


				BOM: EVB-USB2514QFN48 Evaluation Board			
				Revision A			
				Revised: January 26, 2007			
							
Item	Qty	Qty Pop'd	Ref. Des.	Description	Example Mfg	Example Mfg PN	Notes
1	5	0	BR1,BR2,BR3,BR4,BR0	Diode, Bridge, Switching, 50V, 140mA, SOT-143	Infineon Tech	BGX50A	Do Not Populate
2	4	4	C3,C16,C18,C22	Capacitor, 1.0uF, 16VDC, 10%, X5R, 0603	Panasonic	ECJ-1VB1C105K	
3	12	12	C5,C6,C7,C8,C10,C11,C12,C13,C15,C17,C31,C32	Capacitor, 0.1uF, 25V, 10%, X7R, 0603	Panasonic	ECJ-1VB1E104K	
4	2	2	C9,C14	Capacitor, 33pF, 50V, 5%, NPO, 0603	Yageo America	0603CG330J9B200	
5	2	2	C19,C20	Capacitor, 4.7uF, 6.3VDC, 20%, X5R, 0603	Panasonic	ECJ-1VB0J475M	
6	1	1	C21	Capacitor, 0.01uF, 50V, 10%, X7R, 0603	Panasonic	ECJ-1VB1H103K	
7	4	4	C23,C24,C25,C26	Capacitor, 47uF, 16VDC, 20%, Aluminum, SMT, 5mm x 6mm	Panasonic	EEV-FK1C470UR	
8	5	5	C33,C34,C35,C36,C37	Capacitor, 0.1uF, 25V, 10%, X7R, 0603	Panasonic	ECJ-1VB1E104K	
9	1	1	D1	Diode, MMBD914LT, Fast Switching, 100VDC, 200mA, SOT-23	On Semiconductors	MMBD914LT1	
10	5	0	FB1,FB2,FB3,FB4,FB0	Ferrite Bead, 2000mA, DCR=0.05, 0805	Murata	BLM21PG221SN1D	Do Not Populate
11	4	4	J1,J2,J3,J4	Receptacle, USB, Style A, Right Angle, Through-hole	AMP	787616-1	
12	1	1	J5	Receptacle, USB, Style B, Right Angle, Through-hole	AMP	787780-1	
13	1	1	J6	Connector, Power Jack, 2.0mm, 12V, 4A, Right Angle, TH	Cui Stack	PJ-002AH	
14	5	5	LED1,LED2,LED3,LED4,LED7	LED, Green, 0603	Stanley Electric	BG1111C-TR	
15	1	0	LED5	LED, Orange, 5mm, TH, Right Angle	Dialight	550-2505	Do Not Populate
16	1	1	LED6	LED, Red, 0603	Stanley Electric	BR1111C-TR	
17	4	4	LED8,LED10,LED12,LED14	LED, Yellow, 0603	Stanley Electric	AY1111C-TR	
18	4	4	LED9,LED11,LED13,LED15	LED, Dual, Red/Green, SMT-0605	Lite-On	LTST-C195KGJRK	
19	5	0	L1,L2,L3,L4,L0	Inductor, Common Mode Choke, 0805	Murata	DLW21SN900SQ2L	Do Not Populate
20	15	15	R1,R2,R3,R4,R12,R15,R16,R17,R18,R19,R20,R21,R22,R24,R35	Resistor, 330, 5%, 1/16W, 0603	Yageo America	9C06031A3300JLHFT	
21	8	8	R5,R6,R9,R11,R13,R14,R23, R55	Resistor, 100K, 5%, 1/16W, 0603	Yageo America	9C06031A1003JLHFT	
22	10	10	R7,R27,R28,R29,R30,R31,R32,R33,R34,R36	Resistor, 10K, 5%, 1/16W, 0603	Yageo America	9C06031A1002JLHFT	
23	1	1	R8	Resistor, 12.0K, 1%, 1/16W, 0603	Yageo America	9C06031A1202FKHFT	Critical Part
24	1	1	R10	Resistor, 1Meg, 5%, 1/16W, 0603	Yageo America	9C06031A1004JLHFT	
25	1	0	R37	Resistor, 1K, 5%, 1/16W, 0603	Yageo America	9C06031A1001JLHFT	Do Not Populate
26	1	1	U1	IC, USB2514, 4 Port USB 2.0 Hub, QFN48	SMSC	USB2514-HZx	Supplied by SMSC
27	2	2	U2,U3	IC, MIC2026-1BM, Power Distribution Switch, SO-8	Micrel	MIC2026-1BM	
28	1	1	U4	IC, PQ1L333M2SP, Voltage Regulator, 3.3V, 300mA, Low Dropout	Sharp	PQ1L333M2SP	
29	1	1	U10	IC, AT24C02A, 2 Wire Serial EPROM, 2Kb, 2.7V, DIP-8	Atmel	AT24C02AN-10PI-2.7	
30	1	0	SKT1	Socket, IC, 8 Pin DIP, Leaf Contacts, Through Hole	Amp	2-641260-1	Optional
31	4	0	LP1-LP4	Light Pipe, 3position, Right angle, 0603-1206	Chicago Mini. Lamp	7511A62	Do Not Populate
32	1	0	LP1	Light Pipe, 2position, Right angle, 0603-1206	Chicago Mini. Lamp	7511B11	Do Not Populate
33	1	1	Y1	Crystal, 24.000MHz, 50ppm, 18pF, HC-49SMT	Citizen America	HCM49-24.000MABJT	
34	1	1	PCB Fab	PCB, EVB-USB2514QFN48, Rev. A	DDi	EVB-USB2514QFN48_A	