

PMP31276 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C3	3	120uF	861141484010	Wurth Elektronik	WCAP-AI3H Aluminum Electrolytic Capacitor, Snap-In, D25 x H30mm, 120µF, 450V	
C4, C16, C97	3	0.01uF	885342208009	Wuerth	CAP, CERM, 0.01 uF, 500 V, +/- 10%, X7R, 1206	1206
C5, C6, C7, C10, C11	5	0.33uF	890334024003	Wurth Elektronik	WCAP-FTXX Film Capacitor, THT, L15 x W8.5 x H14mm, 330nF, 310V	
C8, C12, C39, C40, C41	5	10µF	885012209073	Wurth Electronics	10 µF ±10% 50V Ceramic Capacitor X7R 1210 (3225 Metric)	1210
C9, C13, C44	3	2.2nF	8853522130151	Wurth Elektronik	WCAP-CSSA Multilayer Ceramic Chip Safety Capacitor, size 2211, X7R Class II, 2.2nF, 250VAC	
C14, C69, C70	3	0.47uF	GRM188R71E474KA12D	MuRata	CAP, CERM, 0.47 uF, 25 V, +/- 10%, X7R, 0603	0603
C15, C27, C50, C80, C81, C82, C83, C86, C91, C96, C100, C201	12	0.1uF	885012206095	Wurth Elektronik	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
C17, C45, C46	3	2.2uF	GRM188R6YA225KA12D	MuRata	CAP, CERM, 2.2 uF, 35 V, +/- 10%, X5R, 0603	0603
C18, C20, C23, C31, C62, C101, C102, C103	8	1000pF	885012206083	Wurth Elektronik	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
C19, C25, C26, C49	4	1uF	C1608X6S1H105K080AC	TDK	CAP, CERM, 1 uF, 50 V, +/- 10%, X6S, 0603	0603
C21, C22	2	33pF	885012006054	Wuerth	CAP, CERM, 33 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C24, C53, C56	3	220pF	C0603C221J5GAC7867	KEMET	220 pF ±5% 50V Ceramic Capacitor C0G, NP0 0603 (1608 Metric)	0603
C28	1	220nF	885012206125	Wurth Electronics	0.22 µF ±5% 50V Ceramic Capacitor X7R 0603 (1608 Metric)	0603
C29, C30, C63	3	4700pF	885012206087	Wurth Elektronik	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0603	0603
C32	1	0.1uF	885382211002	Wuerth	CAP, CERM, 0.1 uF, 1000 V, +/- 10%, X7R, 1812	1812
C33, C43	2	10nF	CKC18C103JDGACAUTO	KEMET	10000 pF ±5% 1000V Ceramic Capacitor C0G, NP0 1812 (4532 Metric)	1812
C34, C47	2	330pF	885012008070	Wuerth	CAP, CERM, 330 pF, 100 V, +/- 5%, C0G/NP0, 1206	1206
C35, C36, C37, C38	4	680uF	865060562010	Wurth Elektronik	WCAP-ASLL Aluminum Electrolytic Capacitor, V-Chip, D12.5 x H14mm, 680µF, 35V	
C42	1	150pF	885342208016	Wurth Elektronik	WCAP-CSMH Multilayer Ceramic Chip Capacitor, Mid and High Voltage, size 1206, X7R Class II, 150pF, 1000VDC	
C48, C52	2	4.7uF	C2012X7R1V475K125AC	TDK	CAP, CERM, 4.7 uF, 35 V, +/- 10%, X7R, 0805	0805
C51	1	0.22uF	C1608X7R1H224K080AB	TDK	CAP, CERM, 0.22 uF, 50 V, +/- 10%, X7R, 0603	0603
C54, C60, R72, R80, R90	5	DNP	DNP	DNP	DNP	0603
C55	1	100pF	885012006057	Wurth Elektronik	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C57, C58	2	2200pF	C0603C222K5RAC	Kemet	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0603	0603
C59	1	5600pF	C0603C562K5RACTU	Kemet	CAP, CERM, 5600 pF, 50 V, +/- 10%, X7R, 0603	0603
