

















Quantity	Designator	Comment	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
2	C1, C21	10uF 6.3V X5R Ceramic	Murata	GRJ155R60J106ME11D	Mouser	81-GRJ155R60J106ME1D
14	C2, C3, C4, C5, C6, C9, C10, C13, C15, C17, C20, C22, C23, C24	0u1F 16V X7R	Murata	GRM155-R7-1C-104K-A88-D	Mouser	81-GRM155R71C104KA88
2	C7, C8	30pF 50V np0	Yageo	CC0402JRNP09BN300	Mouser	603-CC402JRNP09BN300
5	C11, C12, C14, C16, C19	1uF 25V X5R	TDK	C1005X5R1E105M050BC	Mouser	810-C1005X5R1E105M
1	C18	4.7uF 10V X5R Ceramic	Murata	ZRB15XR61A475KE01D	Mouser	81-ZRB15XR61A475KE1D
106	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D98, D99, D100, D101, D102, D103, D104, D105, D106					
1	E1	EC05E1220202	Alps Electric	EC05E1220202	Mouser	688-EC05E1220202
1	F1	OZCK0050AF2E	Bel	OZCK0050AF2E	Mouser	530-OZCK0050AF2E
3	J1, J2, SW32	SWD header 5 Pin, 2 Pin Header, DELETE			[NoParam], Mouser	[NoParam], 630-ASMB-MTB0-0A3A2
109	LED1, LED2, LED3, LED4, SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW8, SW9, SW10, SW11, SW12, SW13, SW14, SW15, SW16, SW17, SW18, SW19, SW20, SW21, SW22, SW23, SW24, SW25, SW26, SW27, SW28, SW29, SW30, SW31, SW33, SW34, SW35, SW36, SW37, SW38, SW39, SW40, SW41, SW42, SW43, SW44, SW45, SW46, SW47, SW48, SW49, SW50, SW51, SW52, SW53, SW54, SW55, SW56, SW57, SW58, SW59, SW60, SW61, SW62, SW63, SW64, SW65, SW66, SW67, SW68, SW69, SW70, SW71, SW72, SW73, SW74, SW75, SW76, SW77, SW78, SW79, SW80, SW81, SW82, SW83, SW84, SW85, SW86, SW87, SW88, SW89, SW90, SW91, SW92, SW93, SW94, SW95, SW96, SW97, SW98, SW99, SW100, SW101, SW102, SW103, SW104, SW105, SW106					
1	M1	Clickmate 6p male - mech	Molex	502585-0670	Mouser	538-502585-0670
1	M2	Clickmate 6p Fe 600mm	Molex	0151350606	Digi-Key	WM16513-ND
1	OLED1	OLED MONO 128x32	Adafruit Industries	931	Mouser	485-931
19	R1, R24, R34, R35, R39, R45, R46, R47, R48, R49, R50, R51, R52, R54, R55, R57, R58, R59, R60	10K	Yageo	RC0402FR-**10KL	Mouser	603-RC0402FR-0710KL
26	R2, R3, R5, R6, R8, R9, R11, R12, R14, R15, R18, R19, R20, R21, R25, R26, R27, R28, R30, R31, R33, R36, R38, R41, R42, R44	20	Yageo	RC0402FR-0720RL	Mouser	603-RC0402FR-0720RL
13	R4, R7, R10, R13, R16, R17, R22, R23, R29, R32, R37, R40, R43	51	Yageo	RC0402FR-0751RL	Mouser	603-RC0402FR-0751RL
2	R53, R56	5.1K	Vishay Dale	CRCW04025K10JNED	Mouser	71-CRCW0402J-5.1K-E3
2	SW109, SW110	B3U-1000P	Omron	B3U-1000P	Mouser	653-B3U-1000P
1	TVS1	PTR5VVOU2X,215	NXP Semiconductors	PTR5VVOU2X,215	Mouser	771-PTR5VVOU2X-T/R
1	U1	IS31FL3741	ISSI	IS31FL3741-QFLS4-TR	Mouser	870-IS31FL3741QFLS4T
1	U2	STM32F401RE	STMicroelectronics	STM32F401RET6	Mouser	511-STM32F401RET6
1	USB1	USB C	Molex	105455-0101	Mouser	538-105455-0101
1	V1	3.3Vreg	STMicroelectronics	LD1117S33CTR	Digi-Key	497-1241-6-ND
1	XTAL1	ATS08ASM-1E	CTS	ATS08ASM-1E	Mouser	774-ATS08ASM-1E