

PMP4378A BOM

Item	Qty	Reference	Type	Part Name	MFR	Value	Package	Description
1	1	C4	Ceramic	C2012X7R1E4 75K	TDK	4.7uF, 25V	805	Capacitor, Ceramic, Chip, 10%
2	1	C7	Ceramic	C3216COG2J4 71J	TDK	470pF, 630V	1206	Capacitor, Ceramic, Chip, 5%
3	1	C6	Ceramic	Std	Std	1000pF	603	Capacitor, Ceramic, Chip, 10%
4	2	C8-9	Ceramic	Std	Std	0.1uF	603	Capacitor, Ceramic, Chip, 10%
5	1	C10	Y1 capacitor	Std	Std	470pF	TH type	Capacitor, Ceramic, 5%
6	1	D3, D4, D7, D8	Bridge rectifier Diode	DFLR1600	Diodes	1A, 600V	SOD123FL	Standard Rectifier, 1A, 600V
7	1	D2	Schotty rectifier	DFLS240L	Diodes	2A, 40V	SOD123FL	Schotty Rectifier, 2A, 40V
8	1	D5	Standard rectifier	DFLR1600	Diodes	1A, 600V	SOD123FL	Standard Rectifier, 1A, 600V
9	1	D6	Switching diode	BAS20HT1G	ON	0.2A, 200V	SOD323	Switching diode, SMD
10	1	Q1	MOSFET	STU6N60M2	ST	6A, 600V	IPAK	NMOS, 6A, 600V, IPAK
11	1	NTC	NTC	NCP18WF104F 12RB	MuRata	100k	603	B-constant: 4200k, OTP: 86 degree
12	1	L1	Axial leaded fixed inductor	7447462221	Würth	220uH	TH type	Axial leaded fixed inductor
13	1	T1	Transformer	750341984	WE-midcon		TH type	EE16C-8pin
14	1	R2	Resistor	Std	Std	200k	603	Resistor, Chip, 1/8W, 1%,
15	1	R4	Resistor	Std	Std	22	603	Resistor, Chip, 1/8W, 1%

16	1 R7	Resistor	Std	Std	20	805	Resistor, Chip, 1/5W, 1%
17	1 R8	Resistor	Std	Std	68K	805	Resistor, Chip, 1/5W, 1%
18	1 R9	Resistor	Std	Std	47k	603	Resistor, Chip, 1/8W, 1%
19	1 R10	Resistor	Std	Std	220	603	Resistor, Chip, 1/8W, 1%
20	1 R16	Resistor	Std	Std	240k	603	Resistor, Chip, 1/8W, 1%
21	1 R17	Resistor	Std	Std	68k	603	Resistor, Chip, 1/8W, 1%
22	1 R3	Resistor	Std	Std	120	1206	Resistor, Chip, 1/4W, 1%
23	1 R6	Resistor	Std	Std	330k	1206	Resistor, Chip, 1/4W, 1%
24	1 R11	Resistor	Std	Std	4.7	603	Resistor, Chip, 1/8W, 1%
25	1 R12	Resistor	Std	Std	1.6	805	Resistor, Chip, 1/8W, 1%
26	1 R13	Resistor	Std	Std	2	805	Resistor, Chip, 1/5W, 1%
27	1 R1	Resistor	Std	Std	10k	805	Resistor, Chip, 1/5W, 1%
28	1 R14	Resistor	Std	Std	4.3k	805	Resistor, Chip, 1/5W, 1%
29	1 R18	Resistor	Std	Std	1M	603	Resistor, Chip, 1/8W, 1%
30	1 FUSE	Resistor fuse	Std	Std	2A, 250v	Axial leaded	Resistor fuse
31	1 R5	Resistor	Std	Std	100k	805	Resistor, Chip, 1/5W, 1%
32	2 C1-2	Electrolyti c capacitor	AX Series/KSH1 06M400T1Z5H 0 1CK	Rubycon/TEAP	10uF, 400V	10mm(die)x12.5m m(hight)	size, 10mmx12.5mm
33	1 C3	Electrolyti c solid capacitor	6SEPC680MW	Panasonic	680uF, 6.3V	6.3mm(di e.)x8mm(hight)	size, 6.3mmx8mm
34	1 C5	Electrolyti c solid capacitor	PCG827M6R3S 1ANE09K	TEAPO	820uF, 6.3V	6.3mm(di e.)x9mm(hight)	size, 6.3mmx9mm

35	1	Q2	MOSFET	CSD18503Q5A	TI	QFN5X6mm MOSFET, NChan, 40V, 100A, 6.2mOhm
36	1	U1	PSR	UCC28713	TI	S0-8 PSR controller
37	1	U2	synchronous controller	UCC24610D	TI	S0-8 IC, SECONDARY-SIDE SYNCHRONOUS RECTIFIER CONTROLLER FOR 5V SYSTEMS
38	1	J1	USB		std	TH type USB connector, Type a

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