

Designator	Comment	Description	Quantity	Manufacturer	Manufacturer Part Number	Supplier 1	Supplier Part Number 1	Supplier Subtotal per Board 1	Supplier Unit Price 1
C100, C105, C108, C111, C200, C201, C203, C205, C207, C209, C210, C302, C303, C304, C305, C307, C308	100nF, 100V	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X7R, 100nF, 100V	17	Würth Elektronik	885012207128	Farnell	2812440		
C101, C102	1uF, 16V	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X7R, 1uF, 16V	2	Würth Elektronik	885012207051	Farnell	2534058		
C103, C104, C109, C110	2.2uF, 100V	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 1210, X7R, 2.2uF, 100V	4	Würth Elektronik	885012209071				
C106, C107, C112, C113	4.7uF, 16V	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X7R, 4.7uF, 16V	4	Würth Elektronik	885012207053	Farnell	2495191		
C202, C204	47pF, 100V	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, NP0, 47pF, 100V	2	Würth Elektronik	885012007080	Farnell	2812160		
C206, C208, C306	10uF, 16V	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 1210, X7R, 10uF, 16V	3	Würth Elektronik	885012209014				
C300, C301	33pF, 100V	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, NP0, 33pF, 100V	2	Würth Elektronik	885012007079				
D100	S8KC-13	Diode	1	Diodes inc		Farnell	3127431		
D101, D102	SS110+	Diode Schottky	2	Multicomp		Farnell	4085140		
D200	PESD1CAN	ESD Protection Device, TVS, 70 V, SOT-23, 3 Pins	1	NXP		Farnell	1510703		
D201	Red & Bright Green	WL-SBTW SMD Bi-color TOP LED Waterclear, Red & Bright Green, 120degC	1			Farnell	2322113		
F100, F101	PTC 300mA	Fuse	2	Multicomp Pro		Farnell	1800748		
J200, J201	Header Modular 8P8C Shielded	WR-MJ Modular Jack THT Horizontal Shielded with EMI Panel Finger 8P8C Tab Up	2	Würth Elektronik	615008140621	Farnell	1841173		
L100, L101	100uH, 0.49A	WE-LQS SMT Power Inductor, size 4025, 100uH, 0.49A	2	Würth Elektronik	74404043101A	Farnell	2749073		
L200	5000Ohm	WE-CNSW SMT Common Mode Line Filter, size 1812, 5000Ohm, 0.45A, 60V	1	Würth Elektronik	744235110	Farnell	2249869		
P100	Header Pluggable 5.08mm 2p	WR-TBL Serie 313 Close Horizontal PCB Header, Pluggable, pitch 5.08mm, 2p	1			Farnell	1641993		
P101	Header Plug	WR-TBL Series 351 - 5.08 mm Vertical, pitch 5.08mm, 2p	1			Farnell	1641952		
P200	uSD Card	SD slot connector with card detect	1	Hirose		Farnell	2427719		
P300	Header pin 2.54mm 8p	WR-PHD Pin Header, THT, pitch 2.54mm, Single Row, Vertical, 8p	1	Würth Elektronik	61300811121	Farnell	2356160		
R100, R101, R103, R104	100K	Thick Film Resistor, size 0805, 1%	4						
R102, R105	18K	Thick Film Resistor, size 0805, 1%	2						
R200, R203	15K	Thick Film Resistor, size 0805, 1%	2						
R201, R202, R302	470R	Thick Film Resistor, size 0805, 1%	3						
R204, R205, R209, R210, R211, R213, R301, R305	10K	Thick Film Resistor, size 0805, 1%	8						
R206, R207	68R	Thick Film Resistor, size 0805, 1%	2						
R208, R212, R214, R215, R303, R304	1K0	Thick Film Resistor, size 0805, 1%	6						
R300	1M0	Thick Film Resistor, size 0805, 1%	1						
S200	TactileSwitch	WS-TATU THT Tact Switch 6x6mm Right Angled Type with ground terminal, height 3.85mm, 160gf	1						
U100, U102	LMR16006	DC-DC Switching Buck (Step Down) Regulator, Adjustable, 4V-60Vin, 800mV-55Vout, 600mAout, TSOT-23-6	2	Texas Instruments		Farnell	3121632		
U101	AZ1117EH-3.3TRG1	IC REG LINEAR 3.3V 1A SOT223	1	Diodes Inc	AZ1117EH-3.3TRG1				
U200	MCP2562	CAN Bus, Transceiver, CAN, LIN, 1, 1, 4.5 V, 5.5 V, SOIC	1	Microchip		Farnell	2362839		
U201, U202	EMIF01-10005W5	2 Line EMI Filter with ESDProtection	2	ST Microelectronics		Farnell	2629722		
U203	GY-GPS6MV2	GPS module	1	NEO					
U300	DSPIC33EP128GS804	16-Bit Digital Signal Controllers for Digital Power Applications with Interconnected High-Speed PWM, ADC, PGA and Comparators	1	Microchip		Farnell	2706170		
U301	S25FL256LAGMFI003	Flash Memory, Floating Gate Architecture, Serial NOR, 256 Mbit, 32M x 8bit, SPI, WSOIC, 16 Pins	1	Cypress - Infineon Technologies		Farnell	2768046		
Y300	16MHz	WE-XTAL Quartz Crystal, SMT, 12SMX, 16MHz, +/-30ppm	1	Würth Elektronik	830026392				