C61	1	0.047uF	C1608X5R1H473K080AA	TDK	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X5R, 0603	0603
C64, C65, C66, C67, C68, C71, C72, C73, C74, C75, C76, C77, C78	13	10uF	885012209073	Wuerth	CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, 1210	1210
C79, C88, C89, C90, C98	5	150uF	UCL1V151MCL6GS	Nichicon	CAP, AL, 150 uF, 35 V, +/- 20%, 0.1 ohm, SMD	10x10
C84	1	4.7uF	885012107018	Wurth Elektronik	CAP, CERM, 4.7 uF, 25 V, +/- 10%, X5R, 0805	0805
C85	1	1uF	885012207103	Wurth Elektronik	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	0805
C87	1	4.7uF	GRM188C81E475KE11D	MuRata	CAP, CERM, 4.7 uF, 25 V, +/- 10%, X6S, 0603	0603

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C92	1		885012208094	Würth Electronics	4.7µF ±10% 50V Ceramic Capacitor X7R 1206 (3216 Metric)	1206
C93	1	22uF	885012107011	Würth Elektronik	CAP, CERM, 22 µF, 10 V,+/- 20%, X5R, 0805	0805
C94	1	10uF	885012208069	Würth Elektronik	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, 1206	1206
C95	1	22pF	885012006053	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, NP0, 22pF, 50VDC	
C99	1	1uF	885012206026	Würth Elektronik	CAP, CERM, 1 uF, 10 V,+/- 10%, X7R, 0603	0603
C200	1	0.1uF	C1210C104KBRAC7800	Kemet	CAP, CERM, 0.1 uF, 630 V, +/- 10%, X7R, 1210	1210
D1, D8	2	DTH8L06D NC	DTH8L06DNC	Diodes	Diode, Ultrafast, 600 V, 8 A, DPAK	DPAK
D2, D11, D15	3	BAT54HT1 G	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
D3	1	800V	GBU10V08	Diodes Inc.	Diode, Switching-Bridge, 800 V, 10 A, TH	GBU
D4	1	S3J-E3/57T	S3J-E3/57T	Vishay-Semiconductor	Diode, Switching, 600 V, 3 A, SMC	SMC
D5, D6	2	SL1M	SL1M	Diotech Semiconductor AG	Diode, Fast Rectifier, 1000 V, 1 A, SOD-123F	SOD-123F
D7, D9, D10, D12, D13, D14	6	BAS20HT1 G	BAS20HT1G	ON Semiconductor	Diode, Switching, 200 V, 0.2 A, AEC-Q101, SOD-323	SOD-323
D16, D17	2	40V	RB160MM-40TR	Rohm	Diode, Schottky, 40 V, 1 A, SOD-123	SOD-123
D18, D37	2	16V	MM3Z16VST1G	ON Semiconductor	Diode, Zener, 16 V, 300 mW, SOD-323	SOD-323
D19	1	US1J-13-F	US1J-13-F	Diodes Inc.	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D20	1	DNP	DNP	DNP	DNP	SOD-323
D21	1	DNP	DNP	DNP	DNP	SOD-123F
D22, D25	2	15V	CMDZ15L	Central semiconductor	Diode, Zener, 15 V, 200 mW, SOD-323	SOD-323
D23, D24, D31, D32, D33, D34	6	100V	BAT46WJ,115	Nexperia	Diode, Schottky, 100 V, 0.25 A, SOD-323F	SOD-323F
D26, D27, D28	3	Green	150120VS75000	Würth Elektronik	LED, Green, SMD	3.2x1.6mm
D29	1	5.1V	MMSZ4689T3G	ON Semiconductor	Diode, Zener, 5.1 V, 500 mW, SOD-123	SOD-123
D30	1	40V	BAS40-04-7-F	Diodes Inc.	Diode, Schottky, 40 V, 0.2 A, SOT-23	SOT-23
D35	1	600V	ES1J-LTP	Micro Commercial Componen	Diode, Superfast Rectifier, 600 V, 1 A, SMA	SMA
D36	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMA	SMA
