



Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP20852	Any	Printed Circuit Board	
C1	1	470uF	UUD1E471MNL1GS	Nichicon	CAP, AL, 470 μF, 25 V, +/- 20%, 0.09 ohm, SMD	10x10
C2, C3, C10	3	10uF	C3216X7R1V106K160AC	TDK	CAP, CERM, 10 μF, 35 V, +/- 10%, X7R, 1206	1206
C4	1	0.022uF	GRM188R71H223KA01D	MuRata	CAP, CERM, 0.022 µF, 50 V, +/- 10%, X7R, 0603	0603
C5, C17, C18,	4	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
C19						
C7	1	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1 μF, 16 V, +/- 10%, X7R, 0603	0603
C8, C9	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C11, C12, C13,	12	4.7uF	C2012X7R1V475K125AC	TDK	CAP, CERM, 4.7 µF, 35 V, +/- 10%, X7R, 0805	0805
C14, C15, C16,						
C20, C21, C22,						
C23, C24, C25						
Cx1	1	6800pF	GRM188R71H682KA01D	MuRata	CAP, CERM, 6800 pF, 50 V, +/- 10%, X7R, 0603	0603
Cx2, Cx3, Cx4,	6	1000pF	202R18W102KV4E	Johanson Technology	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1206_190	1206_190
Cx5, Cx6, Cx7						
D1	1	14VWM	SMF14A	Littlefuse	Diode, TVS, Uni, 200Wpk, 14VWM, 23.2VC, SOD-123F	SOD-123F
D2, D3	2	100V	S310FA	Fairchild/ON Semi	Diode, Schottky, 100V, 3A, SOD-123W	SOD-123W
D4, D5, D6	3	200V	SMD1200PL-TP	MicroCommercial	Diode, Schottky, 200V, 1A, SOD-123FL	SOD-123FL
H1, H3, H5, H7	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
H2, H4, H6, H8	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
Q1	1	40 V	MMBT3904-7-F	Diodes Inc.	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
Q2	1	60V	CSD18543Q3A	Texas Instruments	MOSFET, N-CH, 60V, 8.1mOhm @ 10Vgs, SOIC-8	CSD19538Q3A
R1	1	0.1	ERJ-8RSJR10V	Panasonic	RES, 0.1, 5%, 0.25 W, 1206	1206
R2	1	4.75k	CRCW12064K75FKEA	Vishay-Dale	RES, 4.75 k, 1%, 0.25 W, 1206	1206
R3	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R4	1	8.25k	CRCW06038K25FKEA	Vishay-Dale	RES, 8.25 k, 1%, 0.1 W, 0603	0603
R5	1	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49 k, 1%, 0.1 W, 0603	0603
R6	1	36.5k	CRCW060336K5FKEA	Vishay-Dale	RES, 36.5 k, 1%, 0.1 W, 0603	0603
R7	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R8	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R9	1	15.0k	CRCW060315K0FKEA	Vishay-Dale	RES, 15.0 k, 1%, 0.1 W, 0603	0603
R10	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R11	1	0.5	RL1210FR-070R5L	Yageo	RES, 0.5 ohm, 1%, 0.5W, 2010	2010
R12, R13, R14	3	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R15, R16, R17,	6	100k	CRCW0603100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.1 W, 0603	0603
R18, R19, R20						
R21, R23, R25	3	1.21Meg	CRCW06031M21FKEA	Vishay-Dale	RES, 1.21 M, 1%, 0.1 W, 0603	0603
R22, R24, R26	3	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R27, R28, R29,	6	4.02	CRCW12064R02FKEA	Vishay-Dale	RES, 4.02, 1%, 0.25 W, 1206	1206
Rx3, Rx4, Rx5						
R30	1	150	CRCW0603150RFKEA	Vishay-Dale	RES, 150, 1%, 0.1 W, 0603	0603
R33	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
Rx1	1	3.65k	CRCW06033K65FKEA	Vishay-Dale	RES, 3.65 k, 1%, 0.1 W, 0603	0603
Rx2	1	22.1	CRCW060322R1FKEA	Vishay-Dale	RES, 22.1, 1%, 0.1 W, 0603	0603
T1	1		750316914	Wurth Elektronik	Transformer, Pri:Sec = 1:3, Pri:Aux = 1:1.5, TH	
TP1, TP2	2		1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2

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TP3, TP4, TP8,	9		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose
TP9, TP10, TP17,						Testpoint
TP18, TP19, TP20						
TP5, TP6, TP7	3		5014	Veretene	Toot Point Multinumage, Vollay, TU	Vallou Multinurnaaa
175, 176, 177	3		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose
						Testpoint
TP11, TP13, TP15	3		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose
						Testpoint
TP12, TP14,	4		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose
TP16, TP21						Testpoint
U1	1		UCC2805PW	Texas Instruments		
U2, U3, U4	3		LP2951-33DRGR	Texas Instruments	Adjustable Micropower Voltage Regulators with Shutdown, DRG0008A	DRG0008A
C6	0	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C26	0	100pF	GRM2165C2A101JA01D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, 0805	0805
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
R31	0	4.99k	CRCW08054K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.125 W, 0805	0805
R32	0	10	CRCW201010R0JNEF	Vishay-Dale	RES, 10, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010

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