

PMP7395_REVA BOM

COUNT	RefDes	VALUE	Description	Size	Part Number	MFR
2	C152-153	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	603	GRM39yyyxxxKvvvA	muRata
1	C151	0.22uF	Capacitor, Ceramic, 25V, X7R, 15%	603	GRM39yyyxxxKvvvA	muRata
1	C1	100nF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
1	C12	100nF	Capacitor, Ceramic, 25V, X7R, 10%	603	Std	Std
1	C154	1uF	Capacitor, Ceramic, 25V, X5R, 20%	603	GRM39yyyxxxKvvvA	Std
1	C13	2.2nF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
1	C155	10uF	Capacitor, Ceramic, 6.3V, X5R, 20%	805	Std	Std
1	C11	4.7uF	Capacitor, Ceramic, 25V, X5R, 10%	805	Std	Std
1	C3	22uF	Capacitor, Ceramic, 16V, X5R, 20%	1210	Std	Std
1	C8	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	Std	Std
1	C4	6TPD330M	Capacitor, Aluminum, SMT, 6.3V, 20%, 10mOhms	7343(D)	STD	Sanyo
1	C7	100uF	Capacitor, ZLx, 10V	TH	xxZLxx	Rubycon
1	D151	BAT54	Diode, Schottky, 200-mA, 30-V	SOT23	BAT54-V-GS08	Vishay-Liteon
1	D152	RED	Diode, LED, Red Clear, 20mcd	0.079 X 0.049	LTST-C170CKT	Lite On
2	D153-154	MBR0530TxG	Diode, Schottky, 0.5A, 30V	SOD-123	MBR0530TxG	On Semi
1	D1	MBRA130LT3	Diode, Schottky, 1-A, 30-V	SMA	MBRA130LT3	On Semi
1	J151	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
				0.400 x 0.453	IHLP4040DZER4R7M01	Vishay
1	L1	4.7uHy	Inductor, SMT, yyA, zzmilohm	inch	PCMB104E-4R7MS	Susumu
1	R2	49.9	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R6	15k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R8	10.0K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R1	100K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R152	100k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay
1	R153	10k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay
1	R154	331	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay
1	R5	54.9k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R151	8.06k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay
1	R156	0	Resistor, Chip, 1/16W, 5%	603	STD	STD
1	R155	10	Resistor, Chip, 1/16W, 5%	603	CRCW0603-xxx-J	Vishay
1	R160	100	Resistor, Chip, 1/16W, 5%	603	CRCW0603-xxx-J	Vishay

1	R157	open	Resistor, Chip, 1/16W, 5%	603	STD	STD
1	R159	0.005	Resistor, Chip, 1W, 5%	2512	Std	Std
1	R158	5.1 or 5	Resistor, Chip, 1W, 5%	2512	Std	Std
2	J1-2	ED120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35	ED120/2DS	OST
1	U151	TLC555CD	IC, Timer, Low-Power CMOS	inch	TLC555CD	TI
4	TP1 TP4 TP7-8	5000	Test Point, Red, Thru Hole Color Keyed	SO8		
4	TP5-6 TP11 TP153	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
1	TP3	5002	Test Point, White, Thru Hole Color Keyed	inch	5001	Keystone
2	TP151-152	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100	5002	Keystone
1	U1	TPS54620RGY	IC, 1.6V-17V Synchronous Buck PWM Converter with Integrated MOSFET	inch	5002	Keystone
1	TP2	5015	Test Point, SMT	3.5mm x 3.3mm QFN14	TPS54620RGY	TI
1	Q151	CSD16325Q5	MOSFET, N-Chan, 25V, 33 A, 1.7 milli-ohm	0.105 x 0.040	5015	Keystone
1	U152	UCC37324DR	IC, Dual 4-A High Speed Low-Side Power MOSFET Drivers	QFN-8	CSD16325Q5	TI
				POWER		
				SO-8	UCC37324DR	TI

Notes: 1. These assemblies are ESD sensitive, ESD precautions shall be observed.
2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
4. Ref designators beginnnng with Q or U unless otherwise noted cannot be substituted.
All other components can be substituted with equivalent MFG's components.

5. Built on PCB PMP7387 rev A

6. Test interface shaded in yellow

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