

PMP11474 Rev C

**100W USB Type C PD
Power Monitoring Dongle**

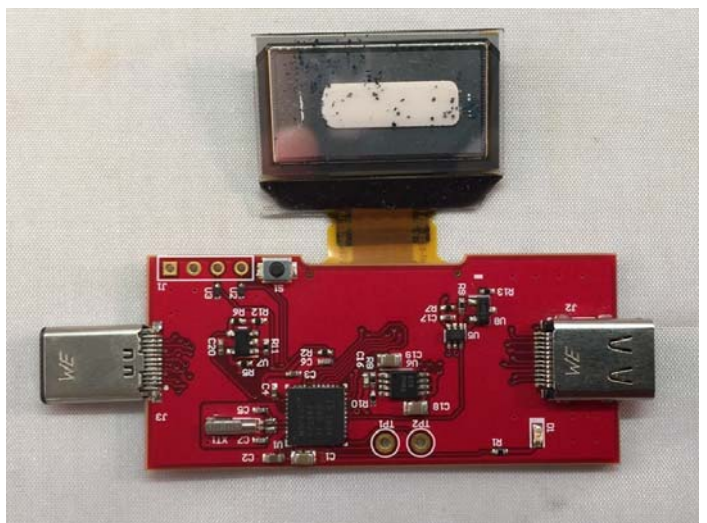
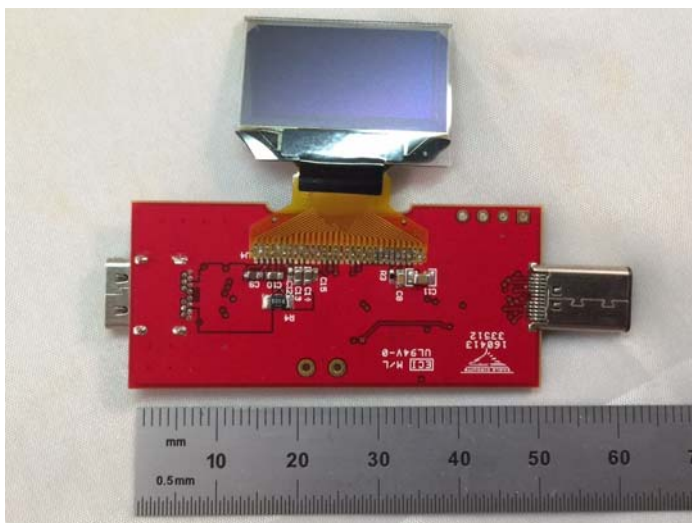
USER GUIDE

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1 Photos

The photographs below show the PMP11474 Rev C prototype assembly.



2 Design Specifications

Parameter	Range
Bus Voltage	0V to 20V
Bus Current	-5A to +5A

3 Description

This reference design measures the voltage and current present on a USB type C cable. Current is monitored across a 5 mΩ sense resistor by an INA213 current amplifier. Voltage is monitored by an LM321 amplifier. These measurements are processed and displayed on a small LCD screen by an MSP430. One end of the dongle has a type C receptacle and the other end has a type C plug. All signals are passed through the dongle.

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