

PMP30440 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C2, C3, C5	4	1uF	C1608X5R1H105K080AB	TDK	CAP, CERM, 1 µF, 50 V, +/- 10%, X5R, 0603	0603
2	C4, R2	2	DNP	DNP	DNP	DNP	0603
3	D1, D2	2	MBR0540T1G	MBR0540T1G	ON Semiconductor	Diode, Schottky, 40 V, 0.5 A, SOD-123	SOD-123
4	D3	1	5.6V	BZT52C5V6T-7	Diodes Inc.	Diode, Zener, 5.6 V, 300 mW, SOD-523	SOD-523
5	D4	1	DNP	DNP	DNP	DNP	SOD-523
6	J1, J2	2	39357-0002	39357-0002	Molex	Terminal Block, 3.5 mm, 2x1, Tin, TH	3.5 mm, 2x1, TH
7	Q1, Q2	2	BSS123	BSS123	Fairchild Semiconductor	MOSFET, N-CH, 100 V, 0.17 A, SOT-23	SOT-23
8	Q3	1	MMBT3904LT1G	MMBT3904LT1G	ON Semiconductor	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
9	Q4, Q5	2	DNP	DNP	DNP	DNP	SOT-23
10	R1	1	150k	RC0603FR-07150KL	Yageo America	RES, 150 k, 1%, 0.1 W, 0603	0603
11	R3, R100	2	0	5106	Keystone	RES, 0, 1%, 0.5 W, 0805	0805
12	T1	1	750317331	750317331	Würth Elektronik	Transformer, 1 mH, SMT (24 Vin to 12 Vout, 100 mA variant)	7.14x6.73mm
13	U1	1	SN6501DBVR	SN6501DBVR	Texas Instruments	Low-Noise 350 mA, 410 kHz Transformer Driver, DBV0005A (SOT-23-5)	DBV0005A

"DNP" = "do not populate"

Vin / Vout Variant	Transformer p/n:
24 Vin, 12 Vout @ 100 mA	750317331
24 Vin, 5 Vout @ 250 mA	750317828
12 Vin, 12 Vout @ 100 mA	750317829
12 Vin, 5 Vout @ 250 mA	750317830

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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