



**Product Description:**

The purpose of the Printed Circuit Board Assembly (PCBA) is to provide an MSRx Charge Controller with an RS485 Com Port, Data Logging and four 4-20mA Outputs.

The PCBA is designed to be mounted under the MSRx Control PCBA. It is more cost effective and occupies less space than if the same functions were provided by individual MSRx DIN rail modules.

The PCBA is fully tested and calibrated when manufactured.

**LED Indication:**

The STATUS LED will flash to indicate that the unit has communication with the MSRx Control PCBA for the 4-20mA Outputs and the COMMS LED will flash to indicate when the MSRx Controller is transmitting on the RS485 Communication Port.

**Option Links:**

Inserting a link on LP1 positions 1, 2, 3, 4 will adjust the 4-20mA Output to be 2-18mA for that Output. This allows the outputs to be used for System Load Current in a Dual Charge Controller configuration.

**Connections:**

- 10-way Ribbon Cable from MSRx Control PCBA Expansion Port
- 2-part PCB Terminal Blocks for Control Panel wiring to DIN Rail Terminals

**Product Specification:**

PCBA Part Number - Name	402029 - MSRx 4x4-20mA Outputs & RS485 Port PCB Assembly
PCBA Dimensions:	185mm x 95mm x 25mm (high)
PCBA Weight:	135g
Terminal Cable Size:	2.5mm <sup>2</sup>
Temperature Rating:	0-70°C Operation
Power Consumption:	Quiescent Power: 270mW
4-20mA Outputs:	4-20mA loop power must be supplied by the connected equipment
Manufacturer:	The Micha Design Company Limited, United Kingdom
Country of Origin / HS Code:	United Kingdom / Commodity Code: 90328900