

Item	Name / Description	Package	Designator on schematic	Quantity
1	74HC574N D-TYPE FLIP-FLOP	DIP-20	U1, U2, U3, U4, U5, U6, U7, U8	8
2	SI3861BDV Vishay 4.5-20V 2.3A Load Switch	TSOP-6	U9, U10, U11, U12, U13, U14, U15, U16	8
3	TPS56528 Step-Down Converter 4.5V-18V 5A	HSOP-8	U17	1
4	100uH 2A Power Inductor 12x12mm	/	L1	1
5	3.81mm 2 pin Male Terminal Block Vertical	/	P8	1
6	2.54mm 2 pin Male Header Jumper	/	W1	1
7	2.54mm 2x8 pin IDC Female Header Connector	/	P6	5
8	2.54mm 2x4 pin IDC Female Header Connector	/	P5	2
9	SK54 40V 5A SMC Schottky Diode SMD	SMC	D1	1
10	3mm LED Red	/	D2	1
11	220uF 16V Aluminium Electrolytic Capacitor 6.3x7.7mm	/	C25, C28	2
12	100nF	0603	C1, C2, C3, C4, C5, C6, C7, C8, C9, C11, C13, C15, C17, C19, C21, C23,	18
13	1nF	0603	C10, C12, C14, C16, C18, C20, C22, C24	8
14	220uF	0603	C30	1
15	10k	0603	R65, R66, R69, R70, R71, R72, R75, R76, R77, R78, R81, R82, R83, R84, R87, R88	17
16	100R	0603	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42.	64
17	0R	0603	R67, R68, R73, R74, R79, R80, R85, R86	8
18	180k	0603	R90	1
19	220k	0603	R91	1
20	49.9k 1%	0603	R92	1
21	100k	0603	R93	1
22	470R	0603	R94	1