F1	1	5A	SF-3812F500T-2	Bourns	5 A 250 V AC 80 V DC Fuse Board Mount (Cartridge Style Excluded) Surface Mount 2-SMD, Square End Block	3812
H1	1		V9733E1-LP	Assmann WSW components	Heat Sink 11 K/W, 25,4x42x25 mm, black anodized, for TO-220	THERMAL_HEATSIN K_25MM0_42MM0
H2, H3, H4, H5, H6, H7	6		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
H8	1	M3x12mm	RM3X12MM 2701	APM Hexseal	SCREW, M3X4MM, FH, SS, MACHIN	
H9	1	Hex Nut Steel M3	4708	Keystone	HEX NUT 0.217" STEEL M3	
H10	1	Lock Washer M3	MLWZ 003	B&F Fastener Supply	Lock Washer, split, M3, Steel	
J1	1		691213510003	Wuerth	Terminal Block, 5.08 mm, 3x1, Brass, TH	3x1 5.08 mm Terminal Block
J2, J4, J6, J11	4		999-11-113-10-000000	Mill-Max	Shorting Jumper, 7.62mm, 2 Position, Gold, TH	Shorting Jumper, 7.62mm, 2 Position, Gold, TH
J3, J7	2		691236510003	Würth Elektronik	Terminal Block, 5.08mm, 3x1, R/A, TH	Terminal Block, 5.08mm, 3x1, R/A, TH
J5	1		61900419521	Wuerth		HDR4
J8	1		61300621121	Würth Elektronik	Header, 2.54mm, 3x2, Gold, TH	Header, 2.54mm, 3x2, TH
J9, J10	2			Samtec	HTSW - Samtec 2.54mm High-Temp Terminal Strip / Header	
L1, L5	2		750314724	Würth	INDUCTOR	PTH_XFRMR_23MM 5_26MM0
L2	1	220uH	74437529203221	Würth Elektronik	Inductor, Shielded, Mn-Zn, 220 µH, 5.3 A, 0.040095 ohm, SMD	SMT High Current Inductor

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L3, L4	2	0.7mH	74466340007	Würth Elektronik	Coupled inductor, 0.7 mH, 5.25 A, 0.03 ohm, SMD	23.3x18.5mm
L6	1	32uH	750371775r00	Würth	INDUCTOR	PTH_22MM0_22MM0
L7	1	300nH	7443081030	Würth Electronics	WE-HCM SMT High Current Flat Wire Inductor 34.6A 300nH @ 10% 100kHz 0.3045mohm	SMT_IND_9MM4_6M M2
L8	1	5.5uH	744325550	Würth Elektronik	Inductor, Shielded Drum Core, Superflux, 5.5 uH, 10 A, 0.0112 ohm, SMD	WE-HC6
L9	1	15uH	74438335150	Würth Elektronik	WE-MAPI SMT Power Inductor, size 3015, 15uH, 0.65A, 830mOhm	
L10	1	470uH	7687714471	Würth Elektronik	WE-PD HV SMT High Voltage Power Inductor, size 1060, 470uH, 0.6A, 1.45Ohm	
MP1, MP2	2		17W03131	Essentra Components	Flat Washer 0.020" (0.51mm) Thick Nylon	WASHER
Q1, Q3	2	IPB60R180 C7	IPB60R180C7	Infineon Technologies	MOSFET, N-CH, 600 V, 13 A, DDPAK	DDPAK
Q2	1	IPD60R360 P7S	IPD60R360P7SAUMA1	Infineon Technologies	MOSFET, N-CH, 600 V, 9 A, DPAK	DPAK
Q4	1	125V	FMMT624TA	Diodes Incorporated	Bipolar (BJT) Transistor NPN 125 V 1 A 155MHz 625 mW Surface Mount SOT-23-3	SOT23
Q5	1		BSS84LT1G	On Semiconductor	P-Channel 50V 130mA (Ta) 225mW (Ta) Surface Mount SOT-23-3 (TO-236)	SOT-23-3-318-08
Q6	1	MMBT3906-7-F	MMBT3906-7-F	Diodes Inc.	Transistor, PNP, 40 V, 0.2 A, SOT-23	SOT-23
Q7, Q8, Q11, Q13	4	ISC0602NLS	ISC0602NLS	Infineon	N-Channel 80 V 66A , Surrface Mount PG-TDSON-8-6	TDSON-8
Q9, Q10	2	IPB60R090 CFD7	IPB60R090CFD7	Infineon	Power Transistor MOSFET N-Channel Enhancement 600V 21A 3-Pin D2PAK T/R	D2PAK
