

PACMAN Bill of Materials
Revision 0.3

Reference	Value	Supplier	Supplier P/N	Unit Cost
C2	0.1u			
X1	10MHz	Digikey	887-1741-1-ND	\$0.72
C1	10p			
C4	10p			
C6	0.1u			
SW1	RESET			
R5	10k			
C3	0.1u			
C5	0.1u			
R6	1k			
R7	1k			
D1	POWER			
D2	FAULT			
R8	1k			
D3	REQUEST			
R9	1k			
D4	LOW VOLT			
U1	AT90CAN32-M	Digikey	AT90CAN32-16AURCT-ND	\$7.52
U2	ADM6320	Digikey	ADM6320CY29ARJZ-R7CT-ND	\$1.52
R3	10k			
R4	10k			
R1	10k			
R2	10k			
R34	10k			
U9	NCP1117ST33T3G	Digikey	NCP1117ST33T3GOSCT-ND	\$0.49
C16	220u	Digikey	493-6214-1-ND	\$0.41
C18	0.1u			
U8	Si8600	Digikey	SI8600AC-B-ISR-ND	\$2.96
C13	0.1u			
C17	0.1u			
U3	PCF8574A	Digikey	568-1074-1-ND	\$1.22
U6	LTC3638	Digikey	LTC3638EMSE#PBF-ND	\$7.79
C11	10u	Digikey	490-1891-1-ND	\$0.61
L1	220u	Digikey	445-173047-1-ND	\$0.52
D6	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.57
C15	10u	Digikey	490-1891-1-ND	\$0.61
C9	10u	Digikey	490-1891-1-ND	\$0.61
C12	1u			
R20	10k			
R19	10k			
U4	MCP6402	Digikey	MCP6402-E/SN-ND	\$0.44
R12	100K 1%			
C7	10u	Digikey	490-1891-1-ND	\$0.61
R11	1M 1%			
U5	ADS1013	Digikey	296-25225-1-ND	\$3.13
C8	0.1u			
R13	1M 1%			
R14	300K 1%			
R17	158K 1%			
R16	10K			
C10	220u	Digikey	493-9426-1-ND	\$0.79
D5	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.57
T1	WURTH_750311564	Digikey	1297-1132-1-ND	\$4.55
R15	113K 1%			
D7	PTZTE2533B	Digikey	PTZTE2533BCT-ND	\$0.45
C14	220p			
R18	10K			
D8	SK310A-LTP		SK310A-LTPMSCT-ND	\$0.57
D9	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.57
U7	LT8302	Digikey	LT8302ES8E#PBF-ND	\$7.41
R10	10k			
R30	0 1%			

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R32	10M 1%			
R31	0 1%			
C22	0.1u			
C23	0.1u			
D12	CHARGE			
R23	1k			
U10	RELAY_VO14642AT	Digikey	VO14642AT-ND	\$2.66
D10	SAFE			
R21	1k			
D11	ERROR			
R22	1k			
R33	1k			
U13	74LVC2G07	Digikey	568-4617-1-ND	\$0.45
D18	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.57
Q1	SI2323DDS	Digikey	SI2371EDS-T1-GE3CT-ND	\$0.42
Q2	SI2323DDS	Digikey	SI2371EDS-T1-GE3CT-ND	\$0.42
D19	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.57
R37	10k			
R38	10k			
U11	MCP2551-I/SN	Digikey	MCP2551-I/SN-ND	\$1.02
R25		120		
R24	1k			
C19	0.1u			
D13	CANTX			
D14	CANRX			
R26	1k			
R27	1k			
C20	0.1u			
D16	TX			
D17	RX			
R28	1k			
R29	1k			
U12	FT232RL	Digikey	768-1007-1-ND	\$4.50
C21	0.1u			
F1	500mA	Digikey	F2998CT-ND	\$0.51
D15	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.57
J1	USB	Digikey	A114945-ND	\$1.36
P5	JTAG	Digikey	609-4054-ND	\$1.10
P1	BATTERY	Digikey	WM1340-ND	\$2.61
P3	EXT I2C	Digikey	WM1344-ND	\$4.20
P4	GPIO	Digikey	3M11931-ND	\$0.78
J2	BACKPLANE CONNECT	Digikey	5237FE-ND	\$3.88
R35		100		
R36		100		
P2	DETECT	Digikey	WM1340-ND	\$2.61