























Bill of Materials

PCB Design USB_Sniffer.PrjPcb
Project USB_Sniffer.PrjPcb

	ign USB_Sniffer							
Proj	ect USB_Sniffer	.PrjPcb	Varian	t None		Report Date	28/08/2023	
D. d. d. d.	0	D. 1. D. 1.	Description		D. IN.	0 1 1	6 1 2 5 1 1 1 1	
Designator		Device Package			Part Number		Supplier Part Number 1	
C1, C3, C4	3		CAP CER 22UF 10V X5R 0805	Murata	GRM219R61A226MEA0D		490-9951-2-ND	
C2	1	, ,	CAP CER 10UF 25V X5R 0603	Murata	GRM188R61E106MA73D		490-7202-2-ND	
C5	1	0402 (1005 Metric)	CAP CER 4.7UF 6.3V X5R 0402	Murata	GRM155R60J475ME87D		490-5408-2-ND	
C6, C7, C8, C9, C10, C11, C12, C			CAP CER 100NF 25V X5R 0402	Murata	GRM155R61E104KA87D		490-5920-2-ND	
C30, C31	1		CAP CER 1UF 6.3V X5R 0402	Murata	GRM155R60J105KE19D	0 0	490-1320-2-ND	
	1		LED GREEN CLEAR 0603 SMD	Lite-On Inc.	LTST-C191KGKT		160-1446-2-ND	
D2			LED RED CLEAR 0603 SMD	Lite-On Inc.	LTST-C191KRKT		160-1447-2-ND	
D3, D4, D5, D6	2	0603 (1608 Metric)	LED YELLOW CLEAR 0603 SMD	Lite-On Inc.	LTST-C191KSKT		160-1448-2-ND	
J1, J2 J3	1		USB 2.0 Type C, Receptacle, Horizontal, SMT	JAE	DX07S016JA1R1500 629104151021		670-DX07S016JA1R1500CT-ND 710-629104151021	
	4	0402 (100E Motrio)	USB 2.0 Type A, Receptacle, Horizontal, SMT, with Peg- RES SMD 5.1K OHM 1% 1/16W 0402		RC0402FR-075K1L		603-RC0402FR-075K1L	
R1, R3, R5, R6				Yageo				
R2, R4, R10, R11, R12, R13, R14	, K18 6		RES SMD 2.2K OHM 1% 1/16W 0402	Yageo	RC0402FR-072K2L		603-RC0402FR-072K2L	
R7, R8, R9, R16, R20, R24	1	0402 (1005 Metric)	RES SMD 10K OHM 1% 1/16W 0402	Yageo	RC0402FR-0710KL		603-RC0402FR-0710KL	
		0402 (1005 Metric)	RES SMD 0 OHM 5% 1/16W 0402	Yageo	RC0402JR-070RL		603-RC0402JR-070RL	
R18, R19	1		RES SMD 470 OHM 1% 1/16W 0402	Yageo	RC0402FR-07470RL		603-RC0402FR-07470RL	
R21	1		RES SMD 20K OHM 1% 1/16W 0402	Yageo	RC0402FR-0720KL		603-RC0402FR-0720KL	
R22			RES SMD 8.06K OHM 1% 1/16W 0402	Yageo	RC0402FR-078K06L		603-RC0402FR-078K06L	
R23	1	0402 (1005 Metric)	RES SMD 33K OHM 1% 1/16W 0402	Yageo	RC0402FR-0733KL		603-RC0402FR-0733KL	
R25, R26	2		RES SMD 4.7K OHM 1% 1/16W 0402	Yageo	RC0402FR-074K7L		603-RC0402FR-074K7L	
U1, U3 U2	1	SOTFL-6	TVS ARRAY SOT666	ST	USBLC6-2P6	0 ,	497-5026-1-ND	
		SOT23-5	LDO 3.3V 300MA SOT23-5	TI	TPS7A2033PDBVR		595-TPS7A2033PDBVR	
U4	1	56-QFN (8x8)	MCU USB PHERIPH FX2LP 56VQFN	Infineon	CY7C68013A-56LTXC		448-CY7C68013A-56LTXC-ND	
U5			(IC EEPROM 8KBIT 400KHZ 8TSSOP	Microchip Techi		0 ,	24LC08B-I/ST-ND	
U6	3		FPGA, MACHXO2, 2112 LUTs	Lattice AD	LCMXO2-2000HC-5TG10		LCMXO2-2000HC-5TG100C-ND	
							MAX9032AUA+-ND	
U7, U9, U10		TSSOP-8	IC COMP PP TSSOP-8		MAX9032AUA+			
U8	1	24-QFN (4x4)	USB ULPI PHY 24QFN	Microchip	USB3343-CP	Digi-Key	USB3343-CP-ND	
U8 Y1	1	24-QFN (4x4) 4-SMD, 2016	USB ULPI PHY 24QFN OSC XO 24MHz 3.3V 2016 SMD	Microchip Wurth	USB3343-CP 830208215109	Digi-Key Mouser	USB3343-CP-ND 710-830208215109	
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