

Source: C:\Users\james\Desktop\College\SDSU year 3\492\Senior Desi
Date: 11/8/2023 20:04
Tool: Eeschema 7.0.7
Generator: C:\Program Files\KiCad\7.0\bin\scripting\plugins\bom_csv_grc
Component Count: 60

Ref	Qty	Value	Cmp name
BKB1	1	TestPoint_Small	TestPoint_Small
C1	1	100uF	C_Polarized_Small_US
C2, C6	2	0.1uF	C_Small
C3	1	10uF	C_Polarized_Small_US
C4	1	0.1uF	C_Small
C5	1	10nF	C_Small
C7	1	220.0uF	C_Polarized_Small_US
C8, C12	2	27.4uF	C_Small
C9	1	4.7uF	C_Small
C10	1	2.2nF	C_Small
C11	1	1uF	C_Small
C13	1	43.2uF	C_Small
CAP1	1	TestPoint_Small	TestPoint_Small
CSCAP1	1	11F	C_Polarized_Small_US
D1	1	40V	D_Schottky
D2	1	5.1V	D_Schottky
ENB1	1	TestPoint_Small	TestPoint_Small
ENC1	1	TestPoint_Small	TestPoint_Small
F1, F2, F3, F4	4	Fuse	Fuse
FBCH1	1	TestPoint_Small	TestPoint_Small
FBCR1	1	TestPoint_Small	TestPoint_Small
FBS1	1	TestPoint_Small	TestPoint_Small
H1, H2, H3, H4	4	MountingHole_Pad	MountingHole_Pad
H5, H6, H7, H8	4	MountingHole_Pad	MountingHole_Pad
ISSET1	1	TestPoint_Small	TestPoint_Small
J1, J2	2	Conn_01x02	Conn_01x02
J3	1	Raspberry_Pi_Zero_2W	Raspberry_Zero_2W
J7-1, J7-2	2	Conn_01x04	Conn_01x04
L1	1	15uH	L_Small
L2	1	470nH	L_Small
LX1	1	TestPoint_Small	TestPoint_Small
R1	1	100kÎ©	R_Small_US
R2	1	2.1MegÎ©	R_Small_US
R3	1	86.6kÎ©	R_Small_US
R4	1	499kÎ©	R_Small_US
R5, R10	2	20.0kÎ©	R_Small_US
R6, R7	2	1.00MegÎ©	R_Small_US
R8	1	3.57MegÎ©	R_Small_US
R9	1	1.21MegÎ©	R_Small_US
RDY1	1	TestPoint_Small	TestPoint_Small
SYS1	1	TestPoint_Small	TestPoint_Small

TP2	1 Conn_01x02	Conn_01x02
U1	1 LM2678SX-5.0/NOPB	LM2678SX-5.0_NOPB
U2	1 MCP3008	MCP3008
U3	1 MAX38890	MAX38890

rouped_by_value_with_fp.py

Footprint

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

Capacitor_THT:CP_Radial_D8.0mm_P2.50mm

Capacitor_THT:CP_Radial_D5.0mm_P2.50mm

Capacitor_THT:CP_Radial_D5.0mm_P2.00mm

Capacitor_SMD:C_1206_3216Metric

Capacitor_THT:CP_Radial_D10.0mm_P3.80mm

Capacitor_SMD:CP_Elec_8x6.9

AAA_senior_design:CAPC3216X180N

AAA_senior_design:CAPC1608X87N

AAA_senior_design:0603

AAA_senior_design:CAP_C0603_CND

AAA_senior_design:CAPC3225X270N

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

Capacitor_THT:CP_Radial_D10.0mm_P5.00mm

AAA_senior_design:D2PAK_STM

Diode_THT:D_DO-34_SOD68_P10.16mm_Horizontal

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

AAA_senior_design:FUSE_4525

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

MountingHole:MountingHole_5mm

MountingHole:MountingHole_3.5mm

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical

Module:Raspberry_Pi_Zero_Socketed_THT_FaceDown_MountingHoles

Connector_PinSocket_2.54mm:PinSocket_1x04_P2.54mm_Vertical

AAA_senior_design:15uHInductor

AAA_senior_design:INDC2520X120N

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal

AAA_senior_design:RESC1508X50N

AAA_senior_design:RES_ERJ3EKF4023V

AAA_senior_design:RESC1508X50N

AAA_senior_design:RESC1508X50N

AAA_senior_design:RESC1508X50N

AAA_senior_design:RESC1508X50N

AAA_senior_design:RESC1508X50N

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

Connector_Wire:SolderWire-1sqmm_1x02_P5.4mm_D1.4mm_OD2.7mm

Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical

AAA_senior_design:TS7B

Package_DIP:DIP-16_W7.62mm_LongPads

Package_DFN_QFN:TQFN-16-1EP_3x3mm_P0.5mm_EP1.23x1.23mm

Description
test point
Polarized capacitor, small US symbol
Unpolarized capacitor, small symbol
Polarized capacitor, small US symbol
Unpolarized capacitor, small symbol
Unpolarized capacitor, small symbol
Polarized capacitor, small US symbol
Unpolarized capacitor, small symbol
Unpolarized capacitor, small symbol
Unpolarized capacitor, small symbol
Unpolarized capacitor, small symbol
Unpolarized capacitor, small symbol
test point
Polarized capacitor, small US symbol
Schottky diode
Schottky diode
test point
test point
Fuse
test point
test point
test point
Mounting Hole with connection
Mounting Hole with connection
test point
Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)
expansion header for Raspberry Pi Zero 2W
Generic connector, single row, 01x04, script generated (kicad-library-utils/schlib/autogen/connector/)
Inductor, small symbol
Inductor, small symbol
test point
Resistor, small US symbol
Resistor, small US symbol
Resistor, small US symbol
Resistor, small US symbol
Resistor, small US symbol
Resistor, small US symbol
Resistor, small US symbol
Resistor, small US symbol
test point
test point

Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)

Buck Regulator

A/D Converter, 10-Bit, 8-Channel, SPI Interface , 2.7V-5.5V

2.5V to 5.5V, 5A Reversible Buck/Boost Reg for Backup Apps

[illegible]
