

PMP41114XFMR REV E1 Bill of Materials



Designator	Quantity	Value	PartNumber	Manufacturer	Alternative PartNumber	Manufacturer	Description	PackageReference
IPCB	1		PMP41114XFMR	Any	PMP41114XFMR	Any	Printed Circuit Board	
C1, C9, C32, C63, C74, C98	6	1uF	CGJ3E1X7R1E105K080AC	TDK	885012206076	TDK	CAP, CERM, 1 µF, 25 V,+/- 10%, X7R, 0603	0603
C2, C38, C39, C64	4	0.1uF	C1005X7R1H104K050BB	TDK	885012205092	Wurth Elektronik	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	0402
C3, C4, C5, C6, C7, C8, C29, C30, C31, C36, C37, C65, C66, C67, C68, C69, C70, C71, C72, C73, C94, C95	22	0.022uF	C1206C223KDRACU	Kemet	C1206C223KDRACU	Kemet	CAP, CERM, 0.022 µF, 1000 V,+/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C10, C11, C75, C76	4	100pF	885012205055	Wurth Elektronik	885012205055	Wurth Elektronik	CAP, CERM, 100 pF, 50 V, +/- 10%, X7R, 0402	0402
C12, C13, C14, C15, C16, C17, C18, C19, C20, C33, C34, C35, C46, C47, C48, C49, C50, C51, C52, C53, C54, C77, C78, C79, C80, C81, C82, C83, C84, C85	30	4.7uF	GRM31CZ72A475KE11L	Samsung	GRM31CZ72A475KE11L	Samsung	CAP, CERM, 4.7 uF, 100 V, +/- 10%, X7R, 1206	1206
C21, C22, C55, C56, C86, C87	6	0.1uF	GRM155R71H104ME14D	MuRata	885012205092	Wurth Elektronik	CAP, CERM, 0.1 uF, 50 V, +/- 20%, X7R, 0402	0402
C23, C24, C26, C27, C57, C58, C59, C60, C88, C89, C90, C91	12	100pF	CC0402KRX7R9BB101	Yageo America	885012205055	Wurth Elektronik	CAP, CERM, 100 pF, 50 V, +/- 10%, X7R, 0402	0402
C25, C28, C61, C62, C92, C93	6	0.1uF	C1005X7R1H104K050BE	TDK	885012205092	Wurth Elektronik	CAP, CERM, 0.1 uF, 50 V,+/- 10%, X7R, 0402	0402
D1, D3	2	650V	GB01SLT06-214	GeneSiC Semicond	GB01SLT06-214	GeneSiC Semiconductor	Diode, Schottky, 650 V, 1 A, SMB	SMB
R1, R17	2	2.2	RC0805JR-072R2L	Yageo America	RC0805JR-072R2L	Yageo America	RES, 2.2, 5%, 0.125 W, 0805	0805
R2, R4, R18, R20	4	30.1k	CRCW040230K1FKED	Vishay-Dale	CRCW040230K1FKED	Vishay-Dale	RES, 30.1 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R3, R19	2	10k	CRCW040210K0JNED	Vishay-Dale	CRCW040210K0JNED	Vishay-Dale	RES, 10 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R5, R6, R7, R8, R13, R14, R15, R16, R21, R22, R23, R24	12	51	RC0402JR-0751RL	Yageo America	RC0402JR-0751RL	Yageo America	RES, 51, 5%, 0.0625 W, 0402	0402
R10, R11, R12, R25	4	0	RC0402JR-070RL	Yageo America	885012206076	Yageo America	RES, 0, 5%, 0.063 W, 0402	0402
U1	1		LMG3650	Texas Instruments	LMG3650	Texas Instruments	650V 25mQ GaN FET With Integrated Driver and Protection	TO-9
U2, U16	2		UCC21225ANPL	Texas Instruments	UCC21225ANPL	Texas Instruments	4A/6A Isolated Dual-Channel Gate Driver, NPL0013A (VLGA-13)	NPL0013A
U3	1		LMG3650	Texas Instruments	LMG3650	Texas Instruments	650V 25mQ GaN FET With Integrated Driver and Protection	TO-9
U4, U5, U6, U7, U11, U12, U13, U14, U18, U19, U20, U21	12		LMG3100R017	Texas Instruments	LMG3100R017	Texas Instruments	100-V, 64-A GaN with Integrated Driver	VQFN-FCRLF15
U15	1		LMG3650	Texas Instruments	LMG3650	Texas Instruments	650V 25mQ GaN FET With Integrated Driver and Protection	TO-9
U17	1		LMG3650	Texas Instruments	LMG3650	Texas Instruments	650V 25mQ GaN FET With Integrated Driver and Protection	TOLL9
FID1, FID2, FID3	0		N/A	N/A	N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A