

[illegible]

* Red LED = Charging
 * Green LED = USB Power
 * Blue LED = VIN Power

[illegible][illegible][illegible]

97740102431R

M1

M2

P1 OpenMV OpenMV Logo	P2 OpenMV OpenMV Logo	P3 ROHS ROHS Logo	P4 WEEE WEEE Logo
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The schematic diagram illustrates a power supply and control system. It features a 12VDC input at the top left, which feeds into a power regulation section. This section includes a 12VDC output, a 5VDC output, and a 3.3VDC output. The power regulation section is composed of several integrated circuits (ICs), including a 12VDC regulator, a 5VDC regulator, and a 3.3VDC regulator. The control section is located in the center of the diagram and includes a microcontroller (MCU) and various support components. The signal processing section is located at the bottom of the diagram and includes a signal processor and various support components. The layout is organized into several functional blocks, including a power input section, a power regulation section, a control section, and a signal processing section. The components are interconnected by a network of traces, with various labels and values indicating the specific components and their connections. The diagram is a top-down view of the PCB, showing the physical layout of the components and the routing of the traces.

The diagram shows a 16-bit parallel adder circuit using two 8-bit 74LS283 adders. The first adder (U1) takes two 8-bit inputs (A and B) and produces an 8-bit sum (S1) and a carry-out (C1). The second adder (U2) takes the 8-bit sum (S1) and the carry-in (C1) and produces the final 16-bit sum (S2) and a carry-out (C2). The carry-out (C2) is connected to the carry-in of the first adder (U1).

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