

ID	Reference	Footprint	Qty	Value	Manufacturer	Partnumber	Octopartnum	Datasheet
1	C1,C2	C_0805	2	12pF	Walsin Technology	Cc0805N120J500CT	22593714	<a href="http://www.passivecomponent.com/indexsea/ASC_General_Purpose.pdf">http://www.passivecomponent.com/indexsea/ASC_General_Purpose.pdf</a>
2	C3,C4,C7,C10,C12,C13	C_0805	16	100nF	Walsin Technology	CcC0805C104M5UACTU	97399	<a href="http://www.passivecomponent.com/indexsea/ASC_General_Purpose.pdf">http://www.passivecomponent.com/indexsea/ASC_General_Purpose.pdf</a>
3	C5,C6,C17,C31	C_0805	4	2.2uF	Samsung Electro-Mec	CL21B225KPFNNNE	9291904	<a href="http://www.samsungsem.com/global/support/product-search/mlcc/_icsFiles/afieldfile/2018/07/24/CL21B225KPFN">http://www.samsungsem.com/global/support/product-search/mlcc/_icsFiles/afieldfile/2018/07/24/CL21B225KPFN</a>
4	C8,C9,C11,C19,C21,C22	C_0805	6	1uF	Yageo Corporation	CC0805ZRY5V7BB105	42244655	<a href="http://www.yageo.com/documents/recent/UPY-GPHC_Y5V_6.3V-to-50V_8.pdf">http://www.yageo.com/documents/recent/UPY-GPHC_Y5V_6.3V-to-50V_8.pdf</a>
5A	C27	C_1206	1	47nF	Kemet Electronics	Coic1206C473G1GECTU	91312357	<a href="https://content.kemet.com/datasheets/KEM_C1091_C0G_ESD.pdf">https://content.kemet.com/datasheets/KEM_C1091_C0G_ESD.pdf</a>
5B	C27	C_0805	1	47nF	Kemet Electronics	Coic0805C473M3GECTU	91308838	<a href="https://content.kemet.com/datasheets/KEM_C1091_C0G_ESD.pdf">https://content.kemet.com/datasheets/KEM_C1091_C0G_ESD.pdf</a>
6	C28,C29	C_0805	2	4.3pF	Yageo Corporation	CC0805CRNPO9BN4R3	71334516	<a href="https://www.yageo.com/documents/recent/UPY-GP_NP0_16V-to-50V_16.pdf">https://www.yageo.com/documents/recent/UPY-GP_NP0_16V-to-50V_16.pdf</a>
7	C32,C34,C35	C_0805	3	4.7uF	Yageo Corporation	CC0805ZKY5V7BB475	9291925	<a href="http://www.yageo.com/documents/recent/UPY-GPHC_Y5V_6.3V-to-50V_8.pdf">http://www.yageo.com/documents/recent/UPY-GPHC_Y5V_6.3V-to-50V_8.pdf</a>
8	R1,R7,R10	R_0805	3	10K	Stackpole Electronics	RMCF0805FT10K0	19213827	<a href="https://www.seielect.com/Catalog/SEI-RMCF_RMCP.pdf">https://www.seielect.com/Catalog/SEI-RMCF_RMCP.pdf</a>
9	R38	R_0805	1	100K	Yageo Corporation	RC0805FR-07100KL	40025548	<a href="http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf</a>
10	R2,R3,R15,R32	R_0805	4	150	Yageo Corporation	RC0805FR-07150RL	39817765	<a href="http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf</a>
11	R4,R16	R_0805	2	390K	Yageo Corporation	RC0805JR-07390KL	40025588	<a href="http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf</a>
12	R5,R6	R_0805	2	3.9K	Yageo Corporation	RC0805JR-073K9L	40953509	<a href="http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf</a>
13	R8	R_0805	1	1.5K	Yageo Corporation	RC0805FR-071K5L	55458513	<a href="http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf</a>
14	R9,R11	R_0805	2	22	Yageo Corporation	RC0805FR-0722RL	41204806	<a href="http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf</a>
15	R12	R_0805	1	12K	Yageo Corporation	RC0805FR-0712KL	40025549	<a href="http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf</a>
16	R13	R_0805	1	22K	Yageo Corporation	RC0805FR-0722KL	40025558	<a href="http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf</a>
17	R14	R_0805	1	100	Yageo Corporation	RC0805JR-07100RL	39806595	<a href="http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf</a>
18	R31	R_0805	1	1K	Yageo Corporation	RC0805FR-071KL	40025555	<a href="http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf</a>
19	R33,R34	R_0805	2	5.1K	Yageo Corporation	RC0805FR-075K1L	1197477	<a href="http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf">http://www.yageo.com/documents/recent/PYu-RC0805_51_RoHS_L_v5.pdf</a>
20	R35,R36,R39	R_0805	3	510	Yageo Corporation	RC0805FR-07510RL	1169945	<a href="http://www.yageo.com/documents/recent/PYu-RC_Group_51_RoHS_L_10.pdf">http://www.yageo.com/documents/recent/PYu-RC_Group_51_RoHS_L_10.pdf</a>
