

psxpress-pms

Reference	Qty	Value	MFR #
C1, C3, C4, C6, C7, C8	6	10uF	CL21B106KAYQNNE
C2	1	47nF	CC0805JRX7R8BB473
C5	1	4.7uF	CL21B475KAFNNNE
C9, C10, C11, C12, C13, C14	6	22uF	GRM21BZ71A226ME15L
C15	1	100nF	CL10B104KB8NNNC
IC1	1		BQ25606RGER
IC2	1		MAX16054AZT+T
L1, L2, L3	3	1uH	MDWK4040T1R0MM
Q1, Q2	2		AONR21117
Q3	1		SI1317DL-T1-GE3
R1	1	150Ω	RC0603FR-07150RL
R2	1	226Ω	RMS06FT2260
R3, R4, R5, R6	4	10kΩ	0603WAF1002T5E
R7	1	909kΩ	WR06X9093FTL
R8, R10	2	100kΩ	FRC0603F1003TS
R9	1	604kΩ	FRC0603F6043TS
R11, R12	2	100kΩ	0402WGF1003TCE
U1, U2	2		TPS631000DRLR
U3	1		MCP120T-300I/TT
PCB	1		PCB

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Description	Source	Unit Cost
CAP CER 10UF 25V X7R 0805	LCSC	\$0.07
CAP CER 47NF 25V X7R 0805	LCSC	\$0.01
CAP CER 4.7UF 25V X7R 0805	LCSC	\$0.02
CAP CER 10UF 10V X7R 0805	LCSC	\$0.11
CAP CER 100NF 50V X7R 0603	LCSC	\$0.00
IC BATT CHG LI-ION 1CELL 24VQFN	LCSC	\$0.94
IC SOFT PWR CTRL TSOT23-6	LCSC	\$1.19
FIXED IND 1UH 5.1A 27 MOHM SMD	DigiKey	\$0.55
MOSFET P-CH 20V 26.5A/34A 8DFN	DigiKey	\$0.92
MOSFET P-CH 20V 1.4A SOT323	DigiKey	\$0.44
RES 150 OHM 1% 1/10W 0603	LCSC	\$0.00
RES 226 OHM 1% 1/10W 0603	LCSC	\$0.00
RES 10K OHM 1% 1/10W 0603	LCSC	\$0.00
RES 909K OHM 1% 1/10W 0603	LCSC	\$0.00
RES 100K OHM 1% 1/10W 0603	LCSC	\$0.00
RES 604K OHM 1% 1/10W 0603	LCSC	\$0.00
RES 100K OHM 1% 1/10W 0402	LCSC	\$0.00
IC REG BCK BST 2A SOT583	DigiKey	\$1.49
IC SUPERVISOR 1 CHANNEL SOT23-3	DigiKey	\$0.60
PCB	DKRed	\$1.66

BOM cost	\$12.44
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