

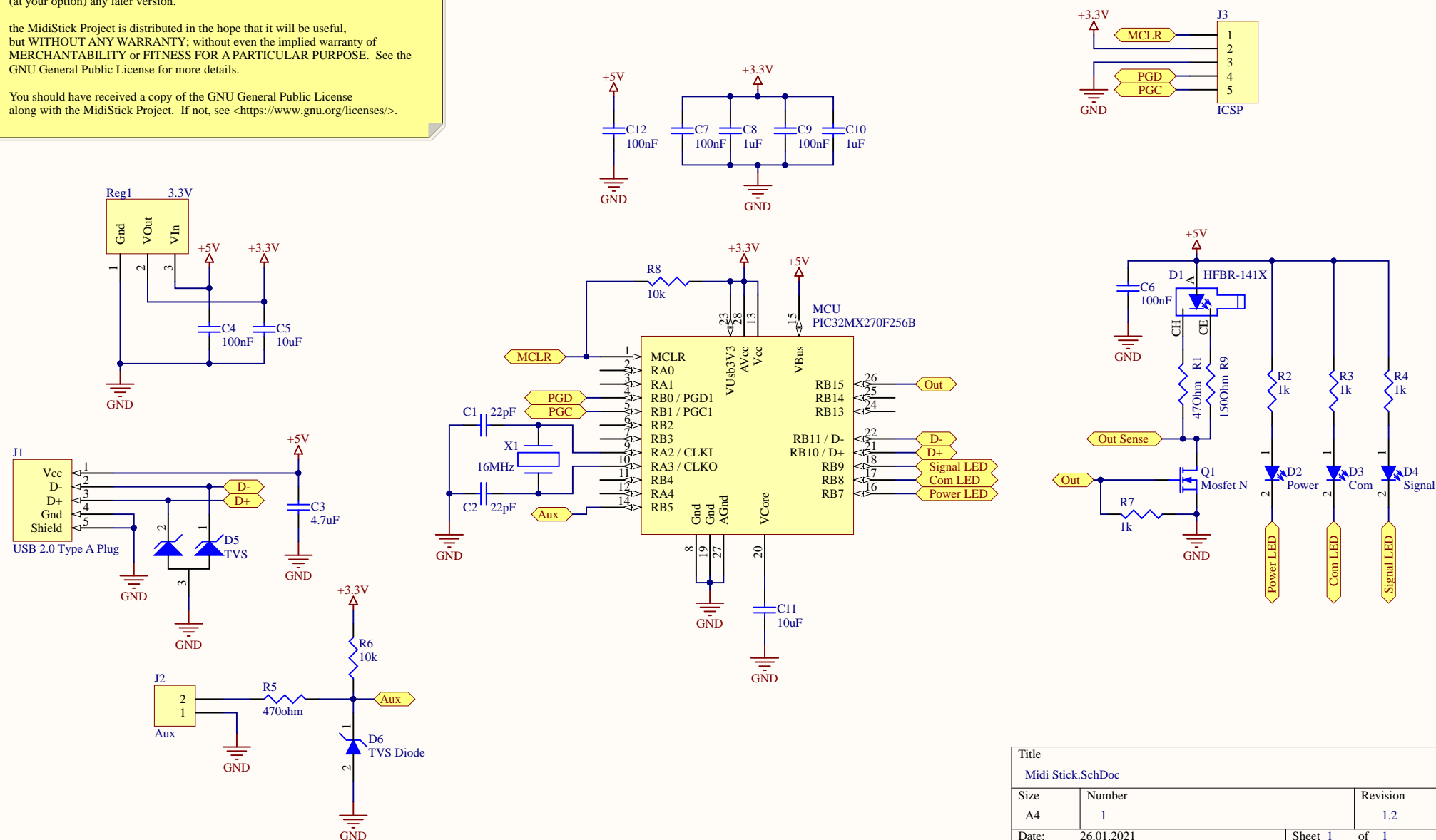
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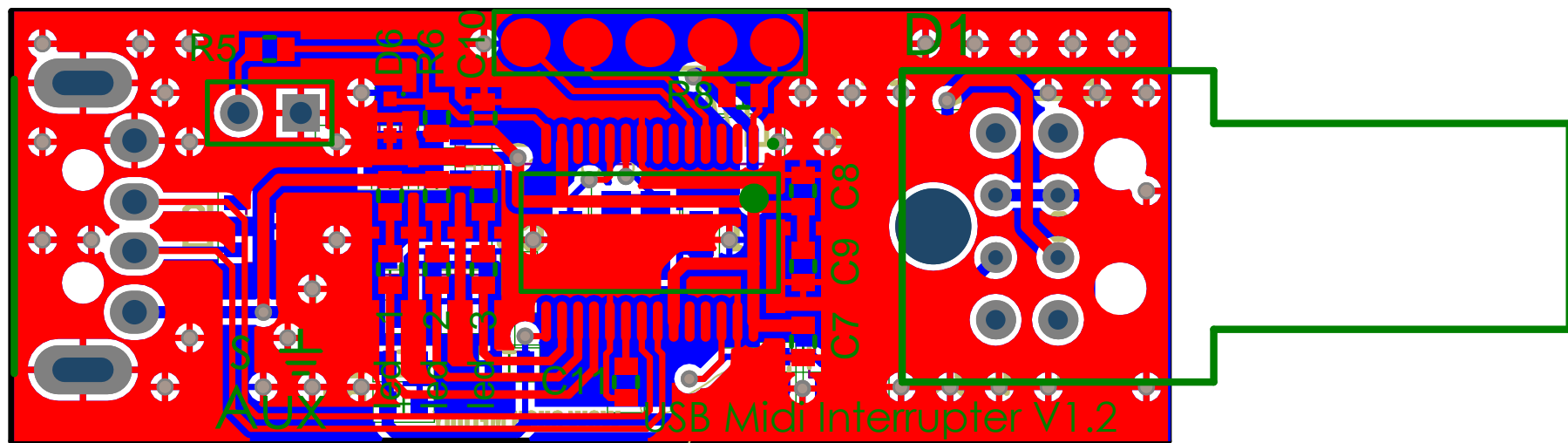
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Title		
Midi Stick.SchDoc		
Size	Number	Revision
A4	1	1.2
Date:	26.01.2021	Sheet 1 of 1
File:	F:\OneDrive\...\Midi Stick.SchDoc	Drawn By: Thorben Zethoff



Line #	Designator	Name	Description	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	C1, C2	22pF		2	Yageo	CC0402KRX7R7BB103	Volume Production	Digi-Key	311-1042-1-ND	0,017	0,17
	C3	4.7uF		1	Samsung	CL10B104KB8NNNL	Volume Production	Digi-Key	1276-CL10B104KB8NNNLCT-ND	0,1	0,1
	C4, C6, C7, C9, C12	100nF		5	Yageo	CC0402KRX7R7BB103	Volume Production	Digi-Key	311-1042-1-ND	0,017	0,17
	C5, C11	10uF		2	Yageo	CC0402KRX7R7BB103	Volume Production	Digi-Key	311-1042-1-ND	0,017	0,17
	C8, C10	1uF		2	Yageo	CC0402KRX7R7BB103	Volume Production	Digi-Key	311-1042-1-ND	0,017	0,17
	D1	HFBR-141X	Fiber optic transmitter. ST connector	1	Broadcom Avago	HFBR-1414MZ	Volume Production	Digi-Key	516-2038-ND	23,61	23,61
	D2	Power		1	Würth Electronics	150060SS75000	Volume Production	Digi-Key	732-4979-1-ND	0,14	0,14
	D3	Com		1	Würth Electronics	150060SS75000	Volume Production	Digi-Key	732-4979-1-ND	0,14	0,14
