



Title		
Size A3	Number	Revision
Date: 6-13-2024	Sheet of	
File: D:\Altium\key_pad.SchDoc	Drawn By:	

Line #	Name	Description	Designator	Revision ID	Revision State	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	20pF	±10% 50V Ceramic Capacitor COG, NP0 0805 (2012 Metric)	C1, C2		Not managed		2	KEMET	C0402C200J5GACTU	Volume Production	NetSource Technology	C0402C200J5GACTU	0.05	0.1
	100nF	100nF ±5% 50V Ceramic Capacitor COG, NP0 0805 (2012 Metric)	C3, C4, C5, C6, C7		Not managed		5	KEMET	C0402C104K8PACTU	Volume Production	Newark	78H4791	0.007	0.035
	4.7uF	4.7µF ±10% 50V Ceramic Capacitor X5R 0805 (2012 Metric)	C8		Not managed		1	Murata	GRM21BR61C475KA88L	End of Life	Quest	GRM21BR61C475KA88L	0.2	0.2
	47uF	47uF ±5% 50V Ceramic Capacitor COG, NP0 0805 (2012 Metric)	C9		Not managed		1	KEMET	C1206C476M8PACTU	Volume Production	Semicontronic	C1206C476M8PACTU	0.511	0.511
	1N4148W-7-F	Diode Standard 100V 300mA (DC) Surface Mount SOD-123	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13		Not managed		13	Diodes	1N4148W-7-F	Volume Production	GreenChips	1N4148W-7-F	0.009	0.117
	USB2.0 MINI B	USB - mini B USB 2.0 Receptacle Connector 5 Position Surface Mount, Right Angle	J1		Not managed		1	Hirose	UX60SC-MB-SST(80)	Volume Production				
	KEY PAD	KEY PAD	K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13		Not managed		13							
	LED THD 5mm GREEN		LED1		Not managed		1	Osram Opto	SFH 4554	Unknown	Mouser	720-SFH4554	0.76	0.76
	Header 2	Header, 2-Pin	P1, P2		Not managed		2							
	Header 8	Header, 8-Pin	P3		Not managed		1							
	CRCW0402100RFKED	RES Thick Film, 100Ω, 1%, 0.063W, 100ppm/°C, 0402	R1	CMP-1011-00397-3	New From Design	Up to date	1	Yageo	RC0402FR-07100RL	Volume Production	Newark	98K7495	0.002	0.002
	STM32F103C8T6	ARM® Cortex®-M3 STM32F1 Microcontroller IC 32-Bit 72MHz 64KB (64K x 8) FLASH 48-LQFP (7x7)	U1		Not managed		1	STMicroelectronics	STM32F103C8T6	Volume Production	Utmel Electronic	2381-STM32F103C8T6	1.14	1.14
	AMS1117-3.3	LDO Voltage Regulators 1A, 3.3V	U2	CMP-209535-000001-1	New From Design	Up to date	1	Advanced Monolithic Systems	AMS1117-3.3	Unknown				
	8MHz	SMT Crystal	Y1		Not managed		1	Fox Electronics	FOXSDLF/080-20	Obsolete	Semicontronic	FOXSDLF/080-20	0.335	0.335