

PMP20285_UCD3138A DC REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPCB100	1		PMP20285_UCD3138A DC	Any	Printed Circuit Board	
C100, C104	2	220pF	06031C221KAT2A	AVX	CAP, CERM, 220 pF, 100 V, +/- 10%, X7R, 0603	0603
C101	1	2200pF	06031C222KAT2A	AVX	CAP, CERM, 2200pF, 100V, +/-10%, X7R, 0603	0603
C102, C123	2	22pF	06035A220JAT2A	AVX	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C103, C111, C112, C113, C118, C134	6	0.1uF	C0603C104J4RACTU	Kemet	CAP, CERM, 0.1uF, 16V, +/-5%, X7R, 0603	0603
C105	1	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	0603
C106	1	0.01uF	06031C103JAT2A	AVX	CAP, CERM, 0.01 uF, 100 V, +/- 5%, X7R, 0603	0603
C107, C109	2	1uF	C0603C105K4PACTU	Kemet	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0603	0603
C108	1	0.01uF	0603ZC103KAT2A	AVX	CAP, CERM, 0.01 uF, 10 V, +/- 10%, X7R, 0603	0603
C110	1	10uF	C0805C106K8PACTU	Kemet	CAP, CERM, 10uF, 10V, +/-10%, X5R, 0805	0805
C114, C115, C116, C117, C135	5	2.2uF	0805YD225KAT2A	AVX	CAP, CERM, 2.2 uF, 16 V, +/- 10%, X5R, 0805	0805
C119, C120, C121, C122, C124	5	33pF	06035A330JAT2A	AVX	CAP, CERM, 33pF, 50V, +/-5%, C0G/NP0, 0603	0603
C125, C126, C127, C128, C129, C130, C131	7	1000pF	06035A102KAT2A	AVX	CAP, CERM, 1000pF, 50V, +/-10%, C0G/NP0, 0603	0603
C132	1	4.7uF	0603ZD475KAT2A	AVX	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X5R, 0603	0603
C133	1	1uF	C1608X5R1A105K	TDK	CAP, CERM, 1 uF, 10 V, +/- 10%, X5R, 0603	0603
D100, D101	2	30V	BAT54A-7-F	Diodes Inc.	Diode, Schottky, 30V, 0.2A, SOT-23	SOT-23
J100	1		NPPN202FJFN-RC	Sullins Connector Solutions	Receptacle, 2mm, 20x2, Gold, R/A, TH	Header, 20x2 2 mm pitch receptacle Right Angle
J101	1		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
J102	1		5103308-1	TE Connectivity	Header (shrouded), 100mil, 5x2, Gold, TH	5x2 Shrouded header
R100	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R101, R107	2	35.7k	CRCW060335K7FKEA	Vishay-Dale	RES, 35.7 k, 1%, 0.1 W, 0603	0603
R102	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	0603
R103, R104, R105	3	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R106	1	100k	RC0603FR-07100KL	Yageo America	RES, 100 k, 1%, 0.1 W, 0603	0603
R108	1	1.0	CRCW08051R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.125 W, 0805	0805
R109	1	0.5	RL0603FR-070R5L	Yageo America	RES, 0.5 ohm, 1%, 0.1W, 0603	0603
R110, R118, R122, R126	4	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100 ohm, 1%, 0.1W, 0603	0603
R111, R112, R113, R114, R115	5	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R116, R117, R119, R121, R123, R124	6	100	RC0603FR-07100RL	Yageo America	RES, 100, 1%, 0.1 W, 0603	0603
R120, R127, R128	3	1.5k	CRCW06031K50JNEA	Vishay-Dale	RES, 1.5k ohm, 5%, 0.1W, 0603	0603

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R125	1	2.00k	RC0603FR-072KL	Yageo America	RES, 2.00k ohm, 1%, 0.1W, 0603	0603
R129	1	220	CRCW0603220RJNEA	Vishay-Dale	RES, 220, 5%, 0.1 W, 0603	0603
U100	1		OPA376AIDBVR	Texas Instruments	Low-Noise, Low Quiescent Current, Precision Operational Amplifier e-trim Series, DBV0005A	DBV0005A
U101	1		LP3985IM5-3.3/NOPB	Texas Instruments	Micropower, 150mA Low-Noise Ultra Low-Dropout CMOS Voltage Regulator, 5-pin SOT-23	MF05A
U102	1		UCD3138ARJAR	Texas Instruments	Highly Integrated Digital Controller for Isolated Power, RMH0040A	RMH0040A