



12V to 5V Switching regulator Power input connector U2 AP62301Z6-7 +12V L2 3.3u/2.1A VIN: 12V-18V J1 MJ-179PH VFB = 0.8025VGND GND USB C output Power supply for the microscope LED Driver J2 USB-C_GCT_USB4105-GF-A U1 MP2483DQ-LF-P +12V ← D1 C2 B360A-M3 2u2 Place close to USB-C VBUS pin POT1 R0141-2-20k FB GND Frequency set to 1MHz www.antmicro.com Antmicro Ltd. Sheet: /LED DRIVER & USB-C Power output/ File: led_driver.kicad_sch Title: LZ1 OSRAM LuxiGen LED Driver Size: A3 Date: 2023-11-03 KiCad E.D.A. eeschema 6.0.11+dfsg-1-bpo11+1