

Engineering Bill of Materials



Project Name:	PMP10725
Project File:	PMP10725_LM3481 Rev_B.PrjPcb
Base ID:	PMP10725_LM3481
PCB Rev:	X1
Schematic Rev:	X1
Assembly Variant:	Primary Control
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					43
Item	Designator	Description	Manufacturer	PartNumber	Quantity
1	C1	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, 1206	MuRata	GRM31CR71E106KA12L	1
2	C2, C11	CAP, AL, 47 uF, 50 V, +/- 20%, 0.68 ohm, SMD	Panasonic	EEE-FK1H470XP	2
3	C3	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, 0603	MuRata	GRM188R72A104KA35D	1
4	C4	CAP, CERM, 1 uF, 50 V, +/- 10%, X5R, 0603	MuRata	GRM188R61H105KAALD	1
5	C5	CAP, CERM, 4.7 uF, 25 V, +/- 10%, X5R, 0603	MuRata	GRM188R61E105KA12D	1
6	C6	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	MuRata	GRM188R71E105KA12D	1
7	C7	CAP, CERM, 1000 pF, 50 V, +/- 10%, X5R, 0603	MuRata	GRM188R61H102KA01D	1
8	C8	CAP, CERM, 100 pF, 25 V, +/- 5%, C0G/NP0, 0201	MuRata	GRM033R71E101JA01D	1
9	C9, C14, C15, C21, C22	CAP, CERM, 10 uF, 16 V, +/- 10%, X5R, 1206	MuRata	GRM319R61C106KE15D	5
10	C10	CAP, CERM, 150 pF, 50 V, +/- 5%, C0G/NP0, 0603	MuRata	GRM1885C1H151JA01D	1
11	C12	CAP, CERM, 10 uF, 35 V, +/- 10%, X7R, 1206	Taiyo Yuden	GMK316AB7106KL	1
12	C13	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	MuRata	GCM188R71H104KA57D	1
13	C17	CAP, CERM, 1000 pF, 500 V, +/- 10%, X7R, 1210	Vishay-Vitramon	VJ1210Y102KXEAT5Z	1
14	D1, D2	Diode, Schottky, 100 V, 1 A, PowerDI123	Diodes Inc.	DFLS1100-7	2
15	D3	Diode, Schottky, 60 V, 2 A, SMB	Vishay-Semiconductor	SS26-E3/52T	1
16	D4, D5	Diode, Schottky, 20 V, 1 A, SMA	Diodes Inc.	B120-13-F	2
17	Q1	MOSFET, N-CH, 100 V, 17 A, SON 5x6mm	Texas Instruments	CSD19532Q5B	1
18	R1	RES, 69.8 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060369K8FKEA	1
19	R2	RES, 14.3 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060314K3FKEA	1
20	R3	RES, 100 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603100KFKEA	1

21	R4	RES, 100, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603100RFKEA	1
22	R5	RES, 332, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603332RFKEA	1
23	R6	RES, 5.11 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06035K11FKEA	1
24	R7, R22	RES, 0.01, 1%, 0.5 W, 1206	Stackpole Electronics Inc	CSR1206FK10L0	2
25	R8	RES, 261 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603261KFKEA	1
26	R9	RES, 12.7 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060312K7FKEA	1
27	R10	RES, 200, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603200RFKEA	1
28	R20	RES, 0, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06030000Z0EA	1
29	R23	RES, 10.0 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060310K0FKEA	1
30	T1	Transformer, 30 uH, Isat 2.6A, EP13, 16Pin, 0.54:0.54:0.135:1:0.135, SMT	Würth Elektronik	750342985	1
31	TP1	Terminal, Turret, TH, Double	Keystone	1503-2	1
32	TP2	Terminal, Turret, TH, Double	Keystone	1503-2	1
33	TP3	Terminal, Turret, TH, Double	Keystone	1503-2	1
34	TP4	Terminal, Turret, TH, Double	Keystone	1503-2	1
35	U1	High Efficiency Low-Side N-Channel Controller for Switching Regulators	Texas Instruments	LM3481MM/NOPB	1

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