

Item #	Designator	Description	Comment	Quantity	Manufacturer 1	Manufacturer Part Number 1	Footprint	LibRef	Note
1	C5, C6, C25, C26, C27	Capacitor	10uF/50V	12			C1206	CAP	
2	C7, C8, C15	Capacitor	NC	3			C0603	CAP	
3	C9, C10	Capacitor	47pF/6.3V	2			C0603	CAP	
4	C11, C12	Capacitor	100nF/16V	2			C0603	CAP	
5	C13, C14, C20	Capacitor	1uF/50V	3			C0603	CAP	
6	C16	Capacitor	15nF/6.3V	1			C0603	CAP	
7	C17, C18	Capacitor	10nF/6.3V	2			C0603	CAP	
8	C19	Capacitor	1uF/16V	1			C0603	CAP	
9	C21, C22, C23, C24	Capacitor	100nF/50V	4			C0603	CAP	
10	C31, C32	Capacitor	100uF/50V	2			CAP OS-CON D=10.0 L=10.0 F10	CAP_Polar_Aluminum	
11	D1, D2, D3, D4, D5, D6	二极管	1N4148	6			SOD-323	Diode	
12	H1, H2, H3, H4		HOLE	4			M3.2 D=8	HOLE	
13	J1, J2, J3, J4	Banana Jack	U6047	4			JACK_BANANA_U6047	JACK_BANANA	
14	L1	135 功率电感 额定电流15A	3.3uH	1			INDUCTOR 1350 12.6X13.5X5.0mm	Inductor_power	
15	P1, P7		CONN_X2	2			2.54mm_Male_x2	CONN_X2	
16	P2, P3, P4, P5, P6		CONN_X3	5			2.54mm_Male_x3	CONN_X3	
17	Q1, Q2, Q3, Q4		N-MOS_GDS	4			SON 3X3 NexFET Q3	N-MOS_GDS	
18	Q1B, Q2B, Q3B, Q4B		N-MOS_GDS	4			SO8FL ROUND	N-MOS_GDS	
19	Q5	N-MOS	2N7002	1			INFINEON SOT-23-3	N-MOS_123	
20	R1-1, R2-1	IEC Standard	NC	2			R1206	RES	
21	R1, R2	IEC Standard	10mR	2			R1206	RES	
22	R3, R4	IEC Standard	NC	2			R0805	RES	
23	R7, R8, R9, R10, R11, R12	IEC Standard	0R	9			R0603	RES	
24	R13, R14, R15, R16	IEC Standard	1K	4			R0603	RES	
25	R17	IEC Standard	200K	1			R0603	RES	
26	R18	IEC Standard	10K	1			R0603	RES	
27	R19, R24, R27, R29, R30	IEC Standard	100K	5			R0603	RES	
28	R20	IEC Standard	32.4K	1			R0603	RES	
29	R25	IEC Standard	68K	1			R0603	RES	
30	R26	IEC Standard	15K	1			R0603	RES	
31	R28	IEC Standard	150K	1			R0603	RES	
32	R30	IEC Standard	12.1K	1			R0603	RES	
33	R32	IEC Standard	24K	1			R0603	RES	
34	R33	IEC Standard	40.2K	1			R0603	RES	
35	P1, TP2, TP3, TP4, TP5		CONN_X1_DOT	5			2.54mm_Male_x1	CONN_X1_DOT	
36	U1	高效率, 同步, 4 管升降压控制器	SC8701 (A)	1			TQFN-32 4X4MM 0.4 VIA	SC8701 (A)	