

Designator	Description	Quantity	Value	Footprint	Manufacturer	Manufacturer Part Number	Mouser Part Number	JLPCB Part Number
C5, C48	CAP 0.1uF 100V X7R 0805	2	0.1uF	CAP 0805	Yageo	CC0805KKX7ROBB104	603-CC805KKX7ROBB104	C106243
C7, C8, C28	CAP CER 4.7uF 100V X7S 1210	3	4.7uF	CAP 1210	Taiyo Yuden	HMK325C7475KN-TE	963-HMK325C7475KN-TE	C697607
C9	CAP CER 0.022uF 200V X7R 0805	1	22nF	CAP 0805	Yageo	CC0805KKX7RABB223	603-CC805KKX7RABB223	C326967
C10	CAP CER 1200pF 100V COG 0603	1	1.2nF	CAP 0603	TDK	CGA3E2C0G2A122JT0Y0N	810-CGA3E2C0G2A122J	C342931
C11	CAP CER 0.22uF 25V X7R 0603	1	0.22uF	CAP 0603	YAGEO	CC0603KRX7R8BB224	603-CC603KRX7R8BB224	C106857
C12, C61	CAP CER 100pF 50V COG/NPO 0603	2	100pF	CAP 0603	Samsung	CL10C101JB8NNNC	187-CL10C101JB8NNNC	C14858
C13,C14,C46, C47	CAP CER 47uF 16V X6S 1210	4	47uF	CAP 1210	Murata	GRM32EC81C476KE15L	81-GRM32EC81C476KE5L	C162512
C17	CAP CER 220pF 200V X7R 0805	1	220pF	CAP 0805	Yageo	CC0805KRX7RABB221	603-CC805KRX7RABB221	C107162
C20	CAP CER 4700pF 2KV X7R 1812	1	4.7nF	CAP 1812	Yageo	CC1812KKX7RDBB472	603-CC812KKX7RDBB47	C309511
C22	CAP CER 2.2uF 50V X7R 0805	1	2.2uF	CAP 0805	YAGEO	CC0805KKX7R9BB225	603-CC805KKX7R9BB225	C125847
C36	CAP ALUM 330UF 20% 25V SMD	1	330uF	EXV-9M_KEM	KEMET	EEV337M025A9MAA	80-EEV337M025A9MAA	C7271831
C41	CAP CER 2200pF 50V X7R 0603	1	2.2nF	CAP 0603	Samsung	CL10B222KB8NNNC	187-CL10B222KB8NNNC	C16033
C45	CAP ALUM 47UF 20% 100V SMD	1	47uF	CAP_UCD_10X10_NCH	Panasonic	EEE-FN2A470UP	667-EEE-FN2A470UP	C494877
C56, C57, C58, C59, C62	CAP CER 1.0uF 50V X7R 0603	5	1uF	CAP 0603	YAGEO	CC0603KRX7R9BB105	603-CC603KRX7R9BB105	C559769
C100	CAP CER 0.1uF 100V X7R 0603	1	0.1uF	CAP 0603	Samsung	CL10B104KC8NNNC	187-CL10B104KC8NNNC	C15725
C122	CAP CER 0.47uF 25V X7R 0603	1	0.47uF	CAP 0603	TAIYO YUDEN	UMK107B7474KA-TR	963-UMK107B7474KA-TR	C92847
C560	CAP 33pF 100V X7R 0603	1	33pF	CAP 0603	YAGEO	CC0603FRNPO0BN330	603-CC603FRNPO0BN330	C527043
C610	CAP 0603 DNP	1	DNP	CAP 0603				
D3	DIODE GEN PURP 200V 1A DO214AC	1		DIOM5027-221N	Vishay	ES1D-E3/61T	625-ES1D-E3	C82648
D7	DIODE GEN PURP 100V 200MA SOD123	1		SOD-123_ONS	onsemi	MMSD4148T1G	863-MMSD4148T1G	C11177
D8	ZENER SOD-123F 12V 0.5W 5%	1		SOD-123_ONS	Diotec Semiconductor	MMSZ5242B	637-MMSZ5242B	C500776
L1	FIXED IND 1UH 4.2A 13.9 MOHM SMD	1	1uH	SRN6045-1R0Y	Bourns Inc.	SRN6045-1R0Y	652-SRN6045-1R0Y	C3013490
