

The "Wedding" Cribbage Board							
BILL OF MATERIALS							
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QTY PER PARENT	VENDOR	PART#	DESCRIPTION	COST PER UNIT	TOTAL NEEDED FOR 3 BOARDS	NOTES	
RTA-0003 1 ASY, TOP, WEDDING BOARD 3							
1		RT-0003X1	TOP, CRIBBAGE BOARD, WEDDING	150	3		
94			#4 X 1/2" FH SQ DRIVE SS SHEET METAL SCREW	0.1	282		
RT-0004 1 TOP FRAME, CRIBBAGE BOARD 3							
			ZIROCOTE TOP FRAME, GLUED & MILLED	50	3		
RTA-0005 1 ASSY BACKING, CLEAR 3							
1		RT-0005X1	ACRYLIC PROTECTIVE BACKING	25	3		
6			BACKING, CLEAR ACRYLIC				
10			#4 X 1/2" BHS DRIVE SS SHEET METAL SCREW	0.1	18		
			1/2L", 4-40, 1/4OD, MF STANDOFF, M=0.150" S.S.	0.5	30		
RTA-0006 1 ASY BUTTON, ON SWITCH 3							
1		RT-0006X1	3/4" DIAM X .8" LNG DOWEL, ZIROCOTE LAM				
			BUTTON, ON SWITCH 3/4" DIAM, DOWEL WITH ZIROCOTE				
1			LAMINATE ON END	2	3		
			#4 X 1/2 SET SCREW	0.1	3		
RTA-0007 12 ASSY, GROUP OF 5 36							
1		RT-0007X1	GROUP OF 5 PCB				
5	MOUSER	161-4320	RD/GRN/BLU DGS RCA PHONO JACK	1.25	36		
2	DIGIKEY	S2104-04-ND	SULLINS PPPN041FGGN 4PIN, 2MM, FEM SOCKET	0.696	180		
					72		
RTA-0008 6 ASSY, 4X4 INTERCONNECT 18							
1		RT-0008X1	4X4 INTERCONNECT PCB				
4/10	Digikey	S2105-40-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	18		
					7 2/10		
RTA-0009 1 ASSY, 2X4 INTERCONNECT 3							
1		RT-0009X1	2X4 INTERCONNECT PCB				
2/10	Digikey	S2105-40-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	3		
					6/10		
RTA-0010 1 ASSY, GROUP OF 2 3							
1		RT-0010X1	GROUP OF 2 PCB				
2	MOUSER	161-4320	RD/GRN/BLU DGS RCA PHONO JACK	1.25	3		
2	DIGIKEY	S2104-04-ND	SULLINS PPPN041FGGN 4PIN, 2MM, FEM SOCKET	0.696	6		
					6		
RTA-0011 1 ASSY, GROUP OF 6 3							
1		RT-0011X1	GROUP OF 6 PCB				
6	MOUSER	161-4320	RD/GRN/BLU DGS RCA PHONO JACK	1.25	3		
2	DIGIKEY	S2104-04-ND	SULLINS PPPN041FGGN 4PIN, 2MM, FEM SOCKET	0.69	18		
					6		
RTA-0012 1 ASSY, 3X4 INTERCONNECT 3							
1		RT-0012X1	3X4 INTERCONNECT PCB				
3/10	Digikey	S2105-40-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	3		
					9/10		
RTA-0013 1 PEG HOLDER 3							
1		RT-0013X1	PEGHOLDER PCB				
9	MOUSER	ME161-4216	PHONA, R/A PCB BLK DGS RCA	1.5	3		
1/10	Digikey	S2105-40-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	27		
					3/10		
4	WOODCRAFT	06R91	5mm miniaturebarrel hinge	0.59	12		
			#4 X 1/2" FH SQ DRIVE SS SHEET METAL SCREW	0.1	12	NICKEL PLATE	
1	DIGIKEY	H2085-ND	4 PIN CONNECTOR HOUSING	0.28	3		
RTA-0014 10 PEG ASSEMBLY 30							
1		RT-0014X1	PEG BOARD, .015" THICK, DBL SIDE, PLTD THRU				