21	R17	R_0805	1	2K	Stackpole Electronics	RMCF0805JT2K00	19214536	<a href="https://www.seielect.com/Catalog/SEI-RMCF_RMCP.pdf">https://www.seielect.com/Catalog/SEI-RMCF_RMCP.pdf</a>
22	R18	R_0805	1	470	Vishay Intertechnology	CRCW0805470RFKEAC	23798678	<a href="https://www.vishay.com/docs/28773/crcwce3.pdf">https://www.vishay.com/docs/28773/crcwce3.pdf</a>
23	F1	R_0805	1	PTC	Bourns, Incorporated	MF-PSMF020X-2	7483437	<a href="https://www.bourns.com/docs/Product-Datasheets/mfpsmf.pdf">https://www.bourns.com/docs/Product-Datasheets/mfpsmf.pdf</a>
24	D2,D3,D4,D7	D_SOD-123	4	D_Schottky	Nexperia BV	PMEG3010EGW	77016650	<a href="https://assets.nexperia.com/documents/data-sheet/PMEG3010EGW.pdf">https://assets.nexperia.com/documents/data-sheet/PMEG3010EGW.pdf</a>
25	D1	LED_0805	1	YELLOW	Dialight PLC	5990140007F	92690021	<a href="http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf">http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf</a>
26A	D5	LED_0805	1	RED	Dialight PLC	5990110007F	92690018	<a href="http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf">http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf</a>
26B	D6	LED_0805	1	GREEN	Dialight PLC	5990181007F	92690023	<a href="http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf">http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf</a>
27	D6	LED_0805	1	BLUE	Dialight PLC	5990191007F	92690024	<a href="http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf">http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf</a>
28	D8	LED_0805	1	WHITE	Dialight PLC	597-6901-607F	8191145	<a href="http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/SMT_selector_guide.pdf">http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/SMT_selector_guide.pdf</a>
29	D9	LED_0805	1	BEIGE	Dialight PLC	5990181007F	92690023	<a href="http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf">http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf</a>
30	Q1	SOT-23	1	MOSFET	Diodes, Incorporated	DMG2302UK-7	73850182	<a href="https://www.diodes.com/assets/Datasheets/DMG2302UK.pdf">https://www.diodes.com/assets/Datasheets/DMG2302UK.pdf</a>
31	U1	LQFP-64_10x10mm	1	STM32F405RGTx	STMicroelectronics N.	STM32F405RGT6	20570101	<a href="https://www.st.com/resource/en/datasheet/stm32f405og.pdf">https://www.st.com/resource/en/datasheet/stm32f405og.pdf</a>
32	U2	SOT-23	1	LN6206P33M	Shanghai Nanlin Elect	LN6206P332MR-G	0	<a href="http://www.natlinear.com/uploadfiles/2014/LN/LN6206_E.pdf">http://www.natlinear.com/uploadfiles/2014/LN/LN6206_E.pdf</a>
33	U3	DFN-8-1EP_2x2mm	1	ATECC608A	Microchip Technology	ATECC608A-MAHDA-S	87693656	<a href="https://ww1.microchip.com/downloads/en/DeviceDoc/40001977A.pdf">https://ww1.microchip.com/downloads/en/DeviceDoc/40001977A.pdf</a>
34	U4	DFN-8-1EP_2x2mm	1	ATAES132A	Microchip Technology	ATAES132A-MAHER-T	77759550	<a href="https://ww1.microchip.com/downloads/en/DeviceDoc/ATAES132A-Data-Sheet-40002023A.pdf">https://ww1.microchip.com/downloads/en/DeviceDoc/ATAES132A-Data-Sheet-40002023A.pdf</a>
35	U5	ChipLED-6_2x2mm	1	LTR303ALS	Lite-On Technology	CLTR-303ALS-01	30504685	<a href="https://optoelectronics.liteon.com/upload/download/DS86-2013-0004/LTR-303ALS-01_DS_V1.pdf">https://optoelectronics.liteon.com/upload/download/DS86-2013-0004/LTR-303ALS-01_DS_V1.pdf</a>
36	U6	LGA-12_2x2mm	1	BMA280	Bosch Sensortec GmbH	BMA280	22219870	<a href="https://ae-bst.resource.bosch.com/media/_tech/media/datasheets/BST-BMA280-DS000.pdf">https://ae-bst.resource.bosch.com/media/_tech/media/datasheets/BST-BMA280-DS000.pdf</a>
37	U7	SOT-23-5	1	MCP73831-2-OT	Microchip Technology	MCP73831T-2ACIOT	422778	<a href="https://www.microchip.com/downloads/en/DeviceDoc/20001984g.pdf">https://www.microchip.com/downloads/en/DeviceDoc/20001984g.pdf</a>
