

PMP23340_UCD REV E3 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB1U	1		PMP23340_UCD	Any	Printed Circuit Board	
2	C11U, C3U, C4U, C5U, C8U, C10U	6	2.2uF	GRM033R60J225ME47D	MuRata	CAP, CERM, 2.2 uF, 6.3 V, +/- 20%, XSR, 0201	0201
3	C2U, C6U, C7U, C9U, C17U	5	0.1uF	ATC5302104K110T	AT Ceramics	CAP, CERM, 0.1 uF, 10 V, +/- 10%, XSR, 0201	0201
4	C11U, C12U	2	10pF	GM0335CE100JB01D	MuRata	CAP, CERM, 10 pF, 25 V, +/- 5%, COG/NPO, 0201	0201
5	C13U, C43U, C82U, C88U, C135U	5	10pF	GRM0335C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V, +/- 5%, COG/NPO, 0201	0201
6	C14U, C15U	2	2200pF	GRM033R71C222KA88D	MuRata	CAP, CERM, 2200 pF, 16 V, +/- 10%, X7R, 0201	0201
7	C16U, C23U	2	220pF	CGA1A2X7R1H221K308A	TDK	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0201	0201
8	C18U, C19U, C20U, C21U, C22U	5	1000pF	GRM033R71C102KA01D	MuRata	CAP, CERM, 1000 pF, 16 V, +/- 10%, X7R, 0201	0201
9	C24U, C25U, C38U, C74U, C85U, C128U	6	1uF	GRM033R61A105ME15D	MuRata	CAP, CERM, 1 uF, 10 V, +/- 20%, XSR, 0201	0201
10	C26U, C27U, C28U, C29U, C30U, C31U, C32U, C33U, C34U, C35U, C36U, C37U	12	4.7uF	C20126R2A475K125AC	TDK	4.7 uF ±10% 100V Ceramic Capacitor XSR 0805 (2012 Metric)	0805
11	C39U, C40U, C41U, C42U, C131U, C132U, C133U, C134U	8	22uF	GR121BR81E225ME13L	MuRata	CAP, CERM, 22 uF, 25 V, +/- 20%, XSR, AEC-Q200 Grade 3, 0805	0805
12	C44U, C47U, C94U, C98U	4	0.1uF	16R07X104KV4T	Johanson Technology	CAP, CERM, 0.1 uF, 16 V, +/- 10%, XSR, 0402	0402
13	C50U, C51U, C52U, C53U, C54U, C55U, C56U, C57U, C58U, C59U, C60U, C61U, C62U, C63U, C64U, C65U, C66U, C67U, C68U, C69U, C70U, C71U, C72U, C73U, C99U, C100U, C101U, C102U, C103U, C104U, C105U, C106U, C107U, C108U, C109U, C110U, C114U, C115U, C116U, C117U, C118U, C119U, C120U, C121U, C123U, C124U, C124U, C125U	48	2.2uF	GRM155C81C225ME15D	Murata	Chip Multilayer Ceramic Capacitors for General Purpose, 0402, 2.2uF, XSR, 22%, 20%, 16V	0402
14	C75U, C76U, C77U, C78U, C79U, C80U	6	0.1uF	GRM155R62A104KE14D	MuRata	CAP, CERM, 0.1 uF, 100 V, +/- 10%, XSR, 0402	0402
15	C81U, C82U, C84U, C86U, C87U, C89U, C90U, C91U, C112U, C113U, C126U, C127U, C129U, C130U	16	220nF	C1206C224K3JAC7800	KEMET	0.22 uF ±10% 25V Ceramic Capacitor U2J 1206 (3216 Metric)	1206
16	Gnd1U, Gnd2U, Gnd3U, Gnd4U, Gnd5U, Gnd6U, Vm1U, Vout1U, Vout2U, Vout3U, Vout4U, Vout5U, Vout6U	13		3621-0-32-15-00-00-08-0	Mill-Max	PCB Pin, 0.04" DIA, Edge-Mount	PCB Pin, 0.04" DIA, R/A, Edge-Mount
17	J1U	1		ASP-231707-01	Samtec	Like part: FTSH-104-04-L-D-RA	HDR8
18	L1U, L2U, L3U, L4U	4		BLM3A2412SN1D	MuRata	Inductor, Ferrite Bead, Ferrite, 0.35 A, 0.38 ohm, SMD	0201
