

Source: C:\Users\james\Desktop\College\SDSU year 3\492\Senior Design PCB\Senior Design PCB.kic  
Date: #####  
Tool: Eeschema 7.0.7  
Generator: C:\Program Files\KiCad\7.0\bin\scripting\plugins\bom\_csv\_grouped\_by\_value\_with\_fp.py  
Component 60

Ref	Qty	Value	Cmp name	Footprint	Description	Vendor	DNP
BKB1		1	TestPoint_	TestPoint_	TestPoint:T test point		
C1		1	100uF	C_Polarize	Capacitor_	Polarized capacitor, small US symbol	
C2, C6		2	0.1uF	C_Small	Capacitor_	Unpolarized capacitor, small symbol	
C3		1	10uF	C_Polarize	Capacitor_	Polarized capacitor, small US symbol	
C4		1	0.1uF	C_Small	Capacitor_	Unpolarized capacitor, small symbol	
C5		1	10nF	C_Small	Capacitor_	Unpolarized capacitor, small symbol	
C7		1	220.0uF	C_Polarize	Capacitor_	Polarized capacitor, small US symbol	
C8, C12		2	27.4uF	C_Small	AAA_senio	Unpolarized capacitor, small symbol	
C9		1	4.7uF	C_Small	AAA_senio	Unpolarized capacitor, small symbol	
C10		1	2.2nF	C_Small	AAA_senio	Unpolarized capacitor, small symbol	
C11		1	1uF	C_Small	AAA_senio	Unpolarized capacitor, small symbol	
C13		1	43.2uF	C_Small	AAA_senio	Unpolarized capacitor, small symbol	
CAP1		1	TestPoint_	TestPoint_	TestPoint:T test point		
CSCAP1		1	11F	C_Polarize	Capacitor_	Polarized capacitor, small US symbol	
D1		1	40V	D_Schottky	AAA_senio	Schottky diode	
D2		1	5.1V	D_Schottky	Diode_THT	Schottky diode	
ENB1		1	TestPoint_	TestPoint_	TestPoint:T test point		
ENC1		1	TestPoint_	TestPoint_	TestPoint:T test point		
F1, F2, F3, I		4	Fuse	Fuse	AAA_senio	Fuse	
FBCH1		1	TestPoint_	TestPoint_	TestPoint:T test point		
FBCR1		1	TestPoint_	TestPoint_	TestPoint:T test point		
FBS1		1	TestPoint_	TestPoint_	TestPoint:T test point		
H1, H2, H3, H5, H6, H7,		4	MountingH	MountingH	MountingH	Mounting Hole with connection	
ISSET1		1	TestPoint_	TestPoint_	TestPoint:T test point		
J1, J2		2	Conn_01x0	Conn_01x0	Connector_	Generic connector, single row, 01x02, script g	
J3		1	Raspberry_	Raspberry_	Module:Ra	expansion header for Raspberry Pi Zero 2W	
J7-1, J7-2		2	Conn_01x0	Conn_01x0	Connector_	Generic connector, single row, 01x04, script g	
L1		1	15uH	L_Small	AAA_senio	Inductor, small symbol	
L2		1	470nH	L_Small	AAA_senio	Inductor, small symbol	
LX1		1	TestPoint_	TestPoint_	TestPoint:T test point		
R1		1	100k $\hat{\text{I}}$ @	R_Small_U:	Resistor_T	Resistor, small US symbol	
R2		1	2.1Meg $\hat{\text{I}}$ @	R_Small_U:	AAA_senio	Resistor, small US symbol	
R3		1	86.6k $\hat{\text{I}}$ @	R_Small_U:	AAA_senio	Resistor, small US symbol	
R4		1	499k $\hat{\text{I}}$ @	R_Small_U:	AAA_senio	Resistor, small US symbol	
R5, R10		2	20.0k $\hat{\text{I}}$ @	R_Small_U:	AAA_senio	Resistor, small US symbol	
R6, R7		2	1.00Meg $\hat{\text{I}}$ @	R_Small_U:	AAA_senio	Resistor, small US symbol	
R8		1	3.57Meg $\hat{\text{I}}$ @	R_Small_U:	AAA_senio	Resistor, small US symbol	
R9		1	1.21Meg $\hat{\text{I}}$ @	R_Small_U:	AAA_senio	Resistor, small US symbol	
RDY1		1	TestPoint_	TestPoint_	TestPoint:T test point		
SYS1		1	TestPoint_	TestPoint_	TestPoint:T test point		

TP2	1 Conn_01x0 Conn_01x0 Connector_Generic connector, single row, 01x02, script g
U1	1 LM2678SX·LM2678SX· AAA_senior_design:TS7B
U2	1 MCP3008 MCP3008 Package_D A/D Converter, 10-Bit, 8-Channel, SPI Interfac
U3	1 MAX38890 MAX38890 Package_D 2.5V to 5.5V, 5A Reversible Buck/Boost Reg fo

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