

Quantity	Designator	Footprint	Comment	DESC	VALUE	MAN	DK
1	ANT1	ANTENNA CHIP YAGEO ANT2012LL13R2400A_091316	ANT2012LL13R2400A	2.4GHz Bluetooth, WLAN, Zigbee™ Chip RF Antenna 2.408GHz ~ 2.492GHz 2.72dBi Solder Surface Mount	ANT2012LL13R2400A	Yageo	311-1534-1-ND
9	C1, C2, C3, C4, C17, C18	0402 CAPACITOR_071713	0.1uF	0.10uF ±10% 25V Ceramic Capacitor X7R 0402 (1005 Metric)	GRM155R71E104KE14D	Murata Electronics North America	490-10698-1-ND
3	C5, C6, C7	0402 CAPACITOR_071713	10uF/6.3V	CAP CER 10UF 6.3V X5R 0402	GRJ155R60J106ME11D	Murata Electronics North America	490-13211-1-ND
2	C13, C14	0201 CAPACITOR_091114	DNP	DNP	DNP	N/A	N/A
2	C15, C16	0402 CAPACITOR_071713	4.7uF/6.3V	CAP CER 4.7UF 6.3V X5R 0402	GRM155R60J475ME47D	Murata Electronics North America	490-5915-1-ND
4	C24, C30, C33, C40	0402 CAPACITOR_071713	1uF/10V	CAP CER 1UF 10V X5R 0402, CAP CER 1UF 10V X6S 0402	CL05A105MP5NNNC, GRM155C81A105KA12D	Samsung Electro-Mechanics, Murata Electronics North America	1276-1448-1-ND, 490-12699-1-ND
1	C29	0603 CAPACITOR_071713	10uF/16V	CAP CER 10UF 16V X5R 0603	GRM188R61C106KAALD	Murata Electronics North America	490-10728-1-ND
1	C34	0603 CAPACITOR_071713	22uF/6.3V	CAP CER 22UF 6.3V X5R 0603	CL10A226MQ8NRNC	Samsung Electro-Mechanics	1276-1193-1-ND
1	C42	0402 CAPACITOR_071713	1nF	1000pF ±10% 50V Ceramic Capacitor X7R 0402 (1005 Metric)	GRM155R71H102KA01D	Murata Electronics	490-1303-1-ND
1	C43	0402 CAPACITOR_071713	100pF/50V	100pF ±5% 50V Ceramic Capacitor COG, NP0 0402 (1005 Metric)	CC0402JRNPO9B101	Yageo	311-1024-1-ND
1	C45	0402 CAPACITOR_071713	.01uF/25V	10000pF ±10% 25V Ceramic Capacitor X7R 0402 (1005 Metric)	GRM155R71E103KA01D	Murata Electronics North America	490-1312-1-ND
15	CHARGE, LED1, LED2, L	LED LUMEX SML-LX0201NWD-TR_031819	SML-LX0201NWD-TR	LED WHITE NEUTRAL INGAN 2SMD	SML-LX0201NWD-TR	Lumex Opto/Components Inc.	67-2281-1-ND
2	D1, D2	SOD923_042017	NSR0620P2T5G	DIODE SCHOTTKY 20V 500MA SOD923	NSR0620P2T5G	ON Semiconductor	NSR0620P2T5GOSCT-ND
1	D3	SD103AWS-TP	SD103AWS-TP	DIODE SCHOTTKY 40V 350MA SOD323	SD103AWS-TP	Micro Commercial Co	SD103AWS-TPMSCT-ND
1	J1	USB MIRC0 VERT MOLEX 1051330011_031919	USB 1051330011	CONN RCPT USB2.0 MICRO B SMD	1051330011	Molex	WM10134CT-ND
1	J3	1X2 HEADER_022205	DNP	DNP	DNP	N/A	N/A
1	M1	MOTOR VIBRATION SZJK 20150708100	MOTOR SZJK 20150708100	VIBRATION MOTOR CYL SMD	20150708100	SZJK	N/A