19	Q1U, Q2U, Q3U, Q4U, Q5U, Q6U, Q7U, Q8U	8				40V 1.1mE 90A	
20	R1U	1	1	RC0201FR-071RL	Yageo America	RES, 1.00, 1%, 0.05 W, 0201	0201
21	R2U	1	2.2k	RC0201JR-702K2L	Yageo America	RES, 2.2 k, 5%, 0.05 W, 0201	0201
22	R3U, R4U	2	845	RC0201FR-07845RL	Yageo America	RES, 845, 1%, 0.05 W, 0201	0201
23	R5U, R17U	2	1.00k	RC0201FS-7D10KL	Yageo America	RES, 1.00 k, 1%, 0.05 W, 0201	0201
24	R6U	1	10k	RC0201JR-7D10KL	Yageo America	RES, 10.0 k, 5%, 0.05 W, 0201	0201
25	R7U	1	10.0k	RC0201FS-7D10KL	Yageo America	RES, 10.0 k, 1%, 0.05 W, 0201	0201
26	R8U	1	150k	CR02W042150KFED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
27	R9U, R10U	2	10k	RC0201JS-7D10KL	Yageo America	RES, 10 k, 5%, 0.05 W, 0201	0201
28	R11U, R13U	2	14.0k	RC0402FR-0714KL	Yageo	RES, 14.0 k, 1%, 0.0625 W, 0402	0402
29	R12U	1	24.3	RC0201FS-7D24R3L	Yageo America	RES, 24.3, 1%, 0.05 W, 0201	0201
30	R14U, R15U	2	1.00k	RC0201DR-071KL	Yageo America	RES, 1.00 k, 0.5%, 0.05 W, 0201	0201
31	R16U	1	4.70k	RC0201DR-074KL	Yageo America	RES, 4.70 k, 0.5%, 0.05 W, 0201	0201
32	R18U	1	5.11k	RC0201FR-075K1HL	Yageo America	RES, 5.11 k, 1%, 0.05 W, 0201	0201
33	R19U, R28U, R33U, R42U	4	20	CR02W020120RPFNEED	Vishay-Dale	RES, 20.0, 1%, 0.05 W, 0201	0201
34	R20U, R29U, R34U, R43U	4	10	RC0201FS-7D10RL	Yageo America	RES, 10.0, 1%, 0.05 W, 0201	0201
35	R22U, R23U, R31U, R32U, R39U, R46U	6		RC0201JR-070RL	Yageo	RES SMD 0 OHM JUMPER 1/20W 0201	0201 (0603 Metric)
36	R24U, R25U, R26U, R27U, R37U, R38U, R40U, R41U	8	2	RC0201FS-7D2RL	Yageo America	RES, 2.00, 1%, 0.05 W, 0201	0201
37	R71U, R72U	2		TMP6131DECT	Texas Instruments	Thermistor, DEC0002A (X1SON-2)	DEC0002A
38	U1U	1		UCD3138ARJAT	Texas Instruments	UCD3138A Highly Integrated Digital Controller for Isolated Power 40-VQFN-40 to 125	VQFN40
39	U2U	1		TLV365DBVR	Texas Instruments	CMOS Amplifier 1 Circuit Rail-to-Rail SOT-23-5	SOT-23-5
40	U3U	1		TLV7533PDRVR	Texas Instruments	500mA LDO, DRV0006A (WSON-6)	DRV0006A
41	U4U, U6U, U7U, U9U	4		UCD7136DRS	Texas Instruments	UCD7136 Low Side Power MOSFET Driver with Body Diode Conduction Sensing, DRS0006A (WSON-6)	DRS0006A
42	U5U, U8U	2		LMG2100R044	Texas Instruments	LMG2100R044	VQFN-FCRL16
43	C46U, C46U, C46U, C48U, C80U, C91U, C95U, C96U	0	10pF	GRM0335C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V, +/- 5%, COG/NPO, 0201	0201
44	R21U, R30U, R35U, R44U	0	5.11k	RC0201DR-075K1HL	Yageo America	RES, 5.11 k, 0.5%, 0.05 W, 0201	0201
45	R36U, R45U	0		RC0201JR-070RL	Yageo	RES SMD 0 OHM JUMPER 1/20W 0201	0201 (0603 Metric)

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