TEXAS INSTRUMENTS

PMP8861 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP8861	Any	Printed Circuit Board	
C1	1	1000pF	STD	STD	CAP, CERM, 1000pF, 3kV, 1808	1808
C2, C3, C4, C5, C6, C7	6	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210
C8	1	0.047uF	STD	STD	CAP, CERM, 250V, +/-10%, X7R, 1206	1206
C9	1	470uF	EEE-FK1A471P	Panasonic	CAP, AL, 470uF, 10V, +/-20%, 0.16 ohm, SMD	SMT Radial F
C10, C11	2	47uF	STD	STD	CAP, CERM, 16V, +/-10%, X7R, 1210	1210
C12, C13, C17	3	0.1uF	STD	STD	CAP, CERM, 25V, +/-10%, X7R, 0402	0402
C15	1	100uF	EEHZA1E101XP	Panasonic	CAP, AL, 100uF, 25V, +/-20%, 30 ohm, SMD	6.3x7.7
C16	1	1000pF	STD	STD	CAP, CERM, 25V, +/-10%, X7R, 0402	0402
C18	1	0.047uF	STD	STD	CAP, CERM, 25V, +/-10%, X7R, 0402	0402
C19	1	47pF	STD	STD	CAP, CERM, 50V, +/-10%, X7R, 0402	0402
C20	1	1uF	STD	STD	CAP, CERM, 16V, +/-10%, X5R, 0402	0402
C21	1	3300pF	STD	STD	CAP, CERM, 50V, +/-10%, X7R, 0402	0402
C22	1	4.7uF	STD	STD	CAP, CERM, 16V, +/-10%, X7R, 1206	1206
C23	1	100pF	STD	STD	CAP, CERM, 50V, +/-10%, X7R, 0402	0402
C100	1	1000pF	STD	STD	CAP, CERM, 200V, +/-10%, NP0, 1206	1206
D1, D7	2	0V	BAW56-V-GS08	Vishay-Semiconductor	Diode, Switching, 70V, 0.25A, SOT-23	SOT-23
D2, D6, D10	3	1.25V	BAV21W-7-F	Diodes Inc.	Diode, Switching, 200V, 0.2A, SOD-123	SOD-123
D3, D4, D5, D8, D9	5	1.4V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100V, 0.25A, SOD-323	SOD-323
L1	1	8.3uH	PA2729.802NL	Pulse Engineering	Inductor, Shielded Drum Core, Ferrite, 8.3 µH, 13.3 A, 0.0051 ohm, SMD	Inductor, 22.2x12.2x19mm
L2	1	1mH	LPS4414-105MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 1mH, 0.11A, 16.3 ohm, SMD	LPS4414
Q1	1	25V	CSD18533Q5A	Texas Instruments	MOSFET N-CH 60V 17A 8SON	SON 5x6mm
Q2, Q8, Q12	3	0.2V	MMBT3904	Fairchild Semiconductor	Transistor, NPN, 40V, 0.2A, SOT-23	SOT-23
Q4, Q11, Q13	3	0.25V	MMBT3906	Fairchild Semiconductor	Transistor, PNP, 40V, 0.2A, SOT-23	SOT-23
Q5, Q9	2	150V	FDMS86200	Fairchild Semiconductor	MOSFET, N-CH, 150V, 35A, PQFN08A	PQFN08A
Q6	1	-30V	IRF6216TRPBF	International Rectifier	MOSFET P-CH 150V 2.2A 8-SOIC	SOIC-8
Q7, Q10	2	25V	FDMS86201	Fairchild	MOSFET N-CH 120V POWER56	SON 5x6mm
R1	1	2.49k	STD	STD	RES, 1%, 0.125W, 0805	0805
R2, R4, R9, R18, R21	5	10k	STD	STD	RES, 1%, 0.063W, 0402	0402
R3	1	4.99k	STD	STD	RES, 1%, 0.125W, 0805	0805
R5	1	1.5	STD	STD	RES, 1%, 0.125W, 0805	0805
R6	1	182k	STD	STD	RES, 1%, 0.063W, 0402	0402
R7	1	38.3k	STD	STD	RES, 1%, 0.063W, 0402	0402
R8	1	69.8k	STD	STD	RES, 1%, 0.063W, 0402	0402
R10, R11	2	3.01k	STD	STD	RES, 1%, 0.063W, 0402	0402
R12	1	100k	STD	STD	RES, 1%, 0.063W, 0402	0402
R13	1	78.7k	STD	STD	RES, 1%, 0.063W, 0402	0402
R14	1	49.9	STD	STD	RES, 1%, 0.063W, 0402	0402
R15	1	1k	STD	STD	RES, 1%, 0.1W, 0603	0603
R16, R19, R24, R25	4	1k	STD	STD	RES, 1%, 0.063W, 0402	0402
R17	1	0	STD	STD	RES, 1%, 0.063W, 0402	0402
R20	1	7.5k	STD	STD	RES, 1%, 0.063W, 0402	0402

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R22	1	2.61k	STD	STD	RES, 1%, 0.063W, 0402	0402
R23	1	3.01k	STD	STD	RES, 1%, 0.1W, 0603	0603
R26, R100, R101	3	33	CRCW251233R0JNEG	Vishay-Dale	RES, 33, 5%, 1 W, AEC-Q200 Grade 0, 2512	2512
T1	1	153uH	PA0801.004NL	Pulse Engineering	Transformer, 153 uH, SMT	PA08XX
T2	1	2000uH	CST2-100L	Coilcraft	Transformer, 2000uH, SMT	8X8.13MM-6P
TP1, TP2, TP5	3		8600-0-05-80-00-00-03-0	Mill-Max	PCB Pin, solderless Pressfit, Tin over Nickel	PCB Pin
TP3, TP4	2		8952-0-05-80-00-00-03-0	Mill-Max	PCB Pin, solderless Pressfit, Tin over Nickel	PCB Pin
U1	1		UCC2897ARGPR	Texas Instruments	Advanced Active Clamp PWM Controller with Current Control, -40 to +125 degC, 20-pin QFN (RGP), Green (RoHS & no Sb/Br)	RGP0020D
U2	1		VOL618A-2T	Vishay-Semiconductor	OPTOCOUPLR PHOTOTRANS 125% 4LSOP	8x2x4mm
U3	1		TL431AIDBZ	Texas Instruments	PRECISION PROGRAMMABLE REFERENCE, DBZ0003A	DBZ0003A

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