

Source: /Interactive Core Memory Badge v0.1/Interactive Core Memory Badge v0.1.sch  
Date: Saturday, August 10, 2019 at 07:24:35 PM  
Tool: Eeschema (5.1.2-1)  
Generator: kicad.app/Contents/SharedSupport/plugins/bom\_csv\_grouped\_by\_value.py  
Component Count: 88

		Component Cost Per unit - >			\$ 67.33			\$ 65.77			\$ 45.04			\$ 36.88		
		Quantity of Assemblies - >			1			10			100			1000		
Jellybean components from Digi-key					Extended			Extended			Extended			Extended		
Digi-Key Part Number	Manufacturer Description	Quantity	Price					Quantity	Price					Quantity	Price	
MMBT4403LT1GOSCT-ND	ON SEMIC MMBT4403 TRANS PNP 40V 0.6A SOT23	10	0.07350	\$	0.74			10	0.07350	\$	7.35			10	0.03084	\$ 308.40
MMBT4401LT1GOSCT-ND	ON SEMIC MMBT4401 TRANS NPN 40V 0.6A SOT23	11	0.07270	\$	0.80			11	0.07270	\$	8.00			11	0.03049	\$ 335.39
497-1593-1-ND	STMICROE LM393DT IC COMPARATOR LP DUAL 8-SOIC	1	0.28100	\$	0.28			1	0.28100	\$	2.81			1	0.17530	\$ 17.53
401-2002-1-ND	C&K (VA) JS202011 SWITCH SLIDE DPDT 300MA 6V	1	0.46300	\$	0.46			1	0.46300	\$	4.63			1	0.38580	\$ 38.58
507-1815-1-ND	BEL FUSE 0ZCK0100 PTC RESET FUSE 6V 1A 0805	1	0.30400	\$	0.30			1	0.30400	\$	3.04			1	0.25270	\$ 25.27
620-1519-1-ND	ALLEGRO A3214ELH MAGNETIC SWITCH OMNIPOLAR SOT23W	1	1.01900	\$	1.02			1	1.01900	\$	10.19			1	0.68970	\$ 68.97
478-8926-1-ND	AVX CORF TAJR104K CAP TANT 0.1UF 10% 35V 0805	1	0.56100	\$	0.56			1	0.56100	\$	5.61			1	0.38450	\$ 38.45
338-1099-ND	CORNELL MC08CA1C CAP MICA 10PF 0.5PF 100V 0805	1	1.87000	\$	1.87			1	1.87000	\$	18.70			1	1.42800	\$ 142.80
306-1428-1-ND	COTO TEC CT10-1025 SWITCH REED SPST-NO 250MA 100V	0	1.16600	\$	-			0	1.16600	\$	-			0	1.02560	\$ -
P6.8ACT-ND	PANASON ERJ-6GEY RES SMD 6.8 OHM 5% 1/8W 0805	6	0.02490	\$	0.15			6	0.02490	\$	1.49			6	0.01120	\$ 6.72
A126352CT-ND	TE CONNE CRG0805F RES SMD 22 OHM 1% 1/8W 0805	2	0.02100	\$	0.04			2	0.02100	\$	0.42			2	0.00943	\$ 1.89
A129741CT-ND	TE CONNE CRGCQ08 CRGCQ 0805 220R 1%	21	0.02060	\$	0.43			21	0.02060	\$	4.33			21	0.00927	\$ 19.47
RNCP0805FTD10K0CT-ND	STACKPOI RNCP0805 RES 10K OHM 1% 1/4W 0805	3	0.07200	\$	0.22			3	0.07200	\$	2.16			3	0.02770	\$ 8.31
A106057CT-ND	TE CONNE CRG0805F RES SMD 1.5K OHM 1% 1/8W 0805	3	0.05200	\$	0.16			3	0.05200	\$	1.56			3	0.02100	\$ 6.30
A126348CT-ND	TE CONNE CRG0805F RES SMD 1.8K OHM 1% 1/8W 0805	2	0.05200	\$	0.10			2	0.05200	\$	1.04			2	0.02100	\$ 4.20
311-4.70KCRCT-ND	YAGEO (V RC0805FR RES SMD 4.7K OHM 1% 1/8W 0805	5	0.04200	\$	0.21			5	0.04200	\$	2.10			5	0.01700	\$ 8.50
BAT54AW-FDICT-ND	DIODES IN BAT54AW DIODE ARRAY SCHOTTKY 30V SOT323	6	0.22100	\$	1.33			6	0.22100	\$	13.26			6	0.07726	\$ 46.36
BAT54CW-FDICT-ND	DIODES IN BAT54CW DIODE ARRAY SCHOTTKY 30V SOT323	6	0.19400	\$	1.16			6	0.19400	\$	11.64			6	0.06762	\$ 40.57
408-1544-1-ND	SUSUMU ( KRL1220E RES 0.01 OHM 1% 1/2W 0805	1	0.44800	\$	0.45			1	0.44800	\$	4.48			1	0.18820	\$ 18.82
1276-6170-1-ND	SAMSUNG RUT2012F RES 0.1 OHM 1% 1/4W 0805	0	0.25700	\$	-			0	0.25700	\$	-			0	0.10060	\$ -
SAM1008-03-ND	SAMTEC II BCS-103-L CONN RCPT 6POS 0.1 GOLD PCB	1	0.83400	\$	0.83			1	0.83400	\$	8.34			1	0.71910	\$ 71.91
Other components																
	Stylus magnet tip	1	\$ 0.05	\$	0.05			1	\$ 0.05	\$	0.50			1	\$ 0.05	\$ 50.00
	Stylus (3D printed)	1	\$ 1.00	\$	1.00			1	\$ 0.75	\$	7.50			1	\$ 0.50	\$ 50.00
	Chassis (3D printed)	1	\$ 2.00	\$	2.00			1	\$ 1.75	\$	17.50			1	\$ 1.25	\$ 125.00
	Micro_LiPo_Charger	1	\$ 6.95	\$	6.95			1	\$ 6.95	\$	69.50			1	\$ 5.56	\$ 556.00
	Teensy-LC	1	\$ 11.65	\$	11.65			1	\$ 11.65	\$	116.50			1	\$ 10.00	\$ 1,000.00
	LED_Array	1	\$ 26.14	\$	27.20			1	\$ 26.14	\$	261.40			1	\$ 16.00	\$ 1,600.00
	OLED_DISPLAY	1	\$ 5.00	\$	5.00			1	\$ 5.00	\$	50.00			1	\$ 4.00	\$ 400.00
	Cores	64	\$ 0.01	\$	0.32			64	\$ 0.01	\$	3.20			64	\$ 0.01	\$ 34.75
	Magnet wire (inches)	70	\$ 0.0006	\$	0.04			70	\$ 0.0006	\$	0.42			70	\$ 0.0006	\$ 4.17
	PCB	1	\$ 2.00	\$	2.00			1	\$ 2.00	\$	20.00			1	\$ 1.00	\$ 100.00
TOTAL BATCH COST ->					\$ 67.33					\$ 657.66				\$ 4,503.94		\$ 36,878.16