

Bill of Materials

PMP4395

Source Data From: PMP4395.PrjPCB
 Project: PMP4395.PrjPCB
 Variant: None

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Footprint	Comment	Designator	Description	Quantity
POSCAP B2E Size	6TPE150MAPB	C1, C6, C7, C8	CAP, AL, 150uF, 6.3V, +/-20%, 0.025 ohm, SMD, Sanyo	4
0603L	GRM1885C1H102JA01D	C2, C17	CAP, CERM, 1000pF, 50V, +/-5%, COG/NP0, 0603	2
1206L	GRM31CR71H475KA12L	C3, C4, C5	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	3
1210L	GRM32ER61A476KE20L	C9, C12	CAP, CERM, 47uF, 10V, +/-10%, X5R, 1210	2
0805L	GRM21BR71E335KA73L	C10, C11, C21	CAP, CERM, 3.3uF, 25V, +/-10%, X7R, 0805	3
0603L	GRM188R71E474KA12D	C13, C18, C19, C20, C25	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	5
0603L	C0603C101J5GAC	C14, C22	CAP, CERM, 100pF, 50V, +/-5%, COG/NP0, 0603	2
0603L	GRM188R71C104KA01D	C15	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0603	1
2211	GA352QR7GF101KW31L	C16	CAP, CERM, 100pF, X1Y2 +/-10%, X7R 2211, Murata	1
SMB	SMBJ36A-13-F	D1	Diode, TVS, Uni, 36V, 600W, SMB	1
SMA	MURA160T3G	D2	Diode, Ultrafast, 600V, 1A, SMA	1
SOT-23L	BAS16-7-F	D3, D7	Diode, Ultrafast, 75V, 0.3A, SOT-23	2
SOT-23L	BZX84C5V1LT1G	D4	Diode, Zener, 5.1V, 225mW, SOT-23	1
SMA	B340LA-13-F	D5	Diode, Schottky, 40V, 3A, SMA	1
SOT-23L	D-MMBD6100LT1G	D6	Diode, Switching, Dual, 70 V, 200 mA	1
SOT-23L	BZX84C3V6LT1G	D8	Diode, Zener, 3.6V, 225mW, SOT-23	1
TRANS_NexFET_Q	CSD17309Q3	Q1	MOSFET, N-CH, 30V, 60A, SON 3.3x3.3mm	1
PG-TDSON-8	BSC190N15NS3 G	Q2	MOSFET, N-CH, 150V, 50A, PG-TDSON-8	1
SOT-23L	BC857C-7-F	Q3	Transistor, PNP, 45V, 0.1A, SOT-23	1
MF03A_N	P0102BL	Q4	SCRs, 200V, 0.25A, SOT-23	1
0805L	CRCW080510R0FKEA	R1, R4, R11	RES, 10.0 ohm, 1%, 0.125W, 0805	3
1206L	RC1206FR-0747RL	R2	RES, 47.0 ohm, 1%, 0.25W, 1206	1
0603L	RT0603DRE07100KL	R3, R10	RES, 100k ohm, 0.5%, 0.1W, 0603	2
0603L	RC0603JR-0756KL	R5	RES, 56k ohm, 5%, 0.1W, 0603	1
0603L	RC0603FR-07120KL	R6	RES, 120k ohm, 1%, 0.1W, 0603	1
0603L	RC0603FR-07270KL	R7	RES, 270k ohm, 1%, 0.1W, 0603	1
0805L	RC0805FR-072R2L	R8	RES, 2.20 ohm, 1%, 0.125W, 0805	1
0603L	CRCW060310K0FKEA	R9, R17	RES, 10.0k ohm, 1%, 0.1W, 0603	2
0603L	RC0603JR-071KL	R12	RES, 1.0k ohm, 5%, 0.1W, 0603	1
0805L	CRCW080549R9FKEA	R13	RES, 49.9 ohm, 1%, 0.125W, 0805	1
0603L	RC0603FR-071K2L	R14, R16, R21	RES, 1.20k ohm, 1%, 0.1W, 0603	3
0603L	RC0603FR-0727KL	R15	RES, 27.0k ohm, 1%, 0.1W, 0603	1
0603L	RC0603FR-071KL	R18	RES, 1.00k ohm, 1%, 0.1W, 0603	1
0603L	RC0603FR-076K2L	R19, R24	RES, 6.20k ohm, 1%, 0.1W, 0603	2
0805L	CRCW0805300RJNEA	R20	RES, 300 ohm, 5%, 0.125W, 0805	1
0603L	RC0603FR-0715RL	R22	RES, 15.0 ohm, 1%, 0.1W, 0603	1
0603L	RC0603FR-07240KL	R23	RES, 240k ohm, 1%, 0.1W, 0603	1
0603L	RC0603FR-072K2L	R25	RES, 2.20k ohm, 1%, 0.1W, 0603	1
0603L	RC0603FR-0710KL	R26, R28	RES, 10.0k ohm, 1%, 0.1W, 0603	2
0603L	RC0603FR-0730KL	R27	RES, 30.0k ohm, 1%, 0.1W, 0603	1
CSV-RM6S-1S-6P-C	750341824, Würth Elektronik	T1	RM6S Transformer, Flyback, 750341824, Würth Elektron	1
PA1005	PA1005.100NL	T2	Current Sense Transformer, Pulseelectronics	1
SO-8	UCC24610D	U1	Secondary-Side SR Controller	1
MUB10A_N	LM5020MMX-1	U2	100V Current Mode PWM Controller, 10-pin MSOP	1
TLP181	TLP181	U3	Low Input Current, High CTR Photocoupler	1
DBZ0003A_N	TLV431BQDBZT	U4	LOW-VOLTAGE ADJUSTABLE PRECISION SHUNT RE	1

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