

Project	PMP21440						
Fitted	Description	Designator	PartNumber	Quantity	Manufacturer	PackageReference	Value
Fitted	CAP, CERM, 0.1 µF, 50 V, +/- 20%, X7R, AEC-Q200 Grade 1, 0402	C1	CGA2B3X7R1H104M050BB	1	TDK	0402	0.1uF
Fitted	CAP, CERM, 22 µF, 25 V, +/- 20%, X5R, 0805	C2, C3, C4, C16, C17, C18	GRM21BR61E226ME44L	6	MuRata	0805	22uF
Fitted	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0402	C5, C15, C24	C1005X5R1E105K050BC	3	TDK	0402	1uF
Fitted	CAP, CERM, 4.7 µF, 25 V, +/- 10%, X6S, 0603	C6, C7	GRM188C81E475KE11D	2	MuRata	0603	4.7uF
Fitted	CAP, CERM, 1000 pF, 50 V, +/- 10%, COG/NP0, 0603	C8, C22	06035A102KAT2A	2	AVX	0603	1000pF
Fitted	CAP, TA, 470 µF, 6.3 V, +/- 10%, 0.03 ohm, SMD	C9, C13, C19, C25	T495X477K006ATE030	4	Kemet	7343-43	470uF
Fitted	CAP, CERM, 100 µF, 6.3 V, +/- 20%, X5R, 1210	C10, C14, C20, C26	GRM32ER60J107ME20L	4	MuRata	1210	100uF
Fitted	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0402	C11, C21	0402YC104KAT2A	2	AVX	0402	0.1uF
Fitted	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X5R, 0603	C12	06033D104KAT2A	1	AVX	0603	0.1uF
Fitted	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	C23	06033C104KAT2A	1	AVX	0603	0.1uF
Fitted	Diode, Schottky, 100 V, 0.25 A, SOD-323F	D1	BAT46WJ,115	1	Nexperia	SOD-323F	100V
Fitted	Receptacle, 2.54mm, 10x1, Gold, TH	J1, J3	61301011821	2	Würth Elektronik	Receptacle, 2.54mm, 10x1, TH	
Fitted	Terminal Block, 5.08 mm, 2x1, Brass, TH	J2, J4	ED120/2DS	2	On-Shore Technology	2x1 5.08 mm Terminal Block	
Fitted	Inductor, Shielded, Ferrite, 470 nH, 17.5 A, 0.0042 ohm, SMD	L1, L2	IHLP2525CZEBR47M01	2	Vishay-Dale	6.47x3x6.86	470nH
Fitted	Synchronous Buck NexFET Power Block II, MPC0005A (PTAB-5)	Q1	CSD87381P	1	Texas Instruments	MPC0005A	
Fitted	RES, 49.9, 1%, 0.063 W, 0402	R1, R11, R12, R17	CRCW040249R9FKED	4	Vishay-Dale	0402	49.9
Fitted	RES, 0, 5%, 0.063 W, 0402	R2, R4, R13, R14	CRCW04020000Z0ED	4	Vishay-Dale	0402	0
Fitted	RES, 10.0, 1%, 0.063 W, 0402	R3, R5	CRCW040210R0FKED	2	Vishay-Dale	0402	10.0
Fitted	RES, 1.40 k, 1%, 0.1 W, 0603	R6, R15	CRCW06031K40FKEA	2	Vishay-Dale	0603	1.40k
Fitted	RES, 3.0 ohm, 5%, 0.125W, 0805	R7, R16	RC0805JR-073RL	2	Yageo America	0805	3.0
Fitted	RES, 20.0 k, 1%, 0.063 W, 0402	R9, R10	CRCW040220K0FKED	2	Vishay-Dale	0402	20.0k
Fitted	Test Point, Miniature, Red, TH	TP1, TP2, TP5, TP6, TP7, TP10	5000	6	Keystone	Red Miniature Testpoint	
Fitted	Test Point, Miniature, Black, TH	TP3, TP4, TP8, TP9	5001	4	Keystone	Black Miniature Testpoint	
Fitted	Advanced eGaN FET 300V Half-bridge Drive, RVR0019A (WQFN-19)	U1	LMG1210RVR	1	Texas Instruments	RVR0019A	
Fitted	MOSFET, 2-CH, N-CH, 30 V, 16 A, Body3.5x1.5mm	U2	EPC2111	1	EPC	Body3.5x1.5mm	30V
Not Fitted	RES, 0, 5%, 0.063 W, 0402	R8	CRCW04020000Z0ED	0	Vishay-Dale	0402	0

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