12V / 10A MPPT Solar Charge Controller with USB

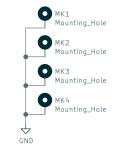
Sheet: MCU MCU File: mcu.sch

Sheet: DCDC power stage DC/DC File: dcdc.sch

Sheet: Power Supply Power USB File: power_supply.sch

Main Specifications

- 12V battery voltage
 10A max. charge current
 55V max. solar input
 32bit ARM MCU (STM32L072)
 Expandable via Ölimex Universal Extension Connector (UEXT) featuring
 12C, Serial and SPI interface (e.g. used for display, WIFI communication, etc.)
 USB charging
 High-side load switching







MPPT	1	.21	НС	US	
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