Q12	1	MMBTA05L T1G	MMBTA05LT1G	ON Semiconductor	Transistor, NPN, 60 V, 0.5 A, AEC-Q101, SOT-23	SOT-23
Q14	1	BSS138LT3G	BSS138LT3G	ON Semiconductor	MOSFET, N-CH, 50 V, .2 A, AEC-Q101, SOT-23	SOT-23
Q15, Q16, Q17, Q18	4	60V	CSD18531Q5A	Texas Instruments	MOSFET, N-CH, 60 V, 100 A, DQJ0008A (VSONP-8)	DQJ0008A
Q19, Q20, Q21, Q22	4	NTTFS5C6 70NLTAG	NTTFS5C670NLTAG	ON Semiconductor	MOSFET, N-CH, 60 V, 70 A, 8-PowerWDFN	8-PowerWDFN
Q23	1	SUM110P06	SUM110P06-07L-E3	Vishay-Siliconix	MOSFET, P-CH, -60 V, -110 A, DDPAK	DDPAK
R1, R15, R48, R49, R50, R54, R55, R59, R63	9	2.2	RC0805JR-072R2L	Yageo America	RES, 2.2, 5%, 0.125 W, 0805	0805
R2, R10, R17, R22, R32, R53, R57, R81	8	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R3, R18	2	18	ERJ-6GEYJ180V	Panasonic	RES, 18, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R4, R5	2	0.03	CSRN2512FK30L0	Stackpole Electronics Inc	RES, 0.03, 1%, 2 W, 2512	2512
R6, R38, R86	3	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7	1	390k	RC0603FR-07390KL	Yageo	RES, 390 k, 1%, 0.1 W, 0603	0603
R8, R9, R14	3	499k	RC1206FR-07499KL	Yageo America	RES, 499 k, 1%, 0.25 W, 1206	1206
R11, R16, R21, R43, R44, R45	6	1.37Meg	CRCW12061M37FKEA	Vishay-Dale	RES, 1.37 M, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R12, R39, R121, R122, R123, R124, R131	7	4.75k	RC0603FR-074K75L	Yageo	RES, 4.75 k, 1%, 0.1 W, 0603	0603
R13, R34, R115	3	22.0k	RC0603FR-0722KL	Yageo	RES, 22.0 k, 1%, 0.1 W, 0603	0603
R19	1	35.7k	RC0603FR-0735K7L	Yageo	RES, 35.7 k, 1%, 0.1 W, 0603	0603
R20	1	20.0k	ERJ-3EKF2002V	Panasonic	RES, 20.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R23	1	1.00Meg	RC0603FR-071ML	Yageo	RES, 1.00 M, 1%, 0.1 W, 0603	0603
R24	1	14.7k	RC0603FR-0714K7L	Yageo	RES, 14.7 k, 1%, 0.1 W, 0603	0603

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R25, R27, R29, R66, R68, R71	6	3.32Meg	CRCW12063M32FKEA	Vishay-Dale	RES, 3.32 M, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R26	1	63.4k	RC0603FR-0763K4L	Yageo	RES, 63.4 k, 1%, 0.1 W, 0603	0603
R28	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R30, R31	2	18.0k	RC0805FR-0718KL	Yageo America	RES, 18.0 k, 1%, 0.125 W, 0805	0805
R33	1	158k	RC0603FR-07158KL	Yageo	RES, 158 k, 1%, 0.1 W, 0603	0603
R35, R47	2	47.5k	RC0603FR-0747K5L	Yageo	RES, 47.5 k, 1%, 0.1 W, 0603	0603
R36	1	200k	RC0603FR-07200KL	Yageo	RES, 200 k, 1%, 0.1 W, 0603	0603
R37	1	182k	RC0603FR-07182KL	Yageo	RES, 182 k, 1%, 0.1 W, 0603	0603
R40	1	287k	RC0603FR-07287KL	Yageo	RES, 287 k, 1%, 0.1 W, 0603	0603
R41	1	26.7k	RC0603FR-0726K7L	Yageo	RES, 26.7 k, 1%, 0.1 W, 0603	0603
R42	1	80.6k	RC0603FR-0780K6L	Yageo	RES, 80.6 k, 1%, 0.1 W, 0603	0603
R46	1	46.4k	RC0603FR-0746K4L	Yageo	RES, 46.4 k, 1%, 0.1 W, 0603	0603
