capacity Alarm           | mAh          |
| Time to Full             | min          |
| Time to Empty            | min          |
| Charging Current         | mA           |
| Charging Voltage         | mV           |
| Max. Error               | %            |
| Cycle Count              | #            |
| Mode Register            | Hex          |
| State Register           | Hex          |
| Design Voltage           | mV           |
| Design Capacity          | mAh          |
| Absolut State of Charge  | %            |
| Full Capacity            | mAh          |
| Remaining Capacity       | mAh          |
| Relative State of Charge | %            |
| NTC Measured             | Ohm          |
| Temperature              | K and C      |
| Current (SMBus)          | mA           |
| Voltage Measured         | mV           |
| Voltage (SMBus)          | mV           |
| Manufacture Date         | YYYY/MM/DD   |
| Serial Number            | #            |
| Specification ID         |              |
| Chemistry                | LION e.g.    |
| Battery Name             | RRCxxxx e.g. |
| Manufacturer             | RRC e.g.     |

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