

pi-top_Glimmer BOM

Id		Designator	Package	Quantity	Designation	Supplier and ref	\$	\$ Tot
1	J5		Socket_Strip_Angled_2x17_Pitch2.00mm	1	CONN_02X17	Digi-Key #SAM11861-ND plus Digi-Key #SAM9981-ND	\$ 5.79	\$ 5.79
2	J3		Pin_Header_Angled_2x17_Pitch2.00mm	1	CONN_02X17	Digi-Key #3M9171-34-ND	\$ 4.03	\$ 4.03
3	J4		Pin_Header_Straight_2x20_Pitch2.54mm	1	CONN_02X20	Digi-Key #S2011EC-20-ND	\$ 0.93	\$ 0.93
4	U3,U4		TSSOP-14_4.4x5mm_Pitch0.65mm	2	74LV164	Digi-Key #296-3788-1-ND	\$ 0.42	\$ 0.84
5	Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8		SOT-23_Handsoldering	8	IRFML8244	Digi-Key #IRFML8244TRPBFCT-ND	\$ 0.38	\$ 3.04
D18,D1,D2,D3,D4,D5,D6,D7,D8,D9,D10,D11,D12,D13,D14,D15,D16,D17,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								
6	D53,D54,D55,D56,D57,D58,D59,D60,D61,D62,D63,D64		LED_0805	64	RED	Digi-Key #475-1278-1-ND or similar	\$ 0.10	\$ 6.39
7	C1,C3		C_0805_HandSoldering	2	10uF	Digi-Key #C2012X5R1V106K085AC	\$ 0.73	\$ 1.46
8	C2,C4,C5,C6,C7,C8,C9,C10		C_0805_HandSoldering	8	0.1uF	Digi-Key #CC0805ZRY5V9BB104	\$ 0.04	\$ 0.30
9	J1		Pin_Header_Straight_1x06_Pitch2.54mm	1	CONN_01X06	Digi-Key #609-3272-ND	\$ 0.34	\$ 0.34
10	L1		L_0805_HandSoldering	1	FERRITE BEAD 2.5 KOHM 0805 1LN	Digi-Key #1276-6377-1-ND	\$ 0.10	\$ 0.10
11	R1		R_0805_HandSoldering	1	10k 1/8W 5%	Digi-Key #P10KACT-ND	\$ 0.10	\$ 0.10
12	R3		R_0805_HandSoldering	1	4.53k 1/8W 1%	Digi-Key #311-4.53KCRCT-ND	\$ 0.10	\$ 0.10
13	R4		R_0805_HandSoldering	1	715R 1/8W 1%	Digi-Key #311-715CRCT-ND	\$ 0.10	\$ 0.10
14	R5		R_0805_HandSoldering	1	300R 1/8W 1%	Digi-Key #311-300CRCT-ND	\$ 0.10	\$ 0.10
15	R6		R_0805_HandSoldering	1	3k 1/8W 1%	Digi-Key #311-3.00KCRCT-ND	\$ 0.10	\$ 0.10
16	R7		R_0805_HandSoldering	1	2.2k 1/8W 1%	Digi-Key #311-2.20KCRCT-ND	\$ 0.10	\$ 0.10
17	R8		R_0805_HandSoldering	1	3.3k 1/8W 1%	Digi-Key #311-3.30KCRCT-ND	\$ 0.10	\$ 0.10
18	U5		IRReceiver_Vishay_MINICAST-3pin	1	TSOP38238	Digi-Key #751-1227-ND	\$ 1.12	\$ 1.12
19	U2		TQFP-32_7x7mm_Pitch0.8mm	1	ATMEGA328P-AU	Digi-Key #ATMEGA328P-AU-ND	\$ 2.07	\$ 2.07
20	Y1		Resonator_SMD_muRata_CSTCE_3.2mm_1.3r	1	8MHz	Digi-Key #490-1195-1-ND	\$ 0.48	\$ 0.48
21	U1		SOT-89-3_Handsoldering	1	AP7215-33YG	Digi-Key #AP7215-33YG-13DICT-ND	\$ 0.50	\$ 0.50
							\$	28.09