1	Q1	SOT883 OR SC101_021517	RV2C010UNT2L	MOSFET N-CH 20V 1A VML1006	RV2C010UNT2L	Rohm Semiconductor	RV2C010UNT2LCT-ND
1	Q2	MUN5214DW1T1G	MUN5214DW1T1G	TRANS 2NPN PREBIAS 0.25W SOT363	MUN5214DW1T1G	ON Semiconductor	MUN5214DW1T1GOSCT-ND
1	Q3	LP0404N3T5G	LP0404N3T5G	P Channel 20V 1.4A 1.2V @ 250uA 480mΩ @ 780mA 4.5V SOT-883 MOSFET RoHS	LP0404N3T5G	Leshan Radio	N/A
4	R1, R3, R4, R5	0402 RESISTOR_071713	10K	RES SMD 10K OHM 1% 1/16W 0402	RC0402FR-0710KL	Yageo	311-10.0KLRCT-ND
6	R2, R8, R9, R10, R23	0402 RESISTOR_071713	100K	100k Ohm ±1% 0.1W, 1/10W Chip Resistor 0402 (1005 Metric) Automotive AEC-Q200 Thick Film	ERJ-2RKF1003X	Panasonic Electronic Components	P100KLCT-ND
1	R6	0201 RESISTOR_091114	0 Ohm	RES SMD 0 OHM JUMPER 1/20W 0201	RC0201JR-070RL	Yageo	311-0.0NCT-ND
1	R7	0402 RESISTOR_071713	2K	RES SMD 2K OHM 1% 1/16W 0402	RC0402FR-072KL	Yageo	311-2KLRCT-ND
1	R14	0402 RESISTOR_071713	422K	RES SMD 422K OHM 1% 1/10W 0402	ERJ-2RKF4223X	Panasonic Electronic Components	P422KLCT-ND
1	R15	0402 RESISTOR_071713	68K	RES SMD 68K OHM 1% 1/10W 0402	ERJ-2RKF6802X	Panasonic Electronic Components	P68.0KLCT-ND
1	R16	0402 RESISTOR_071713	160K	RES SMD 160K OHM 1% 1/10W 0402	ERJ-2RKF1603X	Panasonic Electronic Components	P160KLCT-ND
1	SW1	EVQ-P7C01P	EVQ-P7C01P	SWITCH TACTILE SPST-NO 0.05A 12V	EVQ-P7C01P	Panasonic Electronic Components	P16765CT-ND
1	U1	NCP167BMX330TBG	NCP167BMX330TBG	LDO 700 MA ULTRA-LSW NOI	NCP167BMX330TBG	ON Semiconductor	NCP167BMX330TBGOSCT-ND
1	U2	CP2104	CP2104	IC SGL USB-TO-UART BRIDGE 24QFN	CP2104-F03-GMR	Silicon Labs	336-4146-1-ND
2	U3, U4	LPS35HWTR	LPS35HWTR	Pressure Sensor 3.77PSI ~ 18.27PSI (26kPa ~ 126kPa) Absolute 24 b 10-CLGA	LPS35HWTR	STMicroelectronics	497-6706-2-ND
1	U5	QFN32 4MM X 4MM WITH PAD_020617	LP5024RSMR	LED Driver IC 24 Output Linear I°C Dimming 35mA 32-VQFN (4x4)	LP5024RSMR	Texas Instruments	296-50814-1-ND
1	U6	MCP73831T-2ACI_OT	MCP73831T-2ACI/OT	IC CONTROLLER L-HON 4.2V SOT23-5	MCP73831T-2ACI/OT	Microchip Technology	MCP73831T-2ACI/OTCT-ND
1	U7	LY68L6400SLIT	LY68L6400SLIT	SRAM 64Mb (8M x 8) SPI QPI SOP-8_150ml	LY68L6400SLIT	Lyontek Inc.	NA
1	U9	14-LGA	LSM6DSOXTR	INEMO INERTIAL MODULE: 3D ACCELE	LSM6DSOXTR	STMicroelectronics	497-18367-1-ND
1	U10	ESP32-PICO-D4	ESP32-PICO-D4	ESP32 WIFI BLUETOOTH	ESP32-PICO-D4	Espressif Systems	1904-1029-1-ND
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Approved							