PMP30157 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	330pF	GRM188R71H331KA01D		CAP, CERM, 330pF, 50V, +/-10%, X7R, 0603	0603
	•	ооорі	GRANTOOR THOOTA TO TE	Martala	0741, OE11W, OOOPI, OOV, 17 1070, 7711, 0000	0000
C2	1	0.22uF	GRM188R71E224KA88D	MuRata	CAP, CERM, 0.22uF, 25V, +/-10%, X7R, 0603	0603
C3	1	2700pF	GRM188R71E272KA01D	MuRata	CAP, CERM, 2700 pF, 25 V, +/- 10%, X7R, 0603	0603
C4	1	0.47uF	GRM188R71C474KA88D	MuRata	CAP, CERM, 0.47 µF, 16 V, +/- 10%, X7R, 0603	0603
-	•	0.47 01	CITIVITOON TO THIN TOOL	Martala	ο, α, ο, ετανί, σ. τη μι , το ν, τη το λο, χετα, σοσο	0000
C5	1	330uF	EEE-FK1V331P	Panasonic	CAP, AL, 330 µF, 35 V, +/- 20%, 0.08 ohm, SMD	SMT Radial G
C6, C7, C20	3	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
C8	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	0805
00		100 5	0000004041/4704	A \ /\/	OAD OFFIN 400 F 05V /400/ V/7D 0000	0000
C9	1	100pF		AVX	CAP, CERM, 100pF, 25V, +/-10%, X7R, 0603	0603
C10	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
C11, C12, C13,	6	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	1210
C14, C16, C18	· ·	1.00			7, 0, 100., 100., 17, 12.0	
C15	1	180uF	PCR1H181MCL1GS	Nichicon	CAP, Aluminum Polymer, 180 µF, 50 V, +/- 20%, 0.019 ohm	SMD, 2-Leads, Dia
						10.5mm,
						Pin Spacing 8mm
C17	1	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	0603
C19	1	1000pF	GRM188R71H102KA01D	MuRata	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0603	0603
C21	1	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
D4		40)/	CNAD 750 40D NICO	Cantral Carriage durates	Diada 7anan 40 V 050 mW 00D 000	COD 202
D1	11	13V		Central Semiconductor	Diode, Zener, 13 V, 250 mW, SOD-323	SOD-323 SOD-323
D2		6.8V		Diodes Inc.	Diode, Zener, 6.8V, 200mW, SOD-323	
D3		80V 75V		Diodes Inc.	Diode, Schottky, 80 V, 3 A, SMC	SMC SOT-23
D4, D5	2	75V		Diodes Inc.	Diode, Ultrafast, 75V, 0.3A, SOT-23	
J1, J2	2			On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L1	1	2.2uH	74408943022	Wurth Elektronik	Inductor, Shielded Drum Core, Ferrite, 2.2 μH, 3 A, 0.026 ohm	4.8x3.8x4.8mm, SMD
L2	1	47uH	MSD1583-473MEB	Coilcraft	Coupled inductor, 47 µH, 5.4 A, 0.1 ohm	14.8x8.6x14.8mm, SMD
Q1	1	0.3V	MMBT2222A	Fairchild Semiconductor	Transistor, NPN, 40V, 0.15A, SOT-23	SOT-23
Q2	1	80V	BSC340N08NS3 G	Infineon Technologies	MOSFET, N-CH, 80 V, 23 A, PG-TDSON-8	PG-TDSON-8
R1	1	1.00Meg		Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, 0603	0603
R2, R4	2	40.2k		Vishay-Dale	RES, 40.2 k, 1%, 0.1 W, 0603	0603
R3	1	100k		Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
R5	1	30.1k		Vishay-Dale	RES, 30.1 k, 1%, 0.1 W, 0603	0603
R6	1	182k		Vishay-Dale	RES, 182k ohm, 1%, 0.1W, 0603	0603

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R7					RES, 3.92k ohm, 1%, 0.1W, 0603	0603
R8	1	10.0k	CRCW060310K0FKEA	·	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R9, R10	2	4.64	CRCW06034R64FKEA	Vishay-Dale	RES, 4.64 ohm, 1%, 0.1W, 0603	0603
R11, R15	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603, RES, 1.00 k, 1%, 0.1 W	0603
R12	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.1W, 0603	0603
R13	1	0.04	CSRN2010FK40L0	Stackpole Electronics Inc	RES, 0.04, 1%, 1 W, 2010	2010
R14	1	0.025	CSRN2010FK25L0	Stackpole Electronics Inc	RES, 0.025 ohm, 1%, 1W, 2010	2010
R16	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R17	1	2M	3224W-1-205E	Bourns	TRIMMER 2M OHM 0.25W SMD	3.5x5.3x4.8mm
R18	1	309k	CRCW0603309KFKEA	Vishay-Dale	RES, 309 k, 1%, 0.1 W, 0603	0603
R19	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0k ohm, 1%, 0.1W, 0603	0603
TP1, TP7, TP9	3	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP4, TP8	3	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP3	1	Orange	5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
TP5, TP6	2	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
U1	1		TPS40210DGQR	Texas Instruments	4.5-V TO 52-V INPUT, CM Boost Ctrl	DGQ0010D
U2	1	TLC272CD	TLC272CD	TI	IC, Precision Dual Operational Amplifiers	SO8

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