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PMP40281 REV 1.0 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	2.2uF	C2012X7R1V225K085AC	TDK	CAP, CERM, 2.2 uF, 35 V, +/- 10%, X7R, 0805	0805
2	C2	1	4.7uF	GRM188Z71C475KE21D	MuRata	CAP, CERM, 4.7 uF, 16 V, +/- 10%, X7R, 0603	0603
3	C3	1	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
4	C4, C10	2	150pF	GRM31A5C2J151JW01D	MuRata	CAP, CERM, 150 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
5	C5	1	2.2uF	C1206C225K4RACTU	Kemet	CAP, CERM, 2.2 uF, 16 V, +/- 10%, X7R, 1206	1206
6	C6	1	3.3pF	GRM1555C1H3R3CA01D	MuRata	CAP, CERM, 3.3 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
7	C7	1	0.15uF	GRM155R71C154KA12D	MuRata	CAP, CERM, 0.15 uF, 16 V, +/- 10%, X7R, 0402	0402
8	C8	1	47pF	GRM1555C1H470FA01D	MuRata	CAP, CERM, 47 pF, 50 V, +/- 1%, C0G/NP0, 0402	0402
9	C9	1	0.015uF	GRM2195C1H153JA01D	MuRata	CAP, CERM, 0.015 uF, 50 V, +/- 5%, C0G/NP0, 0805	0805
10	C11	1	220pF	GRM1555C1H221JA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
11	C12	1	3.9pF	GRM1555C1H3R9CA01D	MuRata	CAP, CERM, 3.9 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
12	D1, D2	2	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMA	SMA
13	D3	1	600V	ES1JAF	Fairchild Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMAF	SMAF
14	J1	1		4-644694-4	TE Connectivity	Header, 100 mil, 14x1, Tin, R/A, TH	Header, 100 mil, 14x1, R/A, TH
15	J2	1		5-146261-1	TE Connectivity	Header, 100mil, 2x1, Gold, TH	Header, 2x1, 100mil
16	R1, R2, R4	3	1.65k	CRCW12061K65FKEA	Vishay-Dale	RES, 1.65 k, 1%, 0.25 W, 1206	1206
17	R3	1	2.2	CRCW06032R20JNEA	Vishay-Dale	RES, 2.2, 5%, 0.1 W, 0603	0603
18	R5	1	174	CRCW1206174RFKEA	Vishay-Dale	RES, 174, 1%, 0.25 W, 1206	1206
19	R6	1	750k	CRCW0402750KFKED	Vishay-Dale	RES, 750 k, 1%, 0.063 W, 0402	0402
20	R7	1	487k	CRCW0402487KFKED	Vishay-Dale	RES, 487 k, 1%, 0.063 W, 0402	0402
21	R8	1	35.7k	CRCW060335K7FKEA	Vishay-Dale	RES, 35.7 k, 1%, 0.1 W, 0603	0603
22	R9, R10, R11	3	4.99Meg	CRCW12064M99FKEA	Vishay-Dale	RES, 4.99 M, 1%, 0.25 W, 1206	1206
23	R12	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
24	R13	1	140k	CRCW0402140KFKED	Vishay-Dale	RES, 140 k, 1%, 0.063 W, 0402	0402
25	TP3	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
26	U1	1		UCC25630-1DDBR	Texas Instruments	Enhanced LLC Resonant Controller with Driver, DDB0014A (SOIC-14)	DDB0014A
27	C13	0	120uF	35ZLQ120MEFC6.3X11	Rubycon	CAP, AL, 120 uF, 35 V, +/- 20%, TH	D6.3xL11mm
28	Q1, Q2	0	60V	2N7002KW	Fairchild Semiconductor	MOSFET, N-CH, 60 V, 0.31 A, SOT-323	SOT-323
29	R14, R15	0	487k	CRCW0402487KFKED	Vishay-Dale	RES, 487 k, 1%, 0.063 W, 0402	0402
30	R16, R17	0	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402