

PMP4482 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C15, C19	3	270uF	EEHZC1V271P	Panasonic	CAP, AL, 270 µF, 35 V, +/- 20%, 20 ohm, SMD	10x10
2	C2, C10, C14, C22, C23, C28, C42, C43, C44, C53	10	1uF	GRM155R61E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0402	0402
3	C3, C4, C12, C13	4	10uF	GRM31CR61E106KA12L	MuRata	CAP, CERM, 10 µF, 25 V, +/- 10%, X5R, 1206	1206
4	C5	1	0.015uF	GRM155R71E153KA61D	MuRata	CAP, CERM, 0.015 µF, 25 V, +/- 10%, X7R, 0402	0402
5	C6, C7, C11, C35, C36, C37	6	47uF	GRM219R60G476ME44D	MuRata	CAP, CERM, 47 µF, 4 V, +/- 20%, X5R, 0805	0805
6	C8, C9	2	2.2uF	GRM155R60J225KE95D	MuRata	CAP, CERM, 2.2 µF, 6.3 V, +/- 10%, X5R, 0402	0402
7	C16	1	1500pF	GRM155R71H152KA01D	MuRata	CAP, CERM, 1500 pF, 50 V, +/- 10%, X7R, 0402	0402
8	C17	1	100pF	GRM1555C1H101FA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 1%, COG/NP0, 0402	0402
9	C20, C21, C38, C40	4	330uF	EEFSX0D331ER	Panasonic	CAP, Aluminum Polymer, 330 µF, 2 V, +/- 20%, 9 ohm, 7.3x1.8x4.3mm SMD	7.3x1.8x4.3mm
10	C24, C25, C30, C31, C56, C57	6	0.1uF	GRM155R71E104KE14D	MuRata	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0402	0402
11	C26, C32, C65	3	3300pF	GRM155R71H332KA01D	MuRata	CAP, CERM, 3300 pF, 50 V, +/- 10%, X7R, 0402	0402
12	C27, C29, C54, C55	4	470pF	GRM155R71H471KA01D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0402	0402
13	C39, C58	2	1000pF	GCM155R71H102KA37D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
14	D1, D2	2	30V	BAT54WS-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
15	J12	1		PEC05DAAN	Sullins Connector Solutions	Header, 100mil, 5x2, Tin, TH	Header, 5x2, 100mil, Tin
16	L2, L3	2	150nH	PA2607.151NLT	Pulse Engineering	Inductor, Ferrite, 150 nH, 41 A, 0.00029 ohm, SMD	10.31x7.65mm
17	Q1, Q3	2		CSD95372BQ5M	Texas Instruments	Synchronous Buck NexFET Power Stage, DQP0012A (LSON-CLIP-12)	DQP0012A
18	R1, R14, R15, R19, R30, R31, R41, R43, R46	9	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
19	R2, R21	2	1.0Meg	CRCW04021M00JNED	Vishay-Dale	RES, 1.0 M, 5%, 0.063 W, 0402	0402
20	R3, R4	2	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, 0402	0402
21	R8	1	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.063 W, 0402	0402
22	R9	1	2.00k	CRCW04022K00FKED	Vishay-Dale	RES, 2.00 k, 1%, 0.063 W, 0402	0402
23	R12	1	280	CRCW0402280RFKED	Vishay-Dale	RES, 280, 1%, 0.063 W, 0402	0402
24	R13	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
25	R16	1	820	CRCW0402820RJNED	Vishay-Dale	RES, 820, 5%, 0.063 W, 0402	0402
26	R17, R35, R44	3	1.00	CRCW04021R00FKED	Vishay-Dale	RES, 1.00, 1%, 0.063 W, 0402	0402
27	R18, R47	2	121k	CRCW0402121KFKED	Vishay-Dale	RES, 121 k, 1%, 0.063 W, 0402	0402
28	R20, R27	2	10.0	CRCW040210R0FKED	Vishay-Dale	RES, 10.0, 1%, 0.063 W, 0402	0402
29	R24	1	40.2k	CRCW040240K2FKED	Vishay-Dale	RES, 40.2 k, 1%, 0.063 W, 0402	0402
30	R25, R26, R55, R56	4	1.0	CRCW06031R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.1 W, 0603	0603
31	R29, R32	2	5.1k	CRCW04025K10JNED	Vishay-Dale	RES, 5.1 k, 5%, 0.063 W, 0402	0402
32	R33	1	18.0k	CRCW040218K0FKED	Vishay-Dale	RES, 18.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
33	R40	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
34	R48, R49	2	16.2k	CRCW040216K2FKED	Vishay-Dale	RES, 16.2 k, 1%, 0.063 W, 0402	0402
35	R60, R61, R62	3	2.21k	CRCW04022K21FKED	Vishay-Dale	RES, 2.21 k, 1%, 0.063 W, 0402	0402
36	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21	21	Double	1593-2	Keystone	Terminal, Turret, TH, Double	Keystone1593-2
37	U1, U4	2		TPS70950DRVR	Texas Instruments	150-mA, 30-V, 1-uA IQ Voltage Regulators with Enable, DRV0006A	DRV0006A
38	U2	1		TLV2711CDBVR	Texas Instruments	Single LinCMOS(TM) Rail-to-Rail uPower Operational Amplifier, 2.7 to 10 V, 0 to 70 degC, 5-pin SOT23 (DBV0005A), Green (RoHS & no Sb/Br)	DBV0005A
39	U3	1		TPS40428RHAR	Texas Instruments	Dual output, 2 phase, stackable PMBUS synchronous buck driverless controller, RHA0040B	RHA0040B
40	U5	1		TS5A3159DBVR	Texas Instruments	1-Ω SPDT Analog Switch, DBV0006A	DBV0006A

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