

ID	Reference	Footprint	Qty	Value	Manufacturer	Partnumber	Octopartnum	Datasheet
1	C1,C2	C_0805	2	12pF	Walsin Technology	Cc0805N120J500CT	22593714	http://www.passivecomponent.com/indexsea/ASC_General_Purpose.pdf
2	C3,C4,C7,C10,C12,C13	C_0805	16	100nF	Walsin Technology	CcC0805C104M5UACTU	97399	http://www.passivecomponent.com/indexsea/ASC_General_Purpose.pdf
3	C5,C6,C17	C_0805	3	2.2uF	Samsung Electro-Mec	CL21B225KPFNNNE	9291904	http://www.samsungsem.com/global/support/product-search/mlcc/___icsFiles/afieldfile/2018/07/24/CL21B225KPFN
4	C8,C9,C11,C19,C21	C_0805	5	1uF	Yageo Corporation	CC0805ZRY5V7BB105	42244655	http://www.yageo.com/documents/recent/UPY-GPHC_Y5V_6.3V-to-50V_8.pdf
5A	C27	C_1206	1	47nF	Kemet Electronics	CoC1206C473G1GECTU	91312357	https://content.kemet.com/datasheets/KEM_C1091_C0G_ESD.pdf
5B	C27	C_0805	1	47nF	Kemet Electronics	CoC0805C473M3GECTU	91308838	https://content.kemet.com/datasheets/KEM_C1091_C0G_ESD.pdf
6	C28,C29	C_0805	2	4.3pF	Yageo Corporation	CC0805CRNPO9BN4R3	71334516	https://www.yageo.com/documents/recent/UPY-GP_NP0_16V-to-50V_16.pdf
7	R1,R7,R10	R_0805	3	10K	Stackpole Electronics	RMCF0805FT10K0	19213827	https://www.seielect.com/Catalog/SEI-RMCF_RMCP.pdf
8	R38	R_0805	1	100K	Yageo Corporation	RC0805FR-07100KL	40025548	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
9	R2,R3,R15,R32	R_0805	4	150	Yageo Corporation	RC0805FR-07150RL	39817765	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
10	R4	R_0805	1	390K	Yageo Corporation	RC0805JR-07390KL	40025588	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
11	R5,R6	R_0805	2	3.9K	Yageo Corporation	RC0805JR-073K9L	40953509	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
12	R8	R_0805	1	1.5K	Yageo Corporation	RC0805FR-071K5L	55458513	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
13	R9,R11	R_0805	2	22	Yageo Corporation	RC0805FR-0722RL	41204806	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
14	R12	R_0805	1	12K	Yageo Corporation	RC0805FR-0712KL	40025549	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
15	R13	R_0805	1	22K	Yageo Corporation	RC0805FR-0722KL	40025558	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
16	R14	R_0805	1	100	Yageo Corporation	RC0805JR-07100RL	39806595	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
17	R31	R_0805	1	1K	Yageo Corporation	RC0805FR-071KL	40025555	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
18	R33,R34	R_0805	2	5.1K	Yageo Corporation	RC0805FR-075K1L	1197477	http://www.yageo.com/documents/recent/Pyu-RC0805_51_RoHS_L_v5.pdf
19	R35,R36,R39	R_0805	3	510	Yageo Corporation	RC0805FR-07510RL	1169945	http://www.yageo.com/documents/recent/Pyu-RC_Group_51_RoHS_L_10.pdf
20	F1	R_0805	1	PTC	Bourns, Incorporated	MF-PSMF020X-2	7483437	https://www.bourns.com/docs/Product-Datasheets/mfpsmf.pdf
21	D2,D3,D4,D7	D_SOD-123	4	D_Schottky	Nexperia BV	PMEG3010EGW	77016650	https://assets.nexperia.com/documents/data-sheet/PMEG3010EGW.pdf
22	D1	LED_0805	1	YELLOW	Dialight PLC	5990140007F	92690021	http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf
23A	D5	LED_0805	1	RED	Dialight PLC	5990110007F	92690018	http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf
24A	D6	LED_0805	1	GREEN	Dialight PLC	5990181007F	92690023	http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf
24B	D6	LED_0805	1	BLUE	Dialight PLC	5990191007F	92690024	http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/CBI_SMD_new/Dialight_SMD_new/Dialight_SMD_new.pdf
