

Variant: 760x transformer
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 TID #: PMP21953



PMP21953 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		PMP21953	Any	Printed Circuit Board	
2	C1, C3_DI, C3_PP, C3_SE, C5_SE, C6_DI, C6_PP, C7_PP	8	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
3	C1_DI, C1_PP, C1_SE	3	220pF	06035A221JAT2A	AVX	CAP, CERM, 220 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
4	C2_DI, C2_PP, C2_SE, C6_SE, C7_DI	5	1uF	GCM31MR71H105KA55L	MuRata	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
5	C4_DI, C5_DI	2	0.1uF	C3216X7R2A104K160AA	TDK	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, 1206	1206
6	C4_PP, C5_PP, C8_PP, C9_PP	4	1uF	GCM188R71E105KA64D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
7	C4_SE	1	0.22uF	C3216X7R2A224K115AA	TDK	CAP, CERM, 0.22 uF, 100 V, +/- 10%, X7R, 1206	1206
8	D1, D2	2	100V	BAT46W-7-F	Diodes Inc.	Diode, Schottky, 100 V, 0.15 A, SOD-123	SOD-123
9	D1_DI, D1_PP, D1_SE, D2_DI, D2_PP, D2_SE, D3_DI, D3_PP, D4_DI, D4_PP	10	60V	PMEG6010CEJ,115	Nexperia	Diode, Schottky, 60 V, 1 A, SOD-323F	SOD-323F
10	D3_SE	1		BZT52C12-7-F	Diodes Inc	Surface Mount Zener Diode, 12 V, 2-Pin 2.7 x 1.55 x 1.45 mm SOD123, 65 to 125 degC, RoHS, Tape and Reel	SOD123-2
11	FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
12	J1, J1_DI, J1_PP, J1_SE	4		TSW-104-07-G-S	Samtec	Header, 100mil, 4x1, Gold, TH	4x1 Header
13	J2, J2_PP, J3_DI, J3_SE	4		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
14	J2_DI, J2_SE, J3_PP	3		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
15	J3	1		TSW-105-07-G-S	Samtec	Header, 100mil, 5x1, Gold, TH	5x1 Header
16	Q1_SE	1		BC856BM3T5G	On Semiconductor	General Purpose Transistor, PNP Silicon, 3-Pin SOT-723, Pb-Free, Tape and Reel	SOT-723-3-631AA-01
17	R1, R1_DI, R1_SE, R2, R2_DI, R2_SE, R3_DI, R3_SE, R4, R5_DI, R5_PP, R5_SE, R7_SE, R8_SE	14	560k	RC0603FR-07560KL	Yageo	RES, 560 k, 1%, 0.1 W, 0603	0603
18	R1_PP, R2_PP, R3_PP	3	240k	RC0603FR-07240KL	Yageo	RES, 240 k, 1%, 0.1 W, 0603	0603
19	R3	1	47.0	RC0603FR-0747RL	Yageo	RES, 47.0, 1%, 0.1 W, 0603	0603
20	R4_DI, R4_SE	2	16.0k	RC0603FR-0716KL	Yageo	RES, 16.0 k, 1%, 0.1 W, 0603	0603
21	R4_PP	1	7.50k	RC0603FR-077K5L	Yageo	RES, 7.50 k, 1%, 0.1 W, 0603	0603
22	T1_PP	1	475uH	760390015	Würth Elektronik	Transformer, 475 uH, SMT	7.14x6.73mm
23	U1, U1_DI, U1_PP, U1_SE, U2_DI	5		TLV1805QDBVRQ1	Texas Instruments	Automotive 40-V, microPower, Push-Pull Comparator with Shutdown, DBV0006A (SOT-23-6)	DBV0006A
24	R6_DI, R6_PP, R6_SE, R7_PP	0	560k	RC0603FR-07560KL	Yageo	RES, 560 k, 1%, 0.1 W, 0603	0603
25	U2_PP, U2_SE	0		TLV1805QDBVRQ1	Texas Instruments	Automotive 40-V, microPower, Push-Pull Comparator with Shutdown, DBV0006A (SOT-23-6)	DBV0006A

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