	D4	Signal		1	Würth Electronics	150060SS75000	Volume Production	Digi-Key	732-4979-1-ND	0,14	0,14
	D5	TVS		1	Nexperia	PESD5V0U2BT,215	Unknown	Digi-Key	1727-3936-1-ND	0,4	0,4
	D6	TVS Diode		1	Semtech	UCLAMP3301H.TCT	Volume Production	Digi-Key	UCLAMP3301HCT-ND	0,64	0,64
	J1	USB 2.0 Type A Plug		1	CUI	UP2-AH-1-TH	Volume Production	Digi-Key	102-3996-ND	0,59	0,59
	J2	Aux	Header, 2-Pin	1							
	J3	ICSP	Header, 5-Pin	1							
	MCU	PIC32MX270F256B	32Bit pic with usb	1	Microchip	PIC32MX270F256B-I/SS	Volume Production	Digi-Key	PIC32MX270F256B-I/SS-ND	3,99	3,99
	Q1	Mosfet N		1	Toshiba	T2N7002AK,LM	Volume Production	Digi-Key	T2N7002AKLMCT-ND	0,14	0,14
	R1	470hm		1	Yageo	RC0402FR-0710KL	Volume Production	Digi-Key	311-10.0KLRCT-ND	0,1	0,1
	R2, R3, R4, R7	1k		4	Yageo	RC0402JR-074K7L	Volume Production	Digi-Key	311-4.7KJRCT-ND	0,012	0,12
	R5	470ohm		1	Yageo	RC0402FR-0710KL	Volume Production	Digi-Key	311-10.0KLRCT-ND	0,1	0,1
	R6, R8	10k		2	Yageo	RC0402JR-074K7L	Volume Production	Digi-Key	311-4.7KJRCT-ND	0,012	0,12
	R9	150Ohm		1	Yageo	RC0402FR-0710KL	Volume Production	Digi-Key	311-10.0KLRCT-ND	0,1	0,1
	Reg1	3.3V		1							
	X1	16MHz		1	Epson	TSX-322516.0000MF09Z-AC0	Volume Production	Digi-Key	SER4069TR-ND		