25	D8	LED_0805	1	WHITE	Dialight PLC	597-6901-607F	8191145	http://www.dialightsignalsandcomponents.com/Assets/Brochures_And_Catalogs/Indication/SMT_selector_guide.pdf
26	Q1	SOT-23	1	MOSFET	Diodes, Incorporated	DMG2302UK-7	73850182	https://www.diodes.com/assets/Datasheets/DMG2302UK.pdf
27	U1	LQFP-64_10x10mm	1	STM32F405RGTx	STMicroelectronics N.	STM32F405RGT6	20570101	https://www.st.com/resource/en/datasheet/stm32f405og.pdf
28	U2	SOT-23	1	LN6206P33M	Shanghai Nanlin Elect	LN6206P332MR-G	0	http://www.natlinear.com/uploadfiles/2014/LN/LN6206_E.pdf
29	U3	DFN-8-1EP_2x5mm	1	ATECC608A	Microchip Technology	ATECC608A-MAHDA-S	87693656	https://ww1.microchip.com/downloads/en/DeviceDoc/40001977A.pdf
30	U4	DFN-8-1EP_2x5mm	1	ATAES132A	Microchip Technology	ATAES132A-MAHER-T	77759550	https://ww1.microchip.com/downloads/en/DeviceDoc/ATAES132A-Data-Sheet-40002023A.pdf
31	U5	ChipLED-6_2x3mm	1	LTR303ALS	Lite-On Technology C	LTR-303ALS-01	30504685	https://optoelectronics.liteon.com/upload/download/DS86-2013-0004/LTR-303ALS-01_DS_V1.pdf
32A	U6	LGA-12_2x2mm	1	BMA280	Bosch Sensortec GmbH	BMA280	22219870	https://ae-bst.resource.bosch.com/media/_tech/media/datasheets/BST-BMA280-DS000.pdf
33A	Y1	CSMD-4pin_5.0mm	1	ABM3BCrystal	Abracon, LLC	ABM3B1-32.000MHZ-10-0	91025380	https://abracon.com/Resonators/abm3b.pdf
33B	Y1	CSMD-4pin_5.0mm	1	ABM3BCrystal	Abracon, LLC	ABM3B-32.000MHZ-B2-T	315528	https://abracon.com/Resonators/abm3b.pdf
34	Y2	CSMD-4pin_8.0mm	1	ABS25Crystal	Abracon, LLC	ABS25-32.768KHZ-6-1-T	12676622	https://abracon.com/Resonators/abs25.pdf
35	SW1,SW2	SW_SPST_PTS	2	SW_SPST	C&K Components, Inc	PTS645SH50SMTR92LF	55397151	https://www.ckswitches.com/media/1471/pts645.pdf
36	SW3	SW_SPST_Detail	1	SW_SPST	Panasonic Electronic	ESE-11MV1T	15873161	https://industrial.panasonic.com/cdbs/www-data/pdf/ATB0000/ATB0000C14.pdf
37	SW4	SW_SPDT_CLS	1	SW_SPDT	Nidec Copal Electronic	CL-SB-12A-01T	77011252	https://www.nidec-copal-electronics.com/e/catalog/switch/cl-sb.pdf
38	BT1	Keystone_1058	1	Battery_Cell	Keystone Electronics	1058TR	51988716	https://www.keyelco.com/userAssets/file/M65p4.pdf
39A	DS1	Eastrising_ER	1	SSD1306	East Rising Electronic	ER-CON30HT-1	0	https://www.buydisplay.com/download/connector/ER-CON30HT-1.pdf
39B	DS1	SFV30R-4STBE	1	SSD1306	Amphenol Corporation	SFV30R-4STBE1HLF	90462182	https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/flex/flexconnectors_050mm.pdf
40	J5	USB_C_Receptacle	1	USB_C_Receptacle	Amphenol Corporation	12401610E4#2A	90335555	https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_type_c.pdf
41	J3	JST_PH_B2B-F	1	CONN_01X02	JST Manufacturing Inc	B2B-PH-K-S(LF)(SN)	248868	http://www.jst-mfg.com/product/pdf/eng/ePH.pdf
42	J1,J10	Pin_Header_Str	2	CONN_HEAD	Amphenol Corporation	68001-420HLF	90352073	https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf
43	J8	Pin_Header_Str	1	CONN_SOUTH	Amphenol Corporation	68000-414HLF	90618608	https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf
44	JP1	Pin_Header_An	1	Jumper	Amphenol Corporation	68001-402HLF	90333712	https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/68000.pdf
45	TP1	Pin_Header_An	1	GLITCH				
46	Z1	Potting_Compo	1	RTV_103	MG Chemicals	RTV103		https://www.mgchemicals.com/products/rtv-silicones/adhesives/-/sealants/rtv103/
47	Z2	Conformal_Coat	1	Sylgard_184	Dow Chemical	SYLGARD184		https://consumer.dow.com/content/dam/dcc/documents/en-us/productdatasheet/11/11-31/11-3184-sylgard-184-ela