1	MOUSER	ATTINY12L4SI	ATTMEL ATTINY12L-4SI (SC IS O.K. TOO)	1.43	30		
1	MOUSER	604-LF59EBGBW	T 1 3/4 Multi-color kingbright LED	7	30	Ralph ?Jensen?	
1	Digikey	P200LCT-ND	200Ohm, 1%, 0402 SMT resistor 1/16W (RED)	0.003	30		
1	Digikey	P150LCT-ND	150Ohm, 1%, 0402 SMT resistor 1/16W (GREEN)	0.003	30		
2	Digikey	P100LCT-ND	100Ohm, 1%, 0402 SMT resistor 1/16W (BLUE)	0.003	60		
1	Digikey	P18.2KCCT-ND	18.2KOhm, 1%, 0805 SMT resistor, 1/10W (reset pullup)	0.003	30		
1	MOUSER	80-C1206C104M5R	.1UF 50V 20% X7R. Kemet 1206 Ceramic Cap	0.1	30		
2	Digikey	ZXMD63P02XCT-ND	Dual 20V P-CH ENHANCEMENT MODE Fet	1.89	60		
1	Digikey	WM18104-ND	MOLEX 87340-0622 3x2, 2mm top/bott entry smt conn	1.5	30		
1/3	MOUSER	174-3462	Blue anodized deltron RCA phono plug	3.43	10		
1/3	MOUSER	174-3465	Red anodized deltron RCA phono plug	3.43	10		
1/3	MOUSER	174-3467	Yellow anodized deltron RCA phono plug	3.12	10	RE-ANODIZE GREEN	
1	MOUSER	17PP058	Shielded Phono Plug	0.72	30		
1	McMaster	2-008	70 Buna O-ring, 1.5mm x 4mm	0.1	30		
RT-0017X1 1 BODY, PEGHOLDER 3							
RTA-0018 1 ASSY, BASE CRIBBAGE BOARD 3							
1		RT-0018X	BASE, WEDDING BOARD	50	3		
3	WOODCRAFT	27C11	Non-Mortise, 10mm hinge for 1/2" WOOD. Hidden, barrel	2.99	9	NICKEL PLATE	
2	WOODCRAFT	27H39	Solid Brass Adjustable Ball Catch	2.99	6	NICKEL PLATE	
1	WOODCRAFT	145297	Mortised Lid Support SM-250 (1/4 x 2-7/8 x 1/2)	16.99	3	NOTCH & NICKEL PLATE	
14			#4 X 1/2" FH SQ DRIVE SS SHEET METAL SCREW	0.1	42		
RTA-0019 1 PROGRAMMER BOARD ASSEMBLY 3							
1		RT-0019X1	PROGRAMMER BOARD, .06" TH, DBL SID, PLTD THRU				
					3		

1	MOUSER	ATTINY12L4SI	ATMEL ATTINY12L-4SI (SC IS O.K. TOO)	1.43	3	
2	MOUSER	L4940	ST 5V FIXED REG, 1.5A E-LDO, D2Pak	1.31	6	
1	MOUSER	581-SR215C104K	50V .1uF X7R 10%, AVX, Radial Monolithic Capacitor	0.14	1	
1	MOUSER	80-C1206C104M5R	.1UF 50V 20% X7R, Kemet 1206 Ceramic Cap	0.1	30	
2	Digikey	PCC2228CT-ND	22uF, 10V, ceramic X5R 1210 capacitor	1.89	6	
2	Digikey	399-1644-1-ND	0.1uF, 35V, 20%, Tantalum capacitor	1.89	6	
3	Digikey	ZXMD63P02XCT-ND	Dual 20V P-CH ENHANCEMENT MODE Fet	1.89	9	
1	Digikey	WM18104-ND	MOLEX 87340-0622 3x2, 2mm top/bott entry smt conn	1.5	3	
1	Digikey	SC1151-ND	CONN, 2.1MM PWRJACK PNL MNT, LONG	4	3	
1	Digikey	EG1311-ND	SWITCH, PC MT SPST MOM ROUND BLK	2	3	
1	Digikey	EG1010-ND	SWITCH, DPDT POWER, SNAP	1.37	3	
4/10	Digikey	S2105-40-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	12/10	
1	Digikey	GH5005-ND	CAP, BLAK WINDOW VERSION 94 SER (GRAYHILL 947705-001)	2	3	
1	ARROW		GRAYHILL 94HCB16	8	3	
3	MOUSER	16PJ092	PHONO, PCB BLCK, DGS RCA	0.58	9	
