		·	PMP4438		·
Quantity	Designator	Comment	Description	Footprint	Manfacture
	3 C1, C2, C3	6TPE100MPB	CAP, AL, 150uF, 6.3V, +/-20%, 0.025 ohm, SMD	POSCAP B2E Size	Panasonic
	1 C4	Standard	CAP, CERM, 47uF, 10V, +/-10%, X5R, 1210	1210L	Standard
	3 C5, C6, C7	Standard	CAP, CERM, 4.7uF, 100V, +/-10%, X7R, 1206	1206L	Standard
	3 C8, C12, C14	Standard	CAP, CERM, 470pF, 50V, +/-5%, COG/NPO, 0603	0603L	Standard
	1 C9	Standard	CAP, CERM, 10uF, 25V, +/-10%, X7R, 0805	0805L	Standard
	2 C10, C15	Standard	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	0603L	Standard
	1 C12	Standard	CAP, CERM, 1000pF, 1000V, +/-10%, 1210	1210L	Standard
	1 C11	Standard	CAP, CERM, 1000pF, 25V, +/-10%, X7R, 0603	0603L	Standard
	6 C13, C17, C16, , C	C18, Standard	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0603	0603L	Standard
	1 D1	SMBJ36A-13-F	Diode, TVS, Uni, 36V, 600W, SMB	SMB	Diode
	1 D2	MURA160T3G	Diode, Ultrafast, 600V, 1A, SMA	SMA	Diode
	1 D3	PDS1040	Diode, Schottky, 40V, 10A	PowerDI5	Diode
	1 D4	BAS16-7-F	Diode, Ultrafast, 75V, 0.3A, SOT-23	SOT-23L	Diode
	1 Q1	FDS86240	MOSFET, N-CH, 150V, 7.5A, SO-8	S0-8	Fairchild Semiconductor
	1 Q2	2N7002	N-Channel Enhancement Mode Field Effect Transistor, 60V, 115mA	SOT-23L	Diode
	1 Q3	BSS84	P-Channel Enhancement Mode Field Effect Transistor, 50V, 130mA	SOT-23L	Fairchild Semiconductor
	1 R1	Standard	RES, 47.0 ohm, 1%, 0.25W, 1206	1206L	Standard
	2 R2, R4	Standard	RES, 10.0 ohm, 1%, 0.125W, 0805	0805L	Standard
	6 R3, R21,	Standard	RES, 120k ohm, 1%, 0.1W, 0603	0603L	Standard
	1 R5	Standard	RES, 30.0k ohm, 1%, 0.1W, 0603	0603L	Standard
	2 R6, R10	Standard	RES, 2.20 ohm, 1%, 0.125W, 0805	0805L	Standard
	2 R7, R18, R24, R17	7, R2Standard	RES, 10.0k ohm, 1%, 0.1W, 0603	0603L	Standard
	1 R8	Standard	RES, 100k ohm, 0.5%, 0.1W, 0603	0603L	Standard
	1 R9	Standard	RES, 1.0k ohm, 5%, 0.1W, 0603	0603L	Standard
	1 R11	Standard	RES, 27.0k ohm, 1%, 0.1W, 0603	0603L	Standard
	1 R12	Standard	RES, 49.9 ohm, 1%, 0.125W, 0805	0805L	Standard
	1 R13	Standard	RES, 2.20k ohm, 1%, 0.1W, 0603	0603L	Standard
	2 R14, R15	Standard	RES, 1.20k ohm, 1%, 0.1W, 0603	0603L	Standard
	1 R20	Standard	RES, 1.00k ohm, 1%, 0.1W, 0603	0603L	Standard
	1 R23	Standard	RES, 1Mohm, 1%, 0.1W, 0603	0603L	Standard
	1 R16, R19,	Standard	RES, 360k ohm, 1%, 0.1W, 0603	0603L	Standard
	1 R23	Standard	RES, 240k ohm, 1%, 0.1W, 0603	0603L	Standard
	1 T1	750311452	Transformer, EP13 Core	SMD, 10pin, L*W:17.	Wurth Elektroink
	1 U1	LM5020MMX-1	100V Current Mode PWM Controller, 10-pin MSOP	VSSOP-10	Texas Instruments
	1 U2	TLP181	Low Input Current, Hight CTR Photocoupler	TLP181	TOSHIBA
	2 U3, U4	TLV431BQDBZT	LOW-VOLTAGE ADJUSTABLE PRECISION SHUNT REGULATOR	DBZ0003A N	Texas Instruments

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