

Designator	ITEM	Description	Designator	Footprint	Quantity
PCB	1	FR-4,1oz,PbFree,1.6mm,2L			1
MCU	2	MDSF40, LQFP-48	U6	LQFP-48	1
MOSFET	3	EMD4903,TO-252-4L	U3, U4, U5	TO-252-4L	3
DIODES	4	DIODES,BAV21W(BAV21W-7),200V,400mA,SOD-123	D4	SOD-123	1
	5	PANJIT,RS1M,1000V,1A,DO-214AC/SMA,SMD	D1	SMA (DO-214AC)	1
	6	PANJIT,1N4148WS,250mW,100V,SOD-323,SMD	D3,D_BZ	SOD-323	2
	7	HY, HTRB20200CT, 200V, 20A, TO-263AB	D2	TO-263AB	1
	8	Infineon, IPN80R1K4P7, 800V, 4A, 1.4Ω, PG-SOT223	Q3	PG-SOT223	1
	9	Silergy,SY5028ABC,SOT23-6,Flyback & PFC Controller IC,SMD	U2	SOT23-6	1
	10	HY,D6KB6U,600V,6A,D3K,DIP	BR1	DIP	1
FUSE	11	SET-T3.15A,250V,3.15A,8.5mm*4mm*8.5mm,Pitch:5.08mm,DIP,SET Slow Blow Fuse	F1	Slow Blow Fuse	1
LED	12	LED, RED, L-C170JRCT, SMD0805	LED1	LED0805	1
Resistor	13	RES, 10R, 1%, 0603	R32, R42	R0603	2
	14	RES, 100R, 1%, 0603	R26, R27, R28, R33, R34, R35, R48	R0603	7
	15	RES, 1K, 1%, 0603	R7, R11, R13, R14, R17, R18, R19, R45,R5, R15, R44	R0603	11
	16	RES, 2K, 1%, 0603	R5, R15, R44	R0603	3
	17	RES, 4.7KΩ, 1%, 0603	R8	R0603	1
	18	RES, 10KΩ, 1%, 0603	R9, R10, R16, R39, R43, R71, R73, R75 R36,R37,R38	R0603	11
	19	RES, 18K, 1%, 0603	R56	R0603	1
	20	RES, 20K, 1%, 0603	R46	R0603	1
	21	RES, 30K, 1%, 1206	R4	R1206	1
	22	RES, 100K, 1%, 0603	R54, R55, R72, R74, R76	R0603	5
	23	RES,51R,1%,0805	R53	R0805	1
	24	RES, 0R, 5%, 1206	R2	R1206	1
	25	RES, 0.02R, 1%, 1206	R31,R30	R1206	2
	26	RES, 0.75R, 1%, 1206	R47, R50	R1206	2
	27	RES, 51R, 1%, 1206	R25	R1206	1
	28	RES, 220R, 1%, 1206	R57	R1206	1
	29	RES,470R,1%,1206	R49	R1206	1
	30	RES,150K,1%,1206	R23, R24	R1206	2
	31	RES, 332K, 1%, 1206	R22, R29	R1206	2
	32	RES, 511KΩ, 1206, (200V)	R20, R21	R1206	2
	33	RES,5mR(0.005R),2512,1W	R40, R41	R2512	2
	34	TKS,TVR14561KSY,560V,±10%,ψ14mm,D:17mm,Pitch:7.5mm,DIP	Z1, Z3	DIP	2
Capacitor	35	CAP, CERM, 1000pF(1n), 50V, ±10%, X7R, 0603	C35	C0603	1
	36	CAP, CERM, 2nF, 50V, ±15%, X7R, 0603	C9, C10, C13, C15, C16, C17, C33	C0603	7
	37	CAP, CERM, 0.01uF(10n), 16V, ±10%, X7R, 0603	C12	C0603	1
	38	CAP, CERM, 0.1uF(100n), 50V, ±10%, X7R, 0603	C11, C14, C25, C27, C31, C34, C38,C72, C73 C71	C0603	10
	39	CAP, CERM, 0.47uF, 25V, ±15%, X7R, 0603	C3	C0603	1
	40	CAP, CERM, 1uF, 25V, ±10%, X7R, 0603	C7, C8, C23, C26, C32,C24	C0603	6
	41	CAP,CERM,1uF,50V, -20+80%, Y5V, 0805	C22, C36	C0805	2
	42	CAP, CERM, 1nF(1000p), 1KV, ±15%, X7R, 1206	C19, C20, C21	C1206	3
	43	CAP,N.C.C.KY,1000uF,35V,±20%,P:5*12.5*20,DIP,105°C	C29, C30	P:5*12.5*20	2
	44	CAP,TDK,CD70ZU2GA102M,1000pF,400V,±20%,Y1,P:10*7*7,DIP,125°C	CY1	P:10*7*7	1
	45	CAP, 10uF, 50V,5*11mm(OD*L),YXF, 105C, DIP, RUBYCON	C39	5*11mm	1
	46	CAP,HUA-JUNG,MKP-104K0305,0.1uF,305V,±10%,X2,P:15*18*5*11,DIP,110°C	CX3	P:15*18*5*11	1
	47	CAP, HUA-JUNG, MKP-334K0310AB1151,0.33uF, 305V, ±10%. X2,P:15*18*8*15.5,DIP,110°C	CX5	P:15*18*8*15.5	1
Inductor	48	UU9.8-15mH,15mH,0.36A,L:17mm*W:12mm*H:17mm,DIP	L4		1
	49	EF25,420uH,±10%,L:28.5mm*W:27mm*H:20mm,DIP	T1		1
Buzzer	50	YNR-1407-7.5MM,ψ12mm*H:9.5mm,Pitch:7.5mm,	BZ1		1
Header	51	Connector,P:2.54,3Pin,90°,DIP	IR	IR	1
	52	CHERNG WEEI,CV-W3961-03,P:3.96,3Pin,180°,11.88*8.6*14.6,DIP	UVW	UVW	1
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