























Bill of Materials

PCB Design USB_Sniffer.PrjPcb
Project USB_Sniffer.PrjPcb

Project USB_Sniffer.PriPcb Variant None Report Date 28/08/2023 Designator Quantity Device Package Description Manufactur Part Number Supplier 1 Supplier Part Number 1 C1, C3, C4 0805 (2012 Metric) CAP CER 22UF 10V X5R 0805 Murata GRM219R61A226MEA0D Digi-Key 490-9951-2-ND GRM188R61E106MA73D Digi-Key 0603 (1608 Metric) CAP CER 10UF 25V X5R 0603 Murata 490-7202-2-ND C5 0402 (1005 Metric) CAP CER 4.7UF 6.3V X5R 0402 Murata GRM155R60J475ME87D Digi-Key 490-5408-2-ND C6, C7, C8, C9, C10, C11, C12, C13, 27 0402 (1005 Metric) CAP CER 100NF 25V X5R 0402 Murata GRM155R61E104KA87D Digi-Key 490-5920-2-ND Murata C30, C31 0402 (1005 Metric) CAP CER 1UF 6.3V X5R 0402 GRM155R60J105KE19D Digi-Key 490-1320-2-ND 0603 (1608 Metric) LED GREEN CLEAR 0603 SMD Lite-On Inc. LTST-C191KGKT Digi-Key 160-1446-2-ND D2 0603 (1608 Metric) LED RED CLEAR 0603 SMD Lite-On Inc. LTST-C191KRKT Digi-Key 160-1447-2-ND D3, D4, D5, D6 0603 (1608 Metric) LED YELLOW CLEAR 0603 SMD Lite-On Inc. LTST-C191KSKT Digi-Key 160-1448-2-ND J1. J2 USB 2.0 Type C, Receptacle, Horizontal, SMT JAF DX07S016JA1R1500 Digi-Key 670-DX07S016JA1R1500CT-ND USB 2.0 Type A, Receptacle, Horizontal, SMT, with Pegs Wurth J3 629104151021 Mouser 710-629104151021 R1. R3. R5. R6 0402 (1005 Metric) RES SMD 5.1K OHM 1% 1/16W 0402 Yageo RC0402FR-075K1L Mouser 603-RC0402FR-075K1L R2, R4, R10, R11, R12, R13, R14, R18 0402 (1005 Metric) RES SMD 2.2K OHM 1% 1/16W 0402 Yageo RC0402FR-072K2L Mouser 603-RC0402FR-072K2L R7. R8. R9. R16. R20. R24 0402 (1005 Metric) RES SMD 10K OHM 1% 1/16W 0402 RC0402FR-0710KL Yageo Mouser 603-RC0402FR-0710KL R17 0402 (1005 Metric) RES SMD 0 OHM 5% 1/16W 0402 Yageo RC0402JR-070RL Mouser 603-RC0402JR-070RL R18. R19 0402 (1005 Metric) RES SMD 470 OHM 1% 1/16W 0402 Yageo RC0402FR-07470RL Mouser 603-RC0402FR-07470RL R21 0402 (1005 Metric) RES SMD 20K OHM 1% 1/16W 0402 Yageo RC0402FR-0720KL Mouser 603-RC0402FR-0720KL R22 0402 (1005 Metric) RES SMD 8.06K OHM 1% 1/16W 0402 RC0402FR-078K06L Mouse 603-RC0402FR-078K06L Yageo R23 0402 (1005 Metric) RES SMD 33K OHM 1% 1/16W 0402 Yageo RC0402FR-0733KL Mouser 603-RC0402FR-0733KL RC0402FR-074K7L 0402 (1005 Metric) RES SMD 4.7K OHM 1% 1/16W 0402 R25, R26 Yageo Mouser 603-RC0402FR-074K7L ST U1. U3 SOTFL-6 TVS ARRAY SOT666 USBLC6-2P6 Digi-Key 497-5026-1-ND U2 SOT23-5 LDO 3.3V 300MA SOT23-5 ΤI TPS7A2033PDBVR Mouser 595-TPS7A2033PDBVR U4 56-QFN (8x8) MCU USB PHERIPH FX2LP 56VQFN Infineon CY7C68013A-56LTXC Digi-Key 448-CY7C68013A-56LTXC-ND U5 8-TSSOP (0.173", 4.4(IC EEPROM 64KBIT 400KHZ 8TSSOP Microchip Techn 24LC64-I/ST Digi-Key 24LC64-I/ST-ND U6 100-TQFP (14x14) FPGA, MACHXO2, 2112 LUTs Lattice LCMXO2-2000HC-5TG10 Digi-Key LCMXO2-2000HC-5TG100C-ND U7, U9, U10 3 TSSOP-8 IC COMP PP TSSOP-8 AD MAX9032AUA+ Digi-Key MAX9032AUA+-ND USB3343-CP USB3343-CP-ND 118 24-QFN (4x4) USB ULPI PHY 24QFN Microchip Digi-Key Y1 4-SMD, 2016 OSC XO 24MHz 3.3V 2016 SMD Wurth 830208215109 710-830208215109 Mouser Y2 4-SMD, 2016 831056245 Mouser OSC XO 26MHz 3.3V 2016 SMD Wurth 710-831056245