

Qty	Part Reference	Part Number	MFR	Description	Footprint	Notes
11	C1,C2,C6,C10,C11,C12,C13,C14,C15,C16,C17	JMK105C6105KV-F	Taiyo Yuden	CAP CER 1UF 6.3V 10% X6S 0402	0402	
5	C3,C4,C5,C7,C9	EMK105B7104KV-F	Taiyo Yuden	CAP CER 0.1UF 16V 10% X7R 0402	0402	
1	C8	JMK105B7224KV-F	Taiyo Yuden	CAP CER 0.22UF 6.3V 10% X7R 0402	0402	
38	D1-D38	1N4148WFL-G3-08	Vishay	DIODE GP 75V 150MA SOD123FL	SOT123	
1	D77	LO Q976-PS-25	Osram	LED CHIPLEDED 605NM ORN 0603 SMD	0603	
1	LCD1	NHD-C12832A1Z-FS(RGB)-FBW-3	Newhaven Display Intl	LCD COG GRAPH 128X32 WH TRANSFL	NHD-C12832A1Z	
1	P2	DX07B024XJ1R1300	JAE Electronics	HYBRID SMT/THRU-HOLE MID MNT - USB TYPE C	USBC	
1	P4	USB1070	Global Connector Technolog	USB, 3.0 TYPE A, RECETPACLE, SMT	USB3_AFEMALE	
1	Q1	TC1264-3.3VDB	Microchip	IC REG LDO 3.3V 0.8A SOT223-3	SOT-223	
3	R1,R2,R13	RK73B1ETTP330J	KOA Speer	Thick Film Resistors - SMD 1/16watts 33ohms 5%	0402	
1	R11	RK73B1ETTP102J	KOA Speer	Thick Film Resistors - SMD 1/16watts 1Kohms 5%	0402	
1	R12	RK73B1ETTP203J	KOA Speer	Thick Film Resistors - SMD 1/16watts 20Kohms 5%	0402	
3	R3,R4,R5	RK73B1ETTP472J	KOA Speer	Thick Film Resistors - SMD 1/16watt 4.7Kohms 5%	0402	
2	R6,R7	RK73B1ETTP101J	KOA Speer	Thick Film Resistors - SMD 1/16watts 100ohms 5%	0402	
1	R8	RK73B1ETTP104J	KOA Speer	Thick Film Resistors - SMD 1/16watt 100Kohms 5%	0402	
2	R9,R10	RK73H1ETTP66R5F	KOA Speer	Thick Film Resistors - SMD 1/16watt 66.5ohms 1%	0402	
2	R14,R15	RK73B1ETTP512J	KOA Speer	Thick Film Resistors - SMD 1/16watt 5.1Kohms 5%	0402	
1	S39	SKQGAKE010	ALPS	Tactile Switches 50 mAmps at 12 Volts	TACT_5.2x5.2	
1	U1	MK20DX256VLH7	Freescale Semiconductor	IC MCU ARM 256KB FLASH 64LQFP	LQFP64	
1	U2	IS31FL3731C	ISSI	LED Driver Audio Mod 144 Dot LED Driver, SSOP-28	SSOP-28	
1	X1	NX3225SA-16.000MHZ-STD-CSR-	NDK	Crystal 16.0000MHz 15ppm 8pF 50 Ohm -10°C - 75°C Surface Mou	4-SMD, No Lead (DFN, LCC)	CX3225GB16000D0HPQCC or NX3225SA-16.000M-STD-CSR-3 can be substituted.