R51, R56	2	10	CRCW080510R0JNEA	Vishay-Dale	RES, 10, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R52, R62	2	22	RC1206FR-0722RL	Yageo America	RES, 22.0, 1%, 0.25 W, 1206	1206
R58	1	100	WCR0805LF1000FPLT	TT Electronics	Thick Film Resistors - SMD 100 OHM 1% 0805 Package 125mW 150V 100ppm/C	0805
R60	1	6.81k	RC0603FR-076K81L	Yageo	RES, 6.81 k, 1%, 0.1 W, 0603	0603
R61, R82, R91, R92, R94, R95, R98, R119	8	0	RMCF0603ZTOR00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R64	1	430k	RC0603FR-07430KL	Yageo	RES, 430 k, 1%, 0.1 W, 0603	0603
R65	1	49.9	RC0603FR-0749R9L	Yageo	RES, 49.9, 1%, 0.1 W, 0603	0603
R67	1	107k	RC0603FR-07107KL	Yageo	RES, 107 k, 1%, 0.1 W, 0603	0603
R69	1	499k	RC0603FR-07499KL	Yageo	RES, 499 k, 1%, 0.1 W, 0603	0603
R70, R78	2	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R73	1	10	DNP	DNP	DNP	0805
R74	1	130k	RC0603FR-07130KL	Yageo	RES, 130 k, 1%, 0.1 W, 0603	0603
R75	1	137k	RC0603FR-07137KL	Yageo	RES, 137 k, 1%, 0.1 W, 0603	0603
R76	1	33.0k	RC0603FR-0733KL	Yageo	RES, 33.0 k, 1%, 0.1 W, 0603	0603
R77	1	470k	B57371V2474J060	TDK	NTC Thermistor 470k 0603 (1608 Metric)	0603
R79	1	14.3k	RC0603FR-0714K3L	Yageo	RES, 14.3 k, 1%, 0.1 W, 0603	0603
R83	1	95.3k	RC0603FR-0795K3L	Yageo	RES, 95.3 k, 1%, 0.1 W, 0603	0603
R84, R104, R105, R106	4	1.00k	RC0603FR-071KL	Yageo	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R85, R102	2	15.0k	RC0603FR-0715KL	Yageo	RES, 15.0 k, 1%, 0.1 W, 0603	0603
R87	1	0.002	580070763001	Wuerth	RES, 0.002, 1%, 2 W, 2512	2512
R88, R89, R93, R97	4	10	560050316012	Würth Electronics	WRIS-KSKE Thick Film Resistors	0603
R96	1	0.005	580070763005	Wuerth	RES, 0.005, 1%, 2 W, 2512	2512
R99	1	113k	RC0603FR-07113KL	Yageo	RES, 113 k, 1%, 0.1 W, 0603	0603
R100	1	2.58k	RT0603DRE072K58L	Yageo America	RES, 2.58 k, 0.5%, 0.1 W, 0603	0603
R101	1	249k	RC0603FR-07249KL	Yageo	RES, 249 k, 1%, 0.1 W, 0603	0603
R103	1	4.22k	RT0603DRE074K22L	Yageo America	RES, 4.22 k, 0.5%, 0.1 W, 0603	0603
R107	1	66.5k	RC0603FR-0766K5L	Yageo	RES, 66.5 k, 1%, 0.1 W, 0603	0603
R108	1	24.3k	CRCW060324K3FKEA	Vishay-Dale	RES, 24.3 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R109	1	3.30k	RC0603FR-073K3L	Yageo	RES, 3.30 k, 1%, 0.1 W, 0603	0603
R110	1	1.00k	CRCW20101K00FKEF	Vishay-Dale	RES, 1.00 k, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R111	1	30.1k	RT0603BRD0730K1L	Yageo America	RES, 30.1 k, 0.1%, 0.1 W, 0603	0603
R112	1	5.23k	RT0603BRD075K23L	Yageo America	RES, 5.23 k, 0.1%, 0.1 W, 0603	0603
R113	1	100k	CRCW0603100KDHEAP	Vishay-Dale	RES, 100 k, 0.5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R114, R132	2	51.0k	RC0603FR-0751KL	Yageo	RES, 51.0 k, 1%, 0.1 W, 0603	0603
R116, R117	2	237k	ERJ-8ENF2373V	Panasonic	RES, 237 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R118	1	18.7k	RC0603FR-0718K7L	Yageo	RES, 18.7 k, 1%, 0.1 W, 0603	0603
