

Rotary_USB BOM								
Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C1,C6	2	Samsung	CL21A105KBCLNNC	Capacitor MLCC 1uF+/-10% 50V X5R 0805	0805	SMD	
2	C2,C5,C7,C8,C9	5	Samsung	CL21B104KBCNNWC	Capacitor MLCC 100nF+/-10% 50V X7R 0805	0805	SMD	
3	C3,C4	2	YAGEO	CC0805JRNPO9BN140	14 pF ±5% 50V Ceramic Capacitor C0G, NP0 0805	0805	SMD	
4	J1	1	Sullins	PREC002SAAN-RC	Connector Header Through Hole 2 position 0.1"	2POS	THRU-HOLE	
5	J2,J4	2	Adam Tech	PH1RA-13-UA	CONN HEADER R/A 13POS 2.54MM	13POS	THRU-HOLE	
6	J3	1	XKB Connectivity	U262-161N-4BVC11	3A USB Type-C 3.1 1 260°C SMD 16 Female -40°C~+85°C	SMD	SMD	
7	Y1	1	Abracon LLC	ABM3BAIG-16.000MHZ-12-D3Z-T	CRYSTAL 16.0000MHZ 12PF 5x3.2mm SMD	5x3.2mm	SMD	
8	D1	1	Würth Elektronik	150080VS75000	LED SMD WL-SMCW SMDMono TpVw Waterclr 0805 BrtGrn	0805	SMD	
9	U1	1	Microchip	ATMEGA32U4-AU	IC MCU 8BIT 32KB FLASH 44TQFP	44TQFP	SMD	
10	D2,D3,D4,D5	4	Littelfuse	SP0503BAHT	TVS DIODE 5.5VWM 8.5VC SOT143-4	SOT-143	SMD	
11	F1	1	Bourns	MF-FSMF050X-2	Resettable Fuse - PPTC 6V .5A HD 40A MAX	SMD	SMD	
12	R1	1	Panasonic	ERJ-6GEYJ103V	RES SMD 10K OHM 5% 1/8W 0805	0805	SMD	
13	R2,R3	2	Panasonic	ERJ-6GEYJ512V	RES SMD 5.1K OHM 5% 1/8W 0805	0805	SMD	
14	R4,R5	2	Panasonic	ERJ-6GEYJ220V	RES SMD 22 OHM 5% 1/8W 0805	0805	SMD	
15	R6	1	Panasonic	ERJ-6GEYJ332V	RES SMD 3.3K OHM 5% 1/8W 0805	0805	SMD	