2	DIGIKEY		RED WIRE LONG F / F 13" LONG (12 MIGHT WORK)	0.69	6	
2	DIGIKEY		BLACK WIRE LONG F / F 13" LONG (12 MIGHT WORK)	0.69	6	
4	DIGIKEY	H2085-ND	4 PIN CONNECTOR HOUSING	0.28	12	
4			#4 X 1/2" BHS DRIVE SS SHEET METAL SCREW	0.1	12	
1	DC POWER SUPPLY				3	
1	MOUSER	552-PSA-10A-090	10W, 9V, 1.1A, PHIHONG POWER SUPPLY, COMPACT	20	3	
1	MOUSER	172-1015	2.1MM, 10' PWR CABLE, DGS.	3.5	3	
1	BATTERY SUPPLY SET				3	
2	MOUSER	534-148	HLDR, ALUM, 4AA KEYSTON CLIP	2.99	6	
4	MOUSER	534-058	BAT POLARITY LABEL, KEYSTONE CLIPS	0.06	12	
2	DIGIKEY		BLACK WIRE LONG F / F 13" LONG (12 MIGHT WORK)	0.69	6	
2	DIGIKEY		RED WIRE LONG F / F 13" LONG (12 MIGHT WORK)	0.69	6	
1	FRIDGE DOOR SWITCH				3	
1	OnlineComponents	CH173-ND	DH2C-B1PA (B2PA is equiv) PC MT SPDT CHERRY SUBMIN SWITCH	3	3	
2	DIGIKEY		RED WIRE SHORT F / N (<2")	0.69	6	
2	DIGIKEY		BLACK WIRE SHORT F / N	1	6	
1	DIGIKEY	H2085-ND	4 PIN CONNECTOR HOUSING	0.28	3	
1	FINAL PEG				3	
1	MOUSER	16PJ050 (now: 161-0050)	.7" MTG DGC RCA PHONO JACK (WHITE IS DISCONTINUED, need new part)	0.63	3	
1	DIGIKEY		RED WIRE SHORT F / N (<4")	0.69	3	
1	DIGIKEY		BLACK WIRE SHORT F / N	1	3	
1/10	Digikey	S2105-4-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	3/10	
1	INSTRUCTIONS				3	
1		RT-0020	INSTRUCTIONS_FAQ (52pgs)	1	3	
2			2-56 x 0.25L nylon panhead screw	0.1	6	
4			#2 sm pattern flat washer, stainless steel	0.1	12	
2			#2-56 sm pattern nut, stainless steel	0.1	6	
MISCELLANEOUS						
1/2	OSH		WATCO SATIN SEALING WAX	5	1	
1/2	OSH		DANISH FINISHING OIL, NATURAL	7	1	
1	AMEX PLATING		NICKEL PLATING CHARGE	120	1	
1	AMEX PLATING		GREEN ANODIZATION CHARGE	60	1	
1/3	Qualtech Circuits		PCB FAB CHARGE, UN CUT PANELS	600	0.33	
ROLLUPS						
RTA-0007 (GROUP OF 5)	5	MOUSER	161-4320	RD/GRN/BLU DGS RCA PHONO JACK	1.25	180
RTA-0010 (GROUP OF 2)	2	MOUSER	161-4320	RD/GRN/BLU DGS RCA PHONO JACK	1.25	6
RTA-0011 (GROUP OF 6)	6	MOUSER	161-4320	RD/GRN/BLU DGS RCA PHONO JACK	1.25	18
					204	
					ROLLUP TOTAL	
RTA-0003 (TOP)	94			#4 X 1/2" FH SQ DRIVE SS SHEET METAL SCREW	0.1	282
RTA-0005 (BACKING)	10			#4 X 1/2" FH SQ DRIVE SS SHEET METAL SCREW	0.1	30
RTA-0013 (PEGHOLDER)	4			#4 X 1/2" FH SQ DRIVE SS SHEET METAL SCREW	0.1	12
RTA-0018 (BASE)	14			#4 X 1/2" FH SQ DRIVE SS SHEET METAL SCREW	0.1	42
					366	
					ROLLUP TOTAL	
RTA-0007 (5 GROUP)	2	DIGIKEY	S2104-04-ND	SULLINS PPPN041FGGN 4PIN, 2MM, FEM SOCKET	0.696	72
RTA-0010 (2 GROUP)	2	DIGIKEY	S2104-04-ND	SULLINS PPPN041FGGN 4PIN, 2MM, FEM SOCKET	0.696	6
RTA-0011 (6 GROUP)	2	DIGIKEY	S2104-04-ND	SULLINS PPPN041FGGN 4PIN, 2MM, FEM SOCKET	0.69	6
