

Quantity	Designator	Supplier 1	Supplier Part Number 1	Description
1	C2	Digi-Key	399-ESW106M025AC3AA-ND	Cap Alum 10UF 20% 25V Radial
1	C8	Digi-Key	490-11164-1-ND	Ceramic Capacitor for Automotive 470nF ±10% 50VDC X7R 0805 Embossed T/R
1	C9	Digi-Key	490-9961-2-ND	Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 47uF, X5R, 15%, 20%, 10V
1	C17	Digi-Key	490-1700-1-ND	
1	D1	Digi-Key	732-4986-1-ND	SMD mono-color Chip LED, WL-SMCW, Bright Green
1	D2	Digi-Key	732-4986-1-ND	SMD mono-color Chip LED, WL-SMCW, Bright Green
1	D3	Digi-Key	732-4986-1-ND	SMD mono-color Chip LED, WL-SMCW, Bright Green
1	D4	Digi-Key	732-4986-1-ND	SMD mono-color Chip LED, WL-SMCW, Bright Green
1	D5	Digi-Key	732-4986-1-ND	SMD mono-color Chip LED, WL-SMCW, Bright Green
1	D6	Digi-Key	732-4986-1-ND	SMD mono-color Chip LED, WL-SMCW, Bright Green
1	D7	Digi-Key	732-4986-1-ND	SMD mono-color Chip LED, WL-SMCW, Bright Green
1	F1	Digi-Key	F1224CT-ND	FUSE BOARD MNT 2A 125VAC/VDC SMD
1	FL1	Digi-Key	445-3957-1-ND	100ÂµH @ 100kHz 2 Line Common Mode Choke Surface Mount 5.8 kOhms @ 10MHz 150mA DCR 20hm
1	J1	Digi-Key	SAM8799-ND	CONN HEADER SMD 10POS 1.27MM
1	J4	Mouser	538-43650-0209	Molex 2 Position Board Header, Right Angle
1	PulseTransformer1	Digi-Key	553-1776-1-ND	No Description Available
1	R21	Digi-Key	541-TNPW0805806RBEENTR-ND	
1	R26	Digi-Key	541-TNPW0805806RBEENTR-ND	
1	R36	Newark	25AC7644	RES Thick Film, 10kΩ, 1%, 0.125W, 100ppm/°C, 0805
1	R37	Digi-Key	541-120ADKR-ND	
1	U1	Digi-Key	945-2201-ND	1A DC/DC-Converter 'INNOLINE' SIP3 reg
1	U2	Digi-Key	945-2409-5-ND	1A DC/DC-Converter 'INNOLINE' SIP3 reg
1	U3	Digi-Key	EG1868CT-ND	Swicth, SPST, 24 V, -35 to 85 degC, 4-Pin SMD, RoHS, Tape and Reel
1	U4	Digi-Key	497-15167-ND	IC MCU 32BIT 256KB FLASH 64LQFP
1	U5	Digi-Key	74ACT541SC-ND	Buffer, Non-Inverting 1 Element 8 Bit per Element 3-State Output 20-SOIC
1	U6	Digi-Key	LTC6820IMS#TRPBFCT-ND	IsoSPI Isolated Communication Interface, 2.7 to 5.5 V, -40 to 85 degC, 16-Pin MSOP (MS), Pb-Free, Tape and Reel
1	U7	Newark	61AC2368	IC CAN TRANSEIVER HS 8SOIC
1	Y1	Digi-Key	535-9133-1-ND	CRYSTAL, 48MHZ, 18PF, 5 X 3.2MM; Product Range:ABM3B Series; Frequency Nom:48MHz; Frequency Stability + / -:50ppm; Frequency Tolerance + / -:20ppm; Crystal Case:SMD, 5mm x 3.2mm; Load Capacitance:18pF; Operating Temperature Min:-20 C
2	C6, C11	Digi-Key	490-4741-1-ND	
2	C7, C10	Newark	08AC2712	Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 10000pF, COG, 30ppm/°C, 5%, 50V
2	C15, C18	Digi-Key	490-5332-1-ND	Ceramic Capacitor for Automotive 4.7uF ±10% 16VDC X7R 0805 Embossed T/R
2	C27, C28	Digi-Key	490-5297-1-ND	Ceramic Capacitor 18pF ±5% 250VDC COG 0805 Paper T/R
2	J2, J3	Digi-Key	WM21377-ND	Conn Power HDR 8 POS 4.2mm Solder ST Thru-Hole 8 Terminal 1 Port Mini-Fit Jr™ Frame
2	Q1, Q2	Digi-Key	SSM3K329RLFDKR-ND	N-Channel MOSFET, 30V, 3.5A
2	R8, R14	Digi-Key	541-100KCCT-ND	RES Thick Film, 100kΩ, 1%, 0.125W, 100ppm/°C, 0805
2	R9, R12	Digi-Key	541-12.0KCCT-ND	RES Thick Film, 12kΩ, 1%, 0.125W, 100ppm/°C, 0805
2	R10, R13	Digi-Key	541-3.09KCCT-ND	RES Thick Film, 3.09kΩ, 1%, 0.125W, 100ppm/°C, 0805
2	R11, R15	Digi-Key	541-1.60KCCT-ND	
2	R18, R27	Digi-Key	541-2840-1-ND	Res Thick Film 0805 2K Ohm 1% 0.4W ±100ppm/C Pad SMD Automotive T/R
2	R29, R31	Digi-Key	P62.0FCT-ND	
2	R30, R32	Newark	27W4914	RES Thick Film, 300Ω, 1%, 0.25W, 100ppm/°C, 1206
3	R16, R17, R34	Newark	68AH8357	RES Thick Film, 10kΩ, 1%, 0.125W, 100ppm/°C, 0805
4	C1, C3, C4, C5	Digi-Key	445-7611-1-ND	Multilayer Ceramic Capacitors 10µF ±10% 16V X6S SMD 0805
4	C16, C21, C22, C25	Digi-Key	490-6060-1-ND	
6	R19, R20, R22, R23, R24, R25	Digi-Key	541-0.0TBCT-ND	RES Thick Film, 0Ω, 0.5W, 0805
8	C12, C13, C14, C19, C20, C23, C24, C26	Digi-Key	490-5803-1-ND	
9	R1, R2, R3, R4, R5, R6, R7, R33, R35	Digi-Key	P160ADCT-ND, P16076CT-ND	RES SMD 160 OHM 5% 1/2W 0805, RES SMD 665 OHM 1% 1/2W 0805
14	AIR Signal NMOS, AIR_OPEN_SIGNAL, CANH, CANL, CHANNEL1, CHANNEL2, Charging Signal, Charging Signal NMOS, TP_CS, TP_MISO, TP_MOSI, TP_SCK, VCC_3.3V, VCC_5V			SMD Test Point