



Pizza Compass HW Rev. A

Bill-of-Materials

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Notes:

1) Unused: R1

Item	Quantity	Reference	Manufacturer	Manuf. Part #	Distributor	Distrib. Part #	Description
1	1	BT1	Shenzhen PKCELL Battery	801735	Adafruit	3898	Li-Polymer Battery, 3.7V @ 400mAh, mates w/ JST PH
2	9	C1, C2, C3, C4, C5, C6, C7, C8, C13	Kemet	C0603C104K4RACTU	Digi-Key	399-1096-1-ND	Capacitor, 0.1uF, 16V, Ceramic, 10%, X7R, 0603
3	1	C9	Kemet	T491A105M016AT	Digi-Key	399-3681-1-ND	Capacitor, 1uF, 16V, Tantalum, 20%, Size A
4	1	C10	Samsung	CL10B103KB8NFNC	Digi-Key	1276-1922-1-ND	Capacitor, 0.01uF, 50V, Ceramic, 10%, X7R, 0603
5	1	C11	Kemet	T491A475M016AT	Digi-Key	399-3699-1-ND	Capacitor, 4.7uF, 16V, Tantalum, 20%, Size A
6	1	C12	Kemet	C0603C224K4RAC7867	Digi-Key	399-5619-1-ND	Capacitor, 0.22uF, 16V, Ceramic, 10%, X7R, 0603
7	1	C14	Kemet	T491A106M016AT	Digi-Key	399-3687-1-ND	Capacitor, 10uF, 16V, Tantalum, 20%, Size A
8	1	L1	TDK	MPZ2012S221AT000	Digi-Key	445-1568-1-ND	Inductor, Ferrite Bead, 220R @ 100MHz, 3A, 0805
9	1	P1	Samtec	SSM-112-L-SV	Mouser	200-SSM112LSV	Connector, Receptacle, 12 position, 0.1" P, Single row, SMD
10	1	P2	Samtec	SSM-116-L-SV	Mouser	200-SSM116LSV	Connector, Receptacle, 16 position, 0.1" P, Single row, SMD
11	2	R2, R3	Panasonic	ERJ-3GEYJ331V	Digi-Key	P330GCT-ND	Resistor, 330 ohm, 5%, 1/10W, 0603
12	3	R4, R5, R6	Panasonic	ERJ-3GEYJ103V	Digi-Key	P10KGCT-ND	Resistor, 10k, 5%, 1/10W, 0603
13	1	R7	Panasonic	ERJ-3GEYJ471V	Digi-Key	P470GCT-ND	Resistor, 470 ohm, 5%, 1/10W, 0603
14	1	SW1	C&K	KSC201JLFS	Digi-Key	401-1756-1-ND	Switch, Pushbutton, SPST-NO, 50mA @ 32V, 160gf, Clear, SMD
15	8	U1, U2, U3, U4, U5, U6, U7, U8	Worldsemi	WS2812B	Adafruit	1655	Module, LED + Shift Register, RGB, Addressable, 5x5mm SMD
16	1	U9	Particle Industries	BRN402KIT	Digi-Key	1878-1026-ND	Module, Cellular Development Platform, PCB
17	1	U10	GlobalTop Technology	FGPMMOPA6H	Adafruit	790	Module, GPS, 66 channel, MTK3339 Chipset, SMD
18	1	U11	STMicroelectronics	LSM303DLHC	N/A	N/A	IC, Accelerometer + Magnetometer, 3-Axis, LGA14
19	1	PCB	Royal Circuits/Advanced Assembly	COMPASS	N/A	N/A	PCB, Fabrication + Assembly