R120	1	47.5	CRCW080547R5FKEA	Vishay-Dale	RES, 47.5, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805

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R125, R127, R128	3	10.0k	RC0603FR-0710KL	Yageo	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R126, R129, R130	3	110k	CRCW0603110KFKEA	Vishay-Dale	RES, 110 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R200	1	10.0k	ERJ-8ENF1002V	Panasonic	RES, 10.0 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R201	1	1.80k	RC0603FR-071K8L	Yageo	RES, 1.80 k, 1%, 0.1 W, 0603	0603
RT1	1	22	B57237S0220M000	TDK	Thermistor NTC, 22 ohm, 20%, 15x7mm	15x7mm
RV1	1	275VAC	V275SM7	Littelfuse	Varistor, 275VAC, 1200A, SMD	11.5x8.3x6.0mm
T1	1		750371772r00	Würth	TRANSFORMER	PTH16_41MM9_44MM0
TP1, TP2, TP17, TP23, TP26	5		5000	Keystone Electronics	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3, TP6, TP10, TP11, TP12, TP13, TP14, TP16, TP18, TP19, TP20, TP21, TP22, TP25	14		5004	Keystone Electronics	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
TP4, TP7, TP9, TP15, TP24, TP27	6		5001	Keystone Electronics	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP5, TP8	2		5002	Keystone Electronics	Test Point, Miniature, White, TH	White Miniature Testpoint
U1	1	TLV1812DR	TLV1812DR	Texas Instruments	Dual Rail-to-rail Comparator with push-pull outputs, 8-SOIC	SOIC8
U2	1	LM4040D50QDBZR	LM4040D50QDBZR	Texas Instruments	Precision Micropower Shunt Voltage Reference, 1% accuracy, 5 V, 15 ppm / degC, 15 mA, -40 to 125 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A
U3	1	UCC28065DR	UCC28065DR	Texas Instruments	Natural Interleaving Transition Mode PFC Controller with High Light Load Efficiency Supporting High-Frequency Switching up-to 1MHz, D0016A (SOIC-16)	D0016A
U4, U5, U8	3		SFH6156-2T	Vishay-Semiconductor	Optocoupler, 5.3 kV, 63-125% CTR, SMT	SMD, 4-Leads, Body 4.83x6.81mm, Pitch 2.54mm
U6	1	UCC24624DR	UCC24624DR	Texas Instruments	High Performance Synchronous Rectifier Driver for LLC Resonant Converter, D0008A (SOIC-8)	D0008A
U7	1		UCC256613	Texas Instruments	750kHz Wide VIN/VOUT Range LLC Controller Optimized for Light-Load Efficiency	SOIC14
U9	1	ATL431LIAQDBZR	ATL431LIAQDBZR	Texas Instruments	High Bandwidth Low-Iq Programmable Shunt Regulator, DBZ0003A (SOT-23-3)	DBZ0003A
U10	1	BQ25751RRVT	BQ25751RRVT	Texas Instruments	BQ25751RRVT	VQFN36
U11	1	TPS560430XDBVR	TPS560430XDBVR	Texas Instruments	4V to 36 V 0.6 A Synchronous Step-Down Converter, DBV0006A (SOT-23-6)	DBV0006A
U12	1	UCC28910DR	UCC28910DR	Texas Instruments	700V Flyback Switcher with Constant-Voltage Constant-Current and Primary-side Control, D0007A (SOIC-7)	D0007A

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