

Source: C:\Users\user\Desktop\mchp\_dm\PCBs\DMX Receiver\dmxRx.kicad\_sch

Date: #####

DNP

bag 1

Tool: Eeschema 7.0.6

bag 2

Generator: C:\Program Files\KiCad\7.0\bin\scripting\plugins\bom\_csv\_grouped\_by\_value\_with\_fp.py

Component Count: 66

Ref	Qty	Value	Cmp name	Footprint	Description	Vendor	DNP
C1, C5	2	4.7uF	C	Capacitor_	Unpolarize	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
C2	1	4700pF	C	Capacitor_	Unpolarize	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
C3	1	1uF	C	Capacitor_	Unpolarize	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
C4, C10	2	0.1uF	C	Capacitor_	Unpolarize	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
C6, C8, C9	3	10uF	C	Capacitor_	Unpolarize	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
C11, C12, C13	3	100uF	C	Capacitor_	Unpolarize	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
C14, C15	2	22uF	C	Capacitor_	Unpolarize	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
C16	1	1000pF	C	Capacitor_	Unpolarize	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
C17, C18, C19	3	.1uF	C	Capacitor_	Unpolarize	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
CON1, CON2	2	~	E5J88-00LJG2-L	E5J88-00LJG2-L	E5J88-	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
D1	1	+48V	LED	Resistor_	SI Light emitt	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
D2	1	+5V	LED	Resistor_	SI Light emitt	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
FB1	1	120R	FerriteBead	Resistor_	SI Ferrite bea	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
H1, H2, H3, H4	4	MountingHole	MountingHole	MountingH	Mounting	N/A	
J1	1	Conn_01x05_Socket	Conn_01x05_Socket	Connector_	Generic co	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
J2	1	Conn_01x03_Socket	Conn_01x03_Socket	Connector_	Generic co	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
L1	1	3.3uH	L	XGL6060:X	Inductor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R1	1	300k	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R2, R3, R5	3	100k	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R4	1	0R	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	DNP
R6	1	10k	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R7, R13	2	1R	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R8, R12	2	0R	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R9	1	1.37k	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R10	1	3.01k	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R14	1	1R	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R15	1	24.9k	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R16	1	10k	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R17	1	30k	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R18	1	1.4k	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R19	1	1k	R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
R20	1		790 R	Resistor_	SI Resistor	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
SW1	1	SW_DIP_x03	SW_DIP_x03	Package_	D 3x DIP Swit	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
SW2	1	MCLR_SW	SW_Push	EVQ-P7A01	Push butto	<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
TP1	1	PWM	TestPoint	TestPoint:	1 test point	N/A	
TP2	1	SCK	TestPoint	TestPoint:	1 test point	N/A	
TP3	1	SDO	TestPoint	TestPoint:	1 test point	N/A	
TP4	1	U1TX	TestPoint	TestPoint:	1 test point	N/A	
TP5	1	DOUT	TestPoint	TestPoint:	1 test point	N/A	
TP6	1	DMX DI	TestPoint	TestPoint:	1 test point	N/A	
TP7	1	GND	TestPoint	TestPoint:	1 test point	N/A	
TP8	1	+5V	TestPoint	TestPoint:	1 test point	N/A	
TP9, TP11	2	SW	TestPoint	TestPoint:	1 test point	N/A	
TP10	1	RC0	TestPoint	TestPoint:	1 test point	N/A	
TP12	1	VDD	TestPoint	TestPoint:	1 test point	N/A	
U1	1	PIC18F56Q71-I/PT	PIC18F56Q71-I_PT	TQFP48_PT_MCH		<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	
U2	1	MIC28517T-E/PHA	MIC28517T-E_PHA	VQFN32_6X6_3EP_PH		<a href="https://www.microchip.com/en-">https://www.microchip.com/en-</a>	
U3	1	SP485CN-L	SP485CN-L	NSOIC-8		<a href="https://www.digikey.com/en/pro">https://www.digikey.com/en/pro</a>	

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