					84	
					ROLLUP TOTAL	
RTA-0008 (4X4)	4/10	Digikey	S2105-40-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	72/10
RTA-0009 (2X4)	2/10	Digikey	S2105-40-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	6/10
RTA-0012 (3X4)	3/10	Digikey	S2105-40-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	9/10
RTA-0013 (PEGHOLDER)	1/10	Digikey	S2105-40-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	3/10

RTA-0019 (PROGRAMMER)	4/10	Digikey	S2105-40-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	1 2/10
FINAL PEG	1/10	Digikey	S2105-4-ND	SULLINS PRPN041PAEN, 2MM MALE HEADER	0.98	3/10
						10 5/10
						ROLLUP TOTAL
RTA-0014 (PEG)	1	Digikey	WM18104-ND	MOLEX 87340-0622 3x2, 2mm top/bott entry smt conn	1.5	30
RTA-0019 (PROGRAMMER)	1	Digikey	WM18104-ND	MOLEX 87340-0622 3x2, 2mm top/bott entry smt conn	1.5	3
						33
						ROLLUP TOTAL
RTA-0019 (PROGRAMMER)	4	DIGIKEY	H2085-ND	4 PIN CONNECTOR HOUSING	0.28	12
RTA-0013 (PEGHOLDER)	1	DIGIKEY	H2085-ND	4 PIN CONNECTOR HOUSING	0.28	3
						15
						ROLLUP TOTAL
RT-0019 (PROGRAMMER)	2	DIGIKEY	H2BBG-10112-R4-ND (24	RED WIRE LONG F / F 13" LONG (12 MIGHT WORK)	0.69	6
BATTERY SUPPLY	2	DIGIKEY	H2BBG-10112-R4-ND (26	RED WIRE LONG F / F 13" LONG (12 MIGHT WORK)	0.69	6
FRIDGE DOOR	2	DIGIKEY	H2BBG-10112-B4-ND (24	RED WIRE SHORT F / N (<2")	0.69	6
FINAL PEG	1	DIGIKEY	H2BBG-10112-B6-ND (26	RED WIRE SHORT F / N (<4")	0.69	3
						21
						ROLLUP TOTAL
RT-0019 (PROGRAMMER)	2	DIGIKEY		BLACK WIRE LONG F / F 13" LONG (12 MIGHT WORK)	0.69	6
BATTERY SUPPLY	2	DIGIKEY		BLACK WIRE LONG F / F 13" LONG (12 MIGHT WORK)	0.69	6
FRIDGE DOOR	2	DIGIKEY		BLACK WIRE SHORT F / N	1	6
FINAL PEG	1	DIGIKEY		BLACK WIRE SHORT F / N	1	3
						21
						ROLLUP TOTAL
		Digikey	H2597-ND	Double Row Crimp Plug, DF4 Series (Hirose)	0.45	
		Digikey	H2586-ND	Single Row Crimp Plug, DF4 Series (Hirose)	0.34	
OTHER USEFUL STUFF						
		Digikey	PC95P-ND	CircuitBoard, Pre-Sensitized, 4x6, .014" thick		
		Digikey	PC45P-ND	CircuitBoard, Pre-Sensitized, 4x6, .032" th, dblsided		
		Digikey	PC91P-ND	CircuitBoard, Pre-Sens, 4x6, .005" th, dblsided		
		MOUSER	161-4222	Horizontal mounth, Red/Green/Blue phono plug	1.11	
		MOUSER	161-4320	RD/GRN/BLU DGS RCA PHONO JACK	1.37	
			National 7805	+5V regulator		
PLATING BRASS HARDWARE						
		CASWELL PLATIN	Brush Plate Kit		30	
		CASWELL PLATIN	Electroless Nickel Kit		60	
		Mouser	552-PSA-10A-050	10W, 5V, Phihong power supply (other option)	20	
NOT USED	2	Digikey	LM1086CS-5.0-ND	NATIONAL 5V FIXED REG, 1.5A LDO	1.31	6