











Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	Capacitor	C1, C37	0805	CAP	2
100nF	Capacitor	C2, C3, C4, C5, C6, C9, C11, C14, C18, C21, C27, C29, C30, C31, C33, C35, C36, C42	0603	CAP	18
10nF	Capacitor	C7, C8, C10	0603	CAP	3
18pF	Capacitor	C12, C13, C23, C25	0603	CAP	4
10u	Capacitor	C15, C16, C19, C26, C28, C32	0805	CAP	6
1uF	Capacitor	C17, C20, C38	0805	CAP	3
100n	Capacitor	C22	0603	CAP	1
2.2nF	Capacitor	C24, C34	0603	CAP	2
4u7 35V	Polarized Capacitor (Surface Mount)	C39, C40	MCCT-CASEC	Cap Pol3	2
1n	Capacitor	C41	0603	CAP	1
1882-2781	Three level LED	D1	LED_TRILEVEL	LED-TRILEVEL	1
12V Transient	6: 1	20	0144	DIODE	
Suppressor	Diode	D2	SMA SMB	DIODE	1
MBRS130	Schottky Diode	D3		D SCHOTTKY	1
125mA/3A	Fuse	F1	LITTELFUSE-154	FUSE2	1
125mA/3A	Fuse	F2	LITTELFUSE-154-250V	FUSE2	1
HOLE	Hole Connector, 2 pin, with	H1, H2, H3, H4	M2.5	HOLE	4
CON5-S	shield @ S	J1, J2	TRIAD5F	CON5-S	2
LPC SWD Connector	LPC SWD Connector	J3	IDC8	LPCLink_Connector	1
Shield	Socket	J4	BMIS-203-SHIELD	Socket	1
POWERPOLE(MINI)		J5	POWERPOLE25A	CON1	1
CHOKE		L1	Epcos-Choke	CHOKE	1
CHOKE	Inductor	L2	1812	INDUCTOR	1
330uH	Inductor	L3	1812	Inductor	1
UART	Header, 2-Pin, Dual row	P1	HDR2X2	Header 2X2	1
Header 4	Header, 4-Pin	P2	HDR1X4	Header 4	1
MiniPowerclaw	Header, 2-Pin	P3	MiniPowerpole-Hrz	Header 2	1
ZXM61N02F	1.7A, 20V N-Channel Enhancement mode FET	Q1	SOT23-3	ZXM61N02F	1
0R	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R18, R24, R25, R26, R28, R34, R35	0603	RES1	16
1K	Resistor	R10, R11, R13, R31	0603	RES1	4
100K	Resistor	R12	1206	RES1	4
TOOK	vanstor (voltage-	KIZ	1200	INEST	
NTC, 10k	Sensitive Resistor)	R14	NTC_EPCOS	Res Varistor	1
20K	Resistor	R15	1206	RES1	1
9k1	Resistor	R16	0603	RES1	1
100R	Resistor	R17	0603	RES1	1
10K	Resistor	R19, R20	0603	RES1	2
7k15	Resistor	R21, R23, R29, R32	0603	RES1	4
BVR, 0R0005		R22	BVR	BVR	1
330k		R27, R33	1206	RES1	2
1k2	Resistor	R30	1206	RES1	1
100k	Resistor	R36	0603	RES1	1
1R2	Resistor	R37	0603	RES1	1
24AA256	2 2\/ CAN Te	U1	DIP8	24AA256	1
SN65HVD232	3.3V CAN Transciever	U2	SO8	SN65HVD232	1
LPC11C14	SOT22 ropot conomic:	U3 U4	Quad48-LPC11c14 SOT23-3	LPC11C14_Full XC61F	1
XC61CN2002MR	SOT23 reset generator	U*I	30123-3	∧WIF	1
NKE1209SC	Output	U5	NPSIP4	LME1209S	1
Pq1R30		U6	SOT23-6	Pq1R30	1
MCP3909	Energy Measurement IC	U7	SOP24-wide	MCP3909	1
IL717	www.nve.com	U8	SO16	IL717	1
IL711	IL711 Optical Isolator	U9	SO8	IL711	1
LTC6652		U10	SOP8 - duplicate	LTC6652	1
LTC1474	Step-down converter	U11	TSOP8	LTC1474	1
12 MHz	Crystal	Y1	HC49/4H	CRYSTAL	1
3.579545	Crystal	Y2	HC49/4H	CRYSTAL	1

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