

Filename: Pro5080.tmp
Variant: UCC28700
Generated: 7/13/2017 11:51:52 AM
TID #: N/A



PMP20869 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C2	2	1000uF	16ZLJ560M8X16	Rubycon	1000µF 16V Aluminum Capacitors Radial, Can 5000 Hrs @ 105°C	6.3x5.5mm
2	C3, C11	2	22uF	GRT31CR61E226KE01L	MuRata	22µF ±20% 25V Ceramic Capacitor X5R 1206 (3216 Metric)	1206
3	C4, C9	2	18uF	UVR2E100MPD	Rubycon	18µF 250V Aluminum Capacitors Radial, Can 5000 Hrs @ 125°C	10x17.5
4	C8	1	2200pF	DE1E3KX222MA5BA01	MuRata	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, Disc 10x8mm	Disc 10x8mm
5	C10	1	4.7uF	GRM319R61H475KA12	MuRata	4.7µF 50V Aluminum Capacitors Radial, Can 2000 Hrs @ 85°C	1206
6	D1	1	100V	SS110-TP	Micro Commercial Components	Diode, Schottky, 100 V, 1 A, SMA	SMA
7	D2	1	7.5V	1SMA5922BT3G	ON Semiconductor	Diode, Zener, 7.5 V, 1.5 W, AEC-Q101, SMA	SMA
8	D3, D7	2	600V	1N4006-T	Diodes Inc.	Diode, Standard Recovery Rectifier, 600 V, 1 A, TH	DO-41
9	D4	1	160V	SMCJ160A-TP	Micro Commercial Components	Diode, TVS, Uni, 160 V, 259 Vc, SMC	SMC
10	D6	1	1.7V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000V, 1A, SMA	SMA
11	D8	1		BAS20HT1G		DIODE SWITCH 200V 200MA SOD323	SOD-323
12	F1	1		37202500001	Littelfuse	Fuse, 0.25 A, 250 V, TH	TR5 fuse 8.5mm DIA
13	J1	1		923345-03-C	3M	Jumper Wire, 300mil spacing, Orange, pkg of 200	300 mil Jumper Wire
14	J2, J3	2		923345-04-C	3M	Jumper Wire, 400 mil Spacing, Yellow, Pkg of 200	Jumper Wire, 400 mil Spacing, Yellow, Pkg of 200
15	L1	1	10mH	744862100	Würth Elektronik	COMMON MODE CHOKE 450MA 2 LN T/H	17x12.32x15.32 mm
16	Q1	1	800V	STP10NK80Z	STMicroelectronics	N-Channel 800V 9A (Tc) 190W (Tc) Through Hole TO-220AB	TO-220AB
17	R1	1	2.05k	CRCW08052K05FKEA	Vishay-Dale	RES, 2.05 k, 1%, 0.125 W, 0805	0805
18	R2, R3, R5, R7	4	4.7Meg	CRCW12064M70JNEA	Vishay-Dale	RES, 4.7Meg ohm, 5%, 0.25W, 1206	1206
19	R6	1	150	CRCW1206150RFKEA	Vishay-Dale	RES, 150, 1%, 0.25 W, 1206	1206
20	R8	1	1.50Meg	1-1614959-1	Tyco Electronics	RES, 1.50 M, 0.1%, 0.1 W, 0805	0805
21	R9	1	20.0	CRCW080520R0FKEA	Vishay-Dale	RES, 20.0, 1%, 0.125 W, 0805	0805
22	R10, R12	2	1.5Meg	CRCW12061M50JNEA	Vishay-Dale	RES, 1.5 M, 5%, 0.25 W, 1206	1206
23	R11	1	137k	CRCW0603137KFKEA	Vishay-Dale	RES, 137 k, 1%, 0.1 W, 0603	0603
24	R13	1	3.0k	CRCW06033K00JNEA	Vishay-Dale	RES, 3.0 k, 5%, 0.1 W, 0603	0603
25	R14	1	42.2k	CRCW060342K2FKEA	Vishay-Dale	RES, 42.2 k, 1%, 0.1 W, 0603	0603
26	R15	1	0.82	ERJ-6RQFR82V	Panasonic	RES, 0.82, 1%, 0.125 W, 0805	0805
27	T1	1		RLTI-1195	Renco	Flyback Transformer, 700uH	
28	TP1, TP3	2	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
29	TP2, TP5	2	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
30	TP4	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
31	TP6	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
32	UCC28700	1		UCC28700DBVR	Texas Instruments	Constant-Voltage, Constant-Current PWM With Primary-Side Regulation, DBV0006A (SOT-6)	DBV0006A
33	C5	0	470uF	RS80J471MDNASQJT	Nichicon	CAP ALUM POLY 470UF 20% 6.3V T/H	5x7 mm
34	C6	0	4.7uF	CGB3B1XR1A475K055AC	TDK	CAP, CERM, 4.7 µF, 10 V, +/- 10%, X5R, 0603	0603
35	C7	0	22uF	CL10A226MP8NUNE	Samsung	CAP, CERM, 22 µF, 10 V, +/- 20%, X5R, 0603	0603
36	D5	0	100V	SS1H10-E3/61T	Vishay-Semiconductor	Diode, Schottky, 100V, 1A, SMA	SMA
37	R4	0	511	CRCW0603511RFKEA	Vishay-Dale	RES, 511, 1%, 0.1 W, 0603	0603

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