

PMP40586_AuxP REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB501	1		XXX###	Any	Printed Circuit Board	
C1, C515	2	10uF	25ML10MEFC4X5	Rubycon	CAP, AL, 10 uF, 25 V, +/- 20%, TH	D4xL6mm
C501	1	2.2uF	C2012X7R1H225K125AC	TDK	CAP, CERM, 2.2 uF, 50 V, +/- 10%, X7R, 0805	0805
C502	1	220uF	EKZE250ELL221MHB5D	Chemi-Con	CAP, AL, 220 uF, 25 V, +/- 20%, TH	D8xL11.5
C503	1	2.2uF	UVY2W2R2MPD1TD	Nichicon	CAP, AL, 2.2 uF, 450 V, +/- 20%, TH	D8xL11.5mm
C504	1	2.2uF	08053C225KAT2A	AVX	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X7R, 0805	0805
C505	1	0.1uF	GRM43DR72J104KW01L	MuRata	CAP, CERM, 0.1 uF, 630 V, +/- 10%, X7R, 1812	1812
C506, C510	2	1000pF	GRM2165C2A102JA01D	MuRata	CAP, CERM, 1000 pF, 100 V, +/- 5%, C0G/NP0, 0805	0805
C507	1	100pF	C0603C101J5GACTU	Kemet	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C508	1	2200pF	GRM31BR72J222KW01L	MuRata	CAP, CERM, 2200 pF, 630 V, +/- 10%, X7R, 1206	1206
C509	1	1000pF	C0603X102K5RACTU	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
C511	1	0.1uF	C0603X104K3RACTU	Kemet	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
C512	1	0.22uF	GRM188R71E224KA88D	MuRata	CAP, CERM, 0.22 uF, 25 V, +/- 10%, X7R, 0603	0603
C513	1	470uF	EEU-FR1E471LB	Panasonic	CAP, AL, 470 uF, 25 V, +/- 20%, TH	CAP, 8x20mm
C514	1	1uF	GRM216R61E105KA12D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X5R, 0805	0805
D501	1	75V	1N4148WX-TP	Micro Commercial Component	Diode, Switching, 75 V, 0.15 A, SOD-323	SOD-323
D502	1	15V	MMSZ4702-E3-08	Vishay-Semiconductor	Diode, Zener, 15 V, 500 mW, SOD-123	SOD-123
D503, D506	2	100V	B2100A-13-F	Diodes Inc.	Diode, Schottky, 100 V, 2 A, SMA	SMA
D504	1	1000V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000 V, 1 A, SMA	SMA
D505	1	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
J501	1		PPPC032LJBN-RC	Sullins Connector Solutions	Receptacle, 2.54mm, 3x2, Gold, R/A, TH	Receptacle, 2.54mm, 3x2, R/A, TH
J502	1		PPPC022LJBN-RC	Sullins Connector Solutions		5.58x5x8.5 mm
Q501	1	700V	IPD70R1K4P7SAUMA1	Infineon Technologies	MOSFET, N-CH, 700 V, 4A, DPAK	DPAK
R501, R513	2	10	RC1206FR-0710RL	Yageo America	RES, 10.0, 1%, 0.25 W, 1206	1206
R502, R514, R515	3	1.00k	RC0603FR-071KL	Yageo	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R503, R505	2	200k	RC1206FR-07200KL	Yageo America	RES, 200 k, 1%, 0.25 W, 1206	1206
R504	1	20	RC1206FR-0720RL	Yageo America	RES, 20.0, 1%, 0.25 W, 1206	1206
R506	1	10.0k	RC0603FR-0710KL	Yageo	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R507	1	100	RC1206FR-07100RL	Yageo America	RES, 100, 1%, 0.25 W, 1206	1206
R508	1	1.3	RC1206FR-071R3L	Yageo America	RES, 1.30, 1%, 0.25 W, 1206	1206
R509	1	100k	RC0603FR-07100KL	Yageo	RES, 100 k, 1%, 0.1 W, 0603	0603
R510, R519	2	22.0k	RC0603FR-0722KL	Yageo	RES, 22.0 k, 1%, 0.1 W, 0603	0603
R511	1	47.0k	RC0603FR-0747KL	Yageo	RES, 47.0 k, 1%, 0.1 W, 0603	0603
R512	1	24.0k	RC0603FR-0724KL	Yageo	RES, 24.0 k, 1%, 0.1 W, 0603	0603
R516	1	10	RC0603FR-0710RL	Yageo	RES, 10.0, 1%, 0.1 W, 0603	0603
R517	1	100	RC0603FR-07100RL	Yageo	RES, 100, 1%, 0.1 W, 0603	0603
R518	1	200k	RC0603FR-07200KL	Yageo	RES, 200 k, 1%, 0.1 W, 0603	0603
R520	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R521	1	169k	RC0603FR-07169KL	Yageo	RES, 169 k, 1%, 0.1 W, 0603	0603
R522	1	44.2k	RC0603FR-0744K2L	Yageo	RES, 44.2 k, 1%, 0.1 W, 0603	0603
T501	1	750uH	750344686	WURTH	Transformer, 750 uH, TH	EE16

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U501	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A (SOIC-7)	D0007A
U502	1		FOD817A	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, TH	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U503	1		TL431LIAIDBZR	Texas Instruments	Programmable Shunt Regulator with Optimized Reference Current, DBZ0003A (SOT-23-3)	DBZ0003A

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