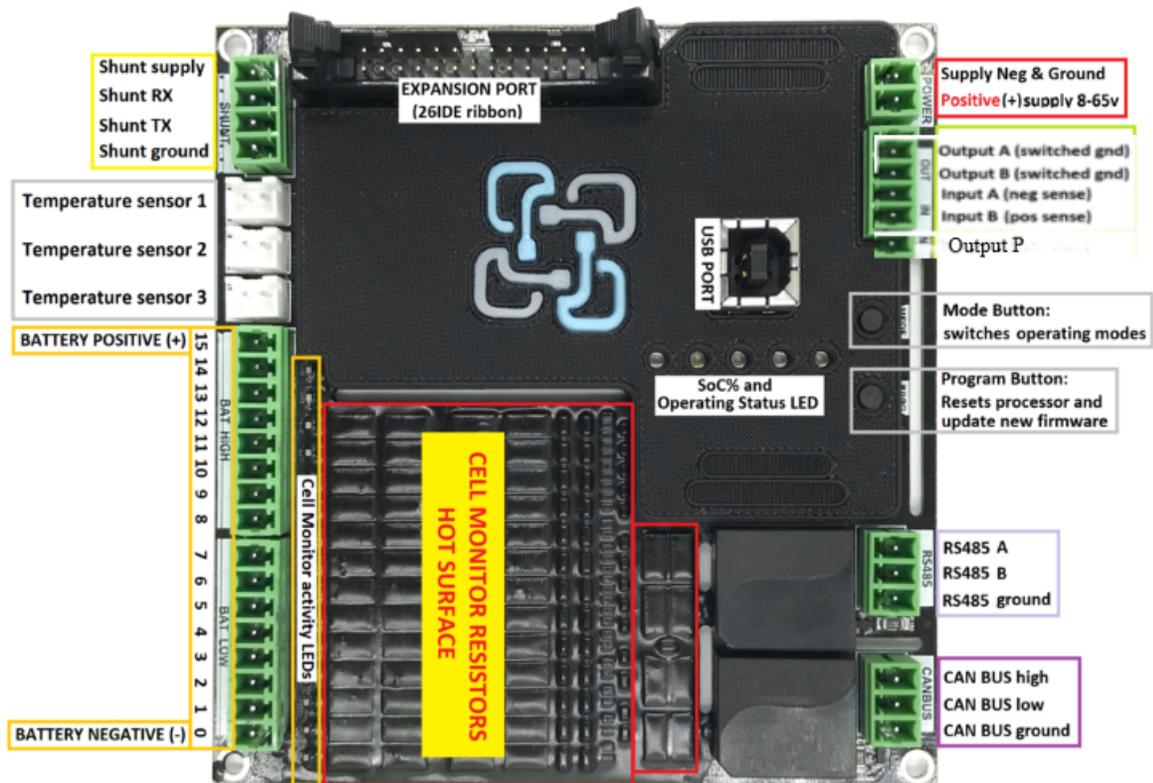


WatchMonPlus Hardware Pin Assignment

WatchMonPlus



Dimensions

- 110mm x 109mm x 35mm
- fits in a 110mm dinrail holder. allow extra space for the dinrail holder

Pin Outputs – Battery Terminals - WM5

Pin	Name	Details
00	Battery Negative (-)	BMS Cell Monitor Terminals
01	Battery Low Plug	BMS Cell Monitor Terminals
02		BMS Cell Monitor Terminals
03		BMS Cell Monitor Terminals
04		BMS Cell Monitor Terminals
05		BMS Cell Monitor Terminals
06		BMS Cell Monitor Terminals
07		BMS Cell Monitor Terminals
08	Battery High Plug	BMS Cell Monitor Terminals
09		BMS Cell Monitor Terminals
10		BMS Cell Monitor Terminals
11		BMS Cell Monitor Terminals
12		BMS Cell Monitor Terminals
13		BMS Cell Monitor Terminals
14		BMS Cell Monitor Terminals
15	Battery Positive (+)	BMS Cell Monitor Terminals

Pin Outputs - Battery Terminals - WM7

Pin	Name	Details
00	Battery Negative (-)	BMS Cell Monitor Terminals
01	Battery Low Plug	BMS Cell Monitor Terminals
02		BMS Cell Monitor Terminals
03		BMS Cell Monitor Terminals
04		BMS Cell Monitor Terminals
05		BMS Cell Monitor Terminals
06		BMS Cell Monitor Terminals
07		BMS Cell Monitor Terminals
08	Battery High Plug	BMS Cell Monitor Terminals
09		BMS Cell Monitor Terminals
10	Battery Positive (+)	BMS Cell Monitor Terminals

Pin Outputs – Shunt terminals

Pin	Name	Details
0S	Shunt - Supply	Current sensor - Supply (isolated)
OR	Shunt - RX	Current sensor - RX comm (isolated)
OT	Shunt - TX	Current sensor - TX comm (isolated)
OG	Shunt - Ground	Current sensor - Ground (isolated)

Pin Outputs – Side Terminals

Pin	Name	Details
31	Expansion Port	26pin Expansion Port

Pin Outputs - Power

Pin	Name	Details
SN	Power - N	Supply Power Neg & Ground
SP	Power - P	Supply Power Positive (8-65V)

Pin

Outputs - Mosfets

Pin	Name	Details
OA	Output A	Output A - (switched gnd)
OB	Output B	Output B - (switched gnd)
IA	Input A	Input A - (neg sense)
IB	Input B	Input A - (pos sense)
OP	OutPut P	Output P - Ground Power (isolated)

Pin Outputs - CANbus

Pin	Name	Details
CH	CANbus High	CANbus High
CL	CANbus Low	CANbus Low
CG	CANbus Ground	CANbus Ground (isolated)

Remote Communication

- WiFi connectivity (normal, disabled, or read only)
- Can-Bus communication port to remote systems