

Bill of Materials

Model: eb501-SER

Revision: A

Date: 03/23/2007

Schematic Revision: 1.2

Description: Wireless Serial Port Adapter with Multiple Interfaces

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Item	Qty	Circuit Ref.	Description	Value	Toler.	Voltage	Package	Part Type	Manufacturer	Manuf Part #	Restrictions
1	1	PCB	eb501 PCB					PCB			RoHS
2	1	U1	RS232 Line Driver\Receiver			3.3V	28-TSSOP	driver\receiver	Texas Instruments	MAX3238CPWR	RoHS
3	1	U2	OEM Bluetooth Serial Module			3.3V	Surface mount	Radio	A7 Engineering	eb100-SER v2.1.097.001	RoHS
4	1	U3	Reset Monitor	2.63V		2.63V	SOT-143	Monitor	Microchip	TCM812RERCTR	RoHS
5	1	U4	Hex Buffer/Driver			3.3V	TVSOP-DGV	Buffer/Driver	Texas Instruments	SN74LVC07ADGVR	RoHS
6	1	U5	Dual Voltage Level Shifter			5.0V	TVSOP-DGV	Level Shifter	Texas Instruments	SN74LVC8T245DGVR	RoHS
7	1	U6	Voltage Regulator	5.0V		5.0V	SOT-23-5	Regulator	Linear	LT1761ES5-5	RoHS
8	1	U7	Voltage Regulator	3.3V		3.3V	SOT-23-5	Regulator	Linear	LT1761ES5-3.3	RoHS
9	3	D1, D2, D3	LED	Green		2.1V	0402	LED	KingBright	APHHS1005MGCK	RoHS
10	1	D4	Schottky Diode				SOD-323	Diode	Diodes, Inc.	BAT43WS-7-F	RoHS
11	1	J1	Female Din-9, Through Hole				Female Din-9	Connector	Adam Tech	DE09-SL-25-RC	RoHS
12	2	J2, J3	1 x 8, 0.1" right angle header				0.1" x 8 right angle	Connector	Adam Tech	PH1RB-8-A-RC	RoHS
13	1	J4	DC Power Jack				2.1mm PCB	Connector	Adam Tech	ADC-002A-1-RC	RoHS
14	1	P1	SMA coax connector				Edge mount	Connector	Johnson Components	142-0701-801	RoHS
15	1	SW1	Micro Switch	SPST			Surface mount	Switch	ITT Industries	KMR211GLFS	RoHS
16	9	C1, C2, C3, C4, C5, C6, C7, C8, C9	Ceramic Capacitor	0.1u		10V	0402	Capacitor	Panasonic	ECJ-0EB1A104K	RoHS
17	3	C10, C11, C12	Ceramic Capacitor	10u		25V	1210	Capacitor	Panasonic	ECJ-4YF1E106Z	RoHS
18	1	R1	Chip Resistor	Jumper			0402	Resistor	Panasonic	ERJ-2GE0R00X	RoHS
19	3	R6, R7, R8	Chip Resistor	1K	1%		0402	Resistor	Panasonic	ERJ-2RKF1001X	RoHS
20	6	R3, R4, R5, R9, R10, R11	Chip Resistor	10K	1%		0402	Resistor	Panasonic	ERJ-2RKF1002X	RoHS

* Note: R2 is not in the BOM because it is not fitted in the current design