

PMP22682 REV E2 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPCB1	1		PMP22682	Any	Printed Circuit Board	
C1, C4, C7, C9, C10, C12, C15, C17	8	10uF	CL21B106KOQNNNE	Samsung Electro-Mechanics	CAP, CERM, 10 uF, 16 V, +/- 10%, X7R, 0805	0805
C2, C5, C6, C8, C11, C13, C14, C16	8	0.1uF	C1608X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
C3	1	100uF	EMVA100ADA101MF55G	Chemi-Con	CAP, AL, 100 uF, 10 V, +/- 20%, SMD	F55
C18, C19, C26, C27	4	0.47uF	GCM188R71C474KA55D	MuRata	CAP, CERM, 0.47 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C20, C23	2	1uF	GCM188R71C105MA64D	MuRata	CAP, CERM, 1 uF, 16 V, +/- 20%, X7R, AEC-Q200 Grade 1, 0603	0603
C21, C24	2	0.1uF	GCM188R71C104KA37J	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C22, C25	2	0.01uF	CGA3E2X7R2A103K080AA	TDK	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
D1	1	Green	LP M67K-D2G1-25-Z	OSRAM	LED, Green, SMD	LED, 2.3x1.4x1.5mm
J1, J2, J7, J8, J11, J12, J13	7		5-146278-3	TE Connectivity	Header, 100mil, 3x1, Tin, TH	Header, 3x1, 100mil, TH
J3	1		142138-75	Amphenol RF	JACK, SMB, 75 Ohm, Gold, TH	JACK, 75 Ohm, TH
J4	1		0393570002	Molex	Terminal Block, 3.5 mm, 2x1, Tin, TH	Terminal Block, 3.5 mm, 2x1, TH
L1, L2, L3, L4, L5, L6, L7, L8	8	1500 ohm	BLM18HE152SN1D	MuRata	Ferrite Bead, 1500 ohm @ 100 MHz, 0.5 A, 0603	0603
Q1	1	60V	2N7002Q-7-F	Diodes Inc.	MOSFET, N-CH, 60 V, 0.115 A, AEC-Q101, SOT-23	SOT-23
R1, R2, R12, R13	4	51.1	CRCW201051R1FKEF	Vishay-Dale	RES, 51.1, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R4, R7, R15, R17, R20, R21	6	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R8	1	499	CRCW0603499RFKEA	Vishay-Dale	RES, 499, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R11	1	51.1k	RT0603DRE0751K1L	Yageo America	RES, 51.1 k, 0.5%, 0.1 W, 0603	0603
R24	1	18.0	RC0603FR-0718RL	Yageo	RES, 18.0, 1%, 0.1 W, 0603	0603
R25, R26	2	4.70k	RC0603FR-074K7L	Yageo	RES, 4.70 k, 1%, 0.1 W, 0603	0603
R27, R28	2	0	3522ZR	TE Connectivity	RES, 0, 3 W, 2512	2512
U1, U2, U3, U4	4		UCC12050DVER	Texas Instruments	500 mW, High-Efficiency, Low-Emissions, 5 kVRMS Isolated DC-DC Converter, DVE0016A (SO-MOD-16)	DVE0016A
U5, U6	2			Texas Instruments	Ultra Low Noise, 150mA Linear Regulator for RF/Analog Circuits Requires No Bypass Capacitor, 6-pin LLP, Pb-Free	NGF0006A
U7	1		CDCE913PWR	Texas Instruments	Programmable 1-PLL VCXO Clock Synthesizer with 2.5-V or 3.3-V LVCMOS Outputs, PW0014A (TSSOP-14)	PW0014A
Y1	1		NX3225SA-16.000M-STD-CRS-2	NDK	Crystal, 16 MHz, 15 ppm, 8 pF, AEC-Q200 Grade 1, SMD	3.2x0.55x2.5mm
C28, C29	0	10pF	C0402C100C8GACTU	Kemet	CAP, CERM, 10 pF, 10 V, +/- 2.5%, C0G/NP0, 0402	0402
J5, J6, J9, J10	0		0393570002	Molex	Terminal Block, 3.5 mm, 2x1, Tin, TH	Terminal Block, 3.5 mm, 2x1, TH
L9, L10	0	600 ohm	BLM18KG601SN1D	MuRata	Ferrite Bead, 600 ohm @ 100 MHz, 1.3 A, 0603	0603
R9, R10, R18, R19, R22, R23	0	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603