

power-wedge-control_rev1

Source: /Users/cameronl/Documents/dev/pcb-kicad/power-wedge-control/power-wedge-control.kicad_sch
 Date: Wednesday, February 23, 2022 at 02:38:49 PM
 Tool: Eeschema (6.0.2-0)
 Generator: /Applications/KiCad/KiCad.app/Contents/SharedSupport/plugins/bom_csv_grouped_by_value_with_fp.py
 Component Count: 90

Ref	Qty	Value	Cmp name	Footprint	Description
C1, C2,	2	470n	C	Capacitor_SMD:C_0603_1608Metric	Unpolarized capacitor
C3, C4,	2	NOSTUFF	C	Capacitor_SMD:C_0603_1608Metric	Unpolarized capacitor
C5, C7, C14,	3	10u	C	Capacitor_SMD:C_1206_3216Metric	Unpolarized capacitor
C6, C8, C13, C15, C16,	5	100n	C	Capacitor_SMD:C_0603_1608Metric	Unpolarized capacitor
C9, C10, C11, C12,	4	1uF	C	Capacitor_SMD:C_0603_1608Metric	Unpolarized capacitor
D1, D2, D3, D4,	4	LL4148	D	Diode_SMD:D_MiniMELF	Diode
L1, L2, L3,	3	600R/200mA	L	Inductor_SMD:L_0603_1608Metric	Inductor
LED1, LED2,	2	LED	LED	LED_SMD:LED_0603_1608Metric	Light emitting diode
LED3, LED4,	2	LED_GRN	LED	LED_SMD:LED_0603_1608Metric	Light emitting diode
Q1, Q3, Q5, Q6,	4	MMBT3904L	Q_NPN_BEC	Package_TO_SOT_SMD:SOT-23	NPN transistor, base/emitter/collector
Q2, Q4,	2	DMP3099L	Q_PMOS_GSD	Package_TO_SOT_SMD:SOT-23	P-MOSFET transistor, gate/source/drain
R1, R4, R11, R12,	4	10k	R	Resistor_SMD:R_0603_1608Metric	Resistor
R2, R5, R9, R10, R13, R14, R21, R22,	8	1k	R	Resistor_SMD:R_0603_1608Metric	Resistor
R3, R6,	2	100k	R	Resistor_SMD:R_0603_1608Metric	Resistor
R7, R8, R23,	3	200k	R	Resistor_SMD:R_0603_1608Metric	Resistor
R15, R17,	2	6.8k	R	Resistor_SMD:R_0603_1608Metric	Resistor
R16, R18,	2	8.2k	R	Resistor_SMD:R_0603_1608Metric	Resistor
R19, R20, R24,	3	4k7	R	Resistor_SMD:R_0603_1608Metric	Resistor
R25,	1	470	R	Resistor_SMD:R_0603_1608Metric	Resistor
U1,	1	LM1117-5.0	LM1117-5.0	Package_TO_SOT_SMD:TO-252-2	800mA Low-Dropout Linear Regulator, 5.0V fixed out
U2, U9,	2	NC7WZ14P6X	NC7WZ14P6X	Package_TO_SOT_SMD:SOT-363_SC-70-6	Inverter IC 2 Channel Schmitt Trigger SC-88 (SC-70-i
U3,	1	TLV70233DBV	TLV70233DBV	Package_TO_SOT_SMD:SOT-23-5	300 mA Low Dropout Voltage Regulator, Fixed Outpu
U4, U7,	2	LTV-817S	LTV-817S	Package_DIP:SMDIP-4_W9.53mm	DC Optocoupler, Vce 35V, CTR 50%, SMDIP-4
U5, U6,	2	NC7WZ17P6X	NC7WZ17P6X	Package_TO_SOT_SMD:SOT-363_SC-70-6	Buffer, Non-Inverting 2 Element 1 Bit per Element Pu
U8,	1	SN74LVC08ADRG3	SN74LVC08ADRG3	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	
U10, U11,	2	74LVC1G32	74LVC1G32	Package_TO_SOT_SMD:SOT-23-5	Single OR Gate, Low-Voltage CMOS
J9,	1	MicroSD_Hirose_DM3D-SF	Micro_SD_Card_Det	Connector_Card:microSD_HC_Hirose_DM3D-SF	Micro SD Card Socket with card detection pins