

Fitted	Description	Designator	PartNumber	Quantity	Manufacturer	Package/Reference	Value
Fitted	Printed Circuit Board	PCB1	PMP23475_GaN Card	1	Any		
Fitted	CAP. CERM, 0.1 uF, 50V, +/- 10%, X7R, 0402	C1, C36, C37	C1005X7R1H104K050BB	3	TDK	0402	0.1uF
Fitted	CAP. CERM, 4.7 uF, 16V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	C2	GOM21BR71C475K A73L	1	MuRata	0805	4.7uF
Fitted	CAP. CERM, 100 pF, 50V, +/- 1%, COG/NP0, 0402	C3, C4, C13, C14, C16, C17	0402SA101FAT2A	6	AVX	0402	100pF
Fitted	CAP. CERM, 1 uF, 25V, +/- 10%, XSR, 0402	C5, C6, C7, C8, C39	C1005XSR1E105K050BC	5	TDK	0402	1uF
Fitted	CAP. CERM, 4.7 uF, 35V, +/- 10%, XSR, 0603	C9, C10, C21	C1608XSR1V475K080AC	3	TDK	0603	4.7uF
Fitted	CAP. CERM, 10 uF, 25V, +/- 20%, X7R, 1206, 190	C11, C12	C3216X7R1E106M160AE	2	TDK	1206_190	10uF
Fitted	CAP. CERM, 0.22 uF, 16V, +/- 10%, X7R, 0402	C15, C19	CL05B224K05ANN NC	2	Samsung Electro-Mechanics	0402	0.22uF
Fitted	CAP. CERM, 2.2 uF, 25V, +/- 10%, XSR, AEC-Q200 Grade 3, 0402	C18, C20	GRT15SR61E225KE13D	2	MuRata	0402	2.2uF
Fitted	CAP. CERM, 0.022 uF, 1000V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	C22, C23	C1206C223KDRAC TU	2	Kemet	1206	0.022uF
Fitted	CAP. CERM, 0.1 uF, 1000V, +/- 10%, X7R, 1812	C24, C25	C1812W104KDRAC TU	2	Kemet	1812	0.1uF
Fitted	CAP. CERM, 43 pF, 50V, +/- 5%, COG/NP0, AEC-Q200 Grade 1, 0402	C33, C34	GCO1555C1H430J801D	2	MuRata	0402	43pF
Fitted	CAP. CERM, 0.01 uF, 16V, +/- 10%, X7R, 0402	C38	C0402C103K4RAC TU	1	Kemet	0402	0.01uF
Fitted	Diode, Schottky, 20V, 0.5A, SOD-123	D2, D3	MBR0520LT1G	2	ON Semiconductor	SOD-123	20V
Fitted	Connector Header Through Hole, Right Angle 12 position 0.050" (1.27mm)	J1	M60-3900642	1	Harwin	HDR12	
Fitted	4.7uH Unshielded Inductor 3.1A 426mOhm Max 0806 (2016 Metric)	L1, L2	SDEM20161T-4R7MS	2	Cyntec	SMD2	
Fitted	Coupled Inductor, 0.2A, 0.45 ohm, SMD	L3	ACM2520-601-3P-T002	1	TDK	2.5x2mm	
Fitted	PCB Pin, 0.04" DIA, Edge-Mount	Paux_RTN, SW, Vbulk1	3621-0-32-15-00-00-08-0	6	Mil-Max	PCB Pin, 0.04" DIA, R/A, Edge-Mount	
Fitted	RES, 49.9, 1%, 0.063 W, 0402	R1, R2, R5, R6	RC0402FR-07499RL	4	Vagyo America	0402	49.9
Fitted	RES, 0.5%, 0.1 W, AEC-Q200 Grade 0, 0402	R4, R10, R15	ERJ-2GE0R00X	3	Panasonic	0402	0
Fitted	RES, 0.5%, 0.25 W, AEC-Q200 Grade 0, 1206	R8	ERJ-8GEYR00V	1	Panasonic	1206	0
Fitted	RES, 300, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	R11, R12, R21, R22	CRCW0402300R0N ED	4	Vishay-Dale	0402	300
Fitted	RES, 20.0, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	R13, R23	CRCW040220R0FK ED	2	Vishay-Dale	0402	20.0
Fitted	RES, 0.5%, 0.125 W, 0805	R25	RC0805JR-0708L	1	Vagyo America	0805	0
Fitted	Transformer, 475uH, SMT	T1	760390014	1	Würth Elektronik	10.05x4.19x6.73 mm	475uH
Fitted	Low-Noise 1A, 420 kHz Transformer Driver, DBV0006A (SOT-23-6)	U1	SN65058DBVR	1	Texas Instruments	DBV0006A	
Fitted	650-V 30-mO GaN FET with Integrated Driver and Protection	U2, U3	ISO7741FDBQR	2	Texas Instruments	SSOP-16	
Fitted	Single 2-Input Positive-AND Gate, DR0005A, LARGE TAP, 150mA, High PSRR, Low Quiescent Current, Low Noise LDO, DCX0005A (SOT-SC70-5)	U4, U5	UMC3527R030	2	Texas Instruments	VOFN52	
Fitted	650-V 30-mO GaN FET with Integrated Driver and Protection	U6	SN74AHC1G08DRLR	1	Texas Instruments	DRL0005A	
Fitted	650-V 30-mO GaN FET with Integrated Driver and Protection	U7	TPS71733DCKT	1	Texas Instruments	DCX0005A	
Not Fitted	CAP. CERM, 43 pF, 50V, +/- 5%, COG/NP0, AEC-Q200 Grade 1, 0402	C32, C35	GCO1555C1H430J801D	0	MuRata	0402	43pF
Not Fitted	Diode, Schottky, 650V, 1A, SMB	D1	GR01SLT06-214	0	Genesic Semiconductor	SMB	650V
Not Fitted	RES, 20.0k, 1%, 0.063 W, 0402	R7, R9	CRCW040220K0FK ED	0	Vishay-Dale	0402	20.0k