

PMP4475					
Designator	Description	Comment	Footprint	Quantity	Manufacture
C1, C2, C3	CAP, AL, 220uF, 6.3V, +/-20%, 0.025 ohm, SMD	Standard	POSCAP B2E Size	3	Standard
C4	CAP, CERM, 47uF, 10V, +/-10%, X5R, 1210	Standard	1210L	1	Standard
C5, C6, C7	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1206	Standard	1210L	3	Standard
C8,C14	CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0603	Standard	0603L	2	Standard
C9	CAP, CERM, 10uF, 25V, +/-10%, X7R, 0805	Standard	0805L	1	Standard
C21	CAP, CERM, 4.7uF, 25V, +/-10%, X7R, 0603	Standard	0603L	1	Standard
C15,	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	Standard	0603L	1	Standard
C10,C11	CAP, CERM, 220pF, 25V, +/-10%, X7R, 0603	Standard	0603L	2	Standard
C12	CAP, CERM, 1000pF, 50V, +/-5%, C0G/NP0, 0603	Standard	2211	1	Standard
C18	CAP, CERM, 0.1uF, 100V, +/-5%, C0G/NP0, 0603	Standard	1206L	1	Standard
C13, C16, C17, C19, C20, C22	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0603	Standard	0603L	6	Standard
D1	Diode, TVS, Uni, 36V, 600W, SMB	SMBJ36A-13-F	SMB	1	Diode
D2	Diode, Ultrafast, 600V, 1A, SMA	MUR160T3G	SMA	1	Diode
D3	Diode, Schottky, 40V, 3A, SMA	B340LA-13-F	SMA	1	Diode
D4	Diode, Ultrafast, 75V, 0.3A, SOT-23	BAS16-7-F	SOT-23L	1	Diode
D10	Zener Diode, 4.3V	BAS16-7-F	SOD123	1	Diode
D5,D6,D7,D8,D9	Diode, Ultrafast, 75V, 0.3A, SOT-23	BAS16-7-F	SOD323	5	Diode
Q1	MOSFET, N-CH, 150V, 50A, PG-TDSON-8	BSC190N15NS3 G	PG-TDSON-8	1	Infineon
R1	RES, 47.0 ohm, 1%, 0.25W, 1206	Standard	1206L	1	Standard
R2, R4,R6	RES, 10.0 ohm, 1%, 0.125W, 0805	Standard	0805L	2	Standard
R3,	RES, 120k ohm, 1%, 0.1W, 0603	Standard	0603L	1	Standard
R5	RES, 30.0k ohm, 1%, 0.1W, 0603	Standard	0603L	1	Standard
R10	RES, 0.5 ohm, 1%, 0.125W, 0805	Standard	1210	1	Standard
R25	RES, 0.68 ohm, 1%, 0.125W, 0805	Standard	1210	1	Standard
R21, R22,R26	RES, 10.0k ohm, 1%, 0.1W, 0603	Standard	0603L	3	Standard
R7	RES, 5.6k ohm, 1%, 0.1W, 0603	Standard	0603L	1	Standard
R8	RES, 100k ohm, 0.5%, 0.1W, 0603	Standard	0603L	1	Standard
R9	RES, 100 ohm, 5%, 0.1W, 0603	Standard	0603L	1	Standard
R11	RES, 27.0k ohm, 1%, 0.1W, 0603	Standard	0603L	1	Standard
R12	RES, 49.9 ohm, 1%, 0.125W, 0805	Standard	0805L	1	Standard
R13	RES, 2.20k ohm, 1%, 0.1W, 0603	Standard	0603L	1	Standard
R14	RES, 470ohm, 1%, 0.1W, 0603	Standard	0603L	1	Standard
R19	RES, 20kohm, 1%, 0.1W, 0603	Standard	0603L	1	Standard
R17,R17,R29	RES, 390kohm, 1%, 0.1W, 0603	Standard	0603L	3	Standard
R15	RES, 1.20k ohm, 1%, 0.1W, 0603	Standard	0603L	2	Standard
R20	RES, 30k ohm, 1%, 0.1W, 0603	Standard	0603L	1	Standard
R27	RES, 33k ohm, 1%, 0.1W, 0603	Standard	0603L	1	Standard
R23,R24,R28	RES, 1Mohm, 1%, 0.1W, 0603	Standard	0603L	3	Standard
T1	Transformer, EP13 Core	750311452	SMD, 10pin, L*W:17.75*13.46mm	1	Würth Elektronik
U1	100V Current Mode PWM Controller, 10-pin MSOP	LM5020MMX-1	MB10A_N	1	Texas Instruments
U5	Low Power Low Offset Voltage Voltage Dual Comparators	LM2903	LM2903	1	Texas Instruments
U2	Low Input Current, High CTR Photocoupler	TLP181	TLP181	1	TOSHIBA
U4	LOW-VOLTAGE ADJUSTABLE PRECISION SHUNT REGULATOR	TL431BQDBZT	DB20003A_N	1	Texas Instruments

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