

Item	Model #	Datasheet link	Distributor	Lead time	Purchase Link	Ordered?	Obtained?	Quantity
Humidity Sensor	HPP845E031R4	https://www.te.com/usa-en/product-HPP845E031R4.datasheet.pdf	Digikey	6 weeks	https://www.digikey.com/en/products/detail/te-connectivity-measurement-specialties/h	yes	no	1
Servo Motor	324	https://cdn-shop.adafruit.com/product-files/324/C140-A+datasheet.jpg	Digikey	4 weeks	https://www.digikey.com/en/products/detail/adafruit-industries-llc/324/5022791	yes	no	1
Thermal camera	MLX90640	https://cdn.sparkfun.com/assets/7/b/f/2/d/MLX90640-Datasheet-Melexis.pdf	Digikey	5 weeks	https://www.digikey.com/en/products/detail/melexis-technologies-nv/MLX90640ESF-E	yes	no	1
Motor Driver	DRV8825	https://www.ti.com/general/docs/suppproductinfo.tsp?distId=10&gotoUrl=https%3A%2F%2Fv	Digikey	2 weeks	https://www.digikey.com/en/products/detail/texas-instruments/DRV8825PWPR/26959	yes	no	1
Voltage, Step-Down Switching Regulator	LM2575D2T-3.3R4G	https://www.dropbox.com/scl/fi/7xrydyjs0rpnmti05mkna/LM2575D2T-005.PDF?rlkey=5vt9rnf	Digikey	14 weeks	https://www.digikey.com/en/products/detail/onsemi/LM2575D2T-3-3R4G/1476688	yes	no	2-10
4.7kΩ resistor	RC0402JR-074K7L	https://www.yageogroup.com/content/datasheet/asset/file/PYU-RC_GROUP_51_ROHS_L	Digikey	18 weeks	https://www.digikey.com/en/products/detail/yageo/RC0402JR-074K7L/726477	no	no	25
surface mount headerpins	SSW-112-22-F-S-VS	https://mm.digikey.com/Volume0/opasdata/d220001/medias/docus/6129/ssw-1xx-22-xxx-x-vs	Digikey	4 weeks	https://www.digikey.com/en/products/detail/samtec-inc/SSW-112-22-F-S-VS/7893475	no	no	4
0.1 uF capacitor	CL05B104KP5NNNC	https://mm.digikey.com/Volume0/opasdata/d220001/medias/docus/609/CL05B104KP5NNNC	Digikey	31 weeks	https://www.digikey.com/en/products/detail/samsung-electro-mechanics/CL05B104Kf	no	no	10
1 uF capacitor	CL10B105KP8NNNC	https://mm.digikey.com/Volume0/opasdata/d220001/medias/docus/3584/CL10B105KP8NNNC	Digikey	31 weeks	https://www.digikey.com/en/products/detail/samsung-electro-mechanics/CL10B105Kf	no	no	10
DIODE	PMEG4010BEA,115	https://assets.nexperia.com/documents/data-sheet/PMEG4010BEA.pdf	Digikey	10 weeks	https://www.digikey.com/en/products/detail/nexperia-usa-inc/PMEG4010BEA,115/253	no	no	10
100 uF capacitor	GRM31CR60G107MEA	https://search.murata.co.jp/Ceramy/image/img/A01X/G101/ENG/GRM31CR60G107MEA8-0	Digikey	12 weeks	https://www.digikey.com/en/products/detail/murata-electronics/GRM31CR60G107ME	no	no	10
330 uF capacitor	GRM32ER60E337ME05	https://search.murata.co.jp/Ceramy/image/img/A01X/G101/ENG/GRM32ER60E337ME05-01	Digikey	12 weeks	https://www.digikey.com/en/products/detail/murata-electronics/GRM32ER60E337ME	no	no	10
330 UH Inductor	IFDC5050HZER331M	IFDC-5050HZ Shielded SMD Power Inductor	Digikey	14 weeks	https://www.digikey.com/en/products/detail/vishay-dale/IFDC5050HZER331M/224751	no	no	10
CAP ALUM 100UF 20% 50V SI	UWT1H101MNL1GS	https://www.nichicon.co.jp/english/series_items/catalog_pdf/e-uw1.pdf	Digikey	21 weeks	https://www.digikey.com/en/products/detail/nichicon/UWT1H101MNL1GS/589967	no	no	2
CAP CER 0.1UF 35V X5R 0201	GRM033R6YA104KE14	https://search.murata.co.jp/Ceramy/image/img/A01X/G101/ENG/GRM033R6YA104KE14-01	Digikey	12 weeks	https://www.digikey.com/en/products/detail/murata-electronics/GRM033R6YA104KE1	no	no	10
CAP 0.01uF	GRM033R6YAME14D	https://search.murata.co.jp/Ceramy/image/img/A01X/G101/ENG/GRM033R6YA104ME14-01	Digikey	12 weeks	https://www.digikey.com/en/products/detail/murata-electronics/GRM033R6YA104ME1	no	no	2
1Ω	CRM2010-FW-1R00ELF	https://www.bourns.com/docs/Product-Datasheets/CRM0805_1206_2010.pdf	Digikey	23 weeks	https://www.digikey.com/en/products/detail/bourns-inc/CRM2010-FW-1R00ELF/1635	no	no	5
8.2KΩ	ERJ-3EKF8201V	https://industrial.panasonic.com/cdbs/www-data/pdf/RDA0000/AOA0000C304.pdf	Digikey	12 weeks	https://www.digikey.com/en/products/detail/panasonic-electronic-components/ERJ-3E	no	no	2
10kΩ	RC0603FR-0710KL	https://www.yageogroup.com/content/datasheet/asset/file/PYU-RC_GROUP_51_ROHS_L	Digikey	18 weeks	https://www.digikey.com/en/products/detail/yageo/RC0603FR-0710KL/726880	no	no	10
100Ω	ERJ-2RKF1000X	https://industrial.panasonic.com/cdbs/www-data/pdf/RDA0000/AOA0000C304.pdf	Digikey	12 weeks	https://www.digikey.com/en/products/detail/panasonic-electronic-components/ERJ-2F	no	no	5
Terminal Block 4-pin	OSTTC040162	http://www.on-shore.com/wp-content/uploads/OSTTCX0162.pdf	Digikey	8 weeks	https://www.digikey.com/en/products/detail/on-shore-technology-inc/OSTTC040162/6	no	no	1
Terminal Block 2-pin	691137710002	https://www.we-online.com/components/products/datasheet/691137710002.pdf	Digikey	19 weeks	https://www.digikey.com/en/products/detail/w%C3%BCrth-elektronik/691137710002/6	no	no	1
TVS Diode	SMBJ24A	https://www.littelfuse.com/assetdocs/tvs-diodes-smbj-series-datasheet?assetguid=ba555e99	Digikey	11 weeks	https://www.digikey.com/en/products/detail/littelfuse-inc/SMBJ24A/285994	no	no	5
Schottky Diode	SS34	https://www.onsemi.com/download/data-sheet/pdf/ss34-d.pdf	Digikey	10 weeks	https://www.digikey.com/en/products/detail/onsemi/SS34/1052384	no	no	5
12V 5.2A Power Supply	KBT12-52A-01	https://www.kbt18650battery.com/products/kbt-12v-5200mah-rechargeable-li-ion-battery-bar	Amazon	1 week	https://www.amazon.com/KBT-5200mAh-Rechargeable-Replacement-Compatible/dp/	no	no	1