P1	CONN HEADER VERT 3POS 2.54MM	1		3 Pin Header-Footprint-1	Sullins	PREC003SAAN-RC		C124376
Q1	N-Channel 200 V 3.2A (Ta) 1.9W (Ta) Surface Mount PowerPAK® SO-8	1		SI7450DP	VISHAY	SI7450DP-T1-E3	781-SI7450DP-E3	C913434
Q2	MOSFET N-CH 100V 90A TDSO8-8	1		BSC070N10NS3GATMA1	Infineon Technologies	BSC070N10NS3GATMA1	726-BSC070N10NS3GATM	C148247
Q3	TRANS NPN 60V 1A SOT89-3	1		FCX493TA	Diodes Incorporated	FCX491TA	522-FCX491TA	C156315
R1	RES 100K OHM 1% 1/4W1206	1	100K	RES 1206	Yageo	RC1206FR-07100KL	603-RC1206FR-07100KL	C137393
R2	RES 150K OHM 1% 1/8W 0805	1	150K	RES 0805	Yageo	RC0805FR-07150KL	603-RC0805FR-07150KL	C114558
R5	RES 510 OHM 1% 1/10W 0603	1	510	RES 0603	Yageo	RC0603FR-07510RL	603-RC0603FR-07510RL	C114670
R10	RES 10 OHM 1% 1/8W 0805	1	10	RES 0805	YAGE	AC0805FR-0710RL	603-AC0805FR-0710RL	C138273
R16	RES 10 OHM 1% 1/4W 1206	1	10	RES 1206	Yageo	RC1206FR-0710RL	603-RC1206FR-0710RL	C108080
R20	RES 0.005 OHM 1% 1/4W 1206	1	5m	RES 1206	Yageo	PA1206FRF470R005L	603-PA1206FRF470R005	C723403
R25, R220, R221	RES 300 OHM 1% 1/10W 0603	3	300	RES 0603	Yageo	RC0603FR-07300RL	603-RC0603FR-07300RL	C114617
R26, R31, R36,R40, R42, R56, R400, R420	RES 0 OHM JUMPER 1/10W 0603	8	0	RES 0603	Yageo	RC0603FR-070RL	603-RC0603FR-070RL	C100044
R30	RES 24k OHM 1% 1/10W 0603	1	24K	RES 0603	Yageo	RC0603FR-0724KL	603-RC0603FR-0724KL	C137760
R32	RES 88.7k OHM 1% 1/10W 0603	1	88.7K	RES 0603	Yageo	RC0603FR-0788K7L	603-RC0603FR-0788K7L	C163418
R34, R401,R402	RES 10k OHM 1% 1/10W 0603	3	10K	RES 0603	Yageo	RC0603FR-0710KL	603-RC0603FR-0710KL	C98220
R35	RES 3.3K OHM 1% 1/10W 0603	1	3.3K	Res 0603	Yageo	RC0603FR-073K3L	603-RC0603FR-073K3L	C108078
R55	RES 0603 DNP	1	DNP	Res 0603				
R100	RES 10K OHM 1% 1/8W 0805	1	10K	RES 0805	Yageo	RC0805FR-0710KL	603-RC0805FR-0710KL	C84376
T1	Power Over Ethernet (PoE) for DC/DC Converters SMPS Transformer 1500Vrms Isolation 250kHz Surface Mount	1		EFD20	Würth Elektronik	750319036	710-750319036	C17367552
TP1, TP2, TP3, TP6, TP9, TP10, TP3, TP4, TP7, TP8	TERM TURRET SINGLE L=5.56MM TIN	7		KSTN-1502-2	Keystone	1502-2	534-1502-2	C4355001
	PC TEST POINT MULTIPURPOSE YELLOW	4		KSTN-5014_V	Keystone	5014	534-5014	C238128
U1	Synchronous Flyback Controller with Integrated Feedback & Digital Isolator	1		KTB1095	Kinetic Technologies	KTB1095EYAA-TE	389-KTB1095EYAA-TE	C37499311

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