

Qty.	RefDes	Value	Description	Size	Part Number	MFR	Link to Part Online
1	U2	BMP180	IC, Digital, Barometric Pressure Sensor	DFN	BMP180	Bosch	
8	C1-2 C8-9 C11 C13 C15-16	100nF	Capacitor, Ceramic, NPO or C0G or X5R***, 10V or higher	0805	GRM21BR71E104KA01L	Murata	http://www.digikey.com/product-detail/en/GRM21BR71E104KA01L/490-1673-1-ND/587412
2	C4 C6	100nF	Capacitor, Ceramic, X7R***, ±10%, 10V or higher	0805	GRM21BR71E104KA01L	Murata	http://www.digikey.com/product-detail/en/GRM21BR71E104KA01L/490-1673-1-ND/587412
1	C5	10nF	Capacitor, Ceramic, X7R***, ±10%, 10V or higher	0805	GRM216R71H103KA01D	Murata	http://www.digikey.com/product-detail/en/GRM216R71H103KA01D/490-1664-1-ND/587472
1	C3	2.2nF	Capacitor, Ceramic, X7R***, ±10%, 50V or higher	0805	C0805C222K5RACTU	Kemet	http://www.digikey.com/product-detail/en/C0805C222K5RACTU/399-1151-1-ND/411426
4	C7 C10 C12 C14	1uF	Capacitor, Tantalum, 10V or higher	Tantalum Type A	TAJA105M020RNJ	AVX Corp.	http://www.digikey.com/product-detail/en/TAJA105M020RNJ/478-5748-1-ND/2136340
1	C17	47uF	Capacitor, Tantalum, 10V or higher	Tantalum Type A	F931A476MAA	Nichicon	http://www.digikey.com/product-detail/en/F931A476MAA/493-5758-1-ND/3317061
0	Y1	32.768 kHz	Clock Oscillator, (do not populate)	2.5X3.2 mm	ECS-327SMO	ECS	http://www.digikey.com/product-detail/en/ECS-327SMO-TR/XC777DKR-ND/740869
1	D1	RED	Light Emitting Diode, 1.7V forward voltage or less	0805	BR1112H-TR	Stanley	http://www.digikey.com/product-detail/en/BR1112H-TR/404-1017-1-ND/428887
1	D2	YELLOW	Light Emitting Diode	0805	APT2012YC	Knightbright	http://www.digikey.com/product-detail/en/APT2012YC/754-1135-1-ND/1747852
4	J1-4	PEC10SAAN	Header, Female, 10-pin, 100mil spacing,	0.100 inch x 10	PPTC101LFBN-RC	Sullins	http://www.digikey.com/product-detail/en/PPTC101LFBN-RC/S7008-ND/810149
2	RF PART1-2	TFM-110-02-SM-D-A-K-TR	Header, SMT 10X2 pin, Shrouded	0.225 x 0.625 inch	TFM-110-02-SM-D-A-K-TR	Samtec	http://www.samtec.com/SuddenService/PublicPD/PD.aspx#ResuIts
1	U4	ISL29023	IC, Integrated Digital Light Sensor with Interrupt	DFN	ISL29023	Intersil	
1	U3	MPU-9150	IC, Nine-Axis MEMS MotionTracking Device	QFN	MPU-9150	InvenSense	
4	R1-2 R4 R9-10	10k	Surface Mount Resistor, 1/10W or higher	0805	RC0805JR-0710KL	Yageo	http://www.digikey.com/product-detail/en/RC0805JR-0710KL/311-10KARCT-ND/731188
1	R6	5.1	Surface Mount Resistor, 1/10W or higher	0805	RC0805JR-075R1L	Yageo	http://www.digikey.com/product-detail/en/RC0805JR-075R1L/311-5.1ARCT-ND/731284
1	R7	100	Surface Mount Resistor, 1/10W or higher	0805	RC0805JR-07100RL	Yageo	http://www.digikey.com/product-detail/en/RC0805JR-07100RL/311-100ARCT-ND/731185
2	R8 R5	0	Surface Mount Resistor, 1/10W or higher	0805	RC0805JR-070RL	Yageo	http://www.digikey.com/product-detail/en/RC0805JR-070RL/311-0.0ARCT-ND/731163
1	R3	499k	Surface Mount Resistor, 1/10W or higher	0805	RC0805FR-07499KL	Yageo	http://www.digikey.com/product-detail/en/RC0805FR-07499KL/311-499KCRCT-ND/730934
2	R11-12	3.3k	Surface Mount Resistor, 1/10W or higher	0805	RC0805JR-073K3L	Yageo	http://www.digikey.com/product-detail/en/RC0805JR-073K3L/311-3.3KARCT-ND/731246
1	U5	SHT21	IC, Humidity and Temperature Sensor	DFN	SHT21	SENSIRION AG	
2	S1-2	7914G	Switch, 1P1T, PB Momentary, 100-mA, SM	0.19 x 0.18 inch	7914G	Bourns	http://www.digikey.com/product-detail/en/7914G-1-000E/7914G-000ECT-ND/158366
1	U1	TMP006AIYZFT	IC, Infrared Thermopile Sensor	WCSP	TMP006YZF	Texas Instruments	
1	U6	TPS75118QPWP	IC, Low Dropout Voltage Regulator, 1.8V, 1.5A	PWP20	TPS75118QPWP	Texas Instruments	

- Notes:
- These assemblies are ESD sensitive, ESD precautions shall be observed.
 - These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 - These assemblies must comply with workmanship standards IPC-A-610 Class 2.
 - Ref designators marked with an asterisk (***) cannot be substituted.
All other components can be substituted with equivalent MFG's components.
- ***A dielectric with a higher thermal range and/or lower capacitance variation is also permitted (e.g. X7R, X9R)
- 5 . Items in read have specific assembly instructions. Please check the comments

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