38A	Y1	CSMD-4pin_5.0mm	1	ABM3BCrystal	Abracon, LLC	ABM3B1-32.000MHZ-10-T	91025380	<a href="https://abracon.com/Resonators/abm3b.pdf">https://abracon.com/Resonators/abm3b.pdf</a>
38B	Y1	CSMD-4pin_5.0mm	1	ABM3BCrystal	Abracon, LLC	ABM3B-32.000MHZ-B2-T	315528	<a href="https://abracon.com/Resonators/abm3b.pdf">https://abracon.com/Resonators/abm3b.pdf</a>
39	Y2	CSMD-4pin_8.0mm	1	ABS25Crystal	Abracon, LLC	ABS25-32.768KHZ-6-1-T	12676622	<a href="https://abracon.com/Resonators/abs25.pdf">https://abracon.com/Resonators/abs25.pdf</a>
40	SW1,SW2	SW_SPST_PTS	2	SW_SPST	C&K Components, Inc	PTS645SH50SMTR92LF	55397151	<a href="https://www.ckswitches.com/media/1471/pts645.pdf">https://www.ckswitches.com/media/1471/pts645.pdf</a>
41	SW3	SW_SPST_Det	1	SW_SPST	Panasonic Electronic	ESE-11MV1T	15873161	<a href="https://industrial.panasonic.com/cdbs/www-data/pdf/ATB0000/ATB0000C14.pdf">https://industrial.panasonic.com/cdbs/www-data/pdf/ATB0000/ATB0000C14.pdf</a>
42	SW4	SW_SPDT_CLS	1	SW_SPDT	Nidec Copal Electronic	CL-SB-12A-01T	77011252	<a href="https://www.nidec-copal-electronics.com/e/catalog/switch/cl-sb.pdf">https://www.nidec-copal-electronics.com/e/catalog/switch/cl-sb.pdf</a>
43	BT1	Keystone_1058	1	Battery_Cell	Keystone Electronics	1058TR	51988716	<a href="https://www.keyelco.com/userAssets/file/M65p4.pdf">https://www.keyelco.com/userAssets/file/M65p4.pdf</a>
44A	DS1	Eastrising_ER	1	SSD1306	East Rising Electronic	ER-CON30HT-1	0	<a href="https://www.buydisplay.com/download/connector/ER-CON30HT-1.pdf">https://www.buydisplay.com/download/connector/ER-CON30HT-1.pdf</a>
44B	DS1	SFV30R-4STBE	1	SSD1306	Amphenol Corporation	SFV30R-4STBE1HLF	90462182	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/flex/flexconnectors_050mm.pdf">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/flex/flexconnectors_050mm.pdf</a>
45	DS2	Eastrising_ER	1	SSD1306	East Rising Electronic	ER-CON24HT-1	0	<a href="https://www.buydisplay.com/download/connector/ER-CON24HT-1.pdf">https://www.buydisplay.com/download/connector/ER-CON24HT-1.pdf</a>
46	J5	USB_C_Recept	1	USB_C_Receptacle	Amphenol Corporation	12401610E4#2A	90335555	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_type_c.pdf">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_type_c.pdf</a>
47	J3	JST_PH_B2B-F	1	CONN_01X02	JST Manufacturing Inc	B2B-PH-K-S(LF)(SN)	248868	<a href="http://www.jst-mfg.com/product/pdf/eng/ePH.pdf">http://www.jst-mfg.com/product/pdf/eng/ePH.pdf</a>
48	J1,J10	Pin_Header_Str	2	CONN_HEAD	Amphenol Corporation	68001-420HLF	90352073	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf">https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf</a>
49	J8	Pin_Header_Str	1	CONN_SOUTH	Amphenol Corporation	68000-414HLF	90618608	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf">https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf</a>
50	JP1	Pin_Header_An	1	Jumper	Amphenol Corporation	68001-402HLF	90333712	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf">https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf</a>
51	TP1	Pin_Header_An	1	GLITCH	Amphenol Corporation	68001-402HLF	90333712	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf">https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf</a>
52	Z1	Potting_Compo	1	RTV_103	MG Chemicals	RTV103		<a href="https://www.mgchemicals.com/products/rtv-silicones/adhesives-/sealants/rtv103/">https://www.mgchemicals.com/products/rtv-silicones/adhesives-/sealants/rtv103/</a>
53	Z2	Conformal_Coa	1	Sylgard_184	Dow Chemical	SYLGARD184		<a href="https://consumer.dow.com/content/dam/dcc/documents/en-us/productdatasheet/11/11-31/11-3184-sylgard-184-elastomer.pdf">https://consumer.dow.com/content/dam/dcc/documents/en-us/productdatasheet/11/11-31/11-3184-sylgard-184-elastomer.pdf</a>