



EVB-USB2422

REV. A3

-- BOM

RoHS

EVB-USB2422 24QFN, Evaluation Board

Revised: 20130607

Form: Carl Johnson, 20101206

Single Sided?:

Yes

Panelized?:

2 images x 2 images

Item	Qty	Qty Pop'd	Reference Designator(s)	Description	Manufacturer	Manufacturer Part Number	Notes
1	2	2	C1,C9	Capacitor, 4.7uF, 6.3VDC, 20%, X5R, 0603	Murata	GRM188R60J475KE19D	
2	1	1	C8	Capacitor, Low ESR, 100uF, 6.3VDC, 20%, Aluminum, Radial-SMT, 5mm x 5.8mm	United Chemi-Con	EMZA6R3ADA101ME61G	
3	8	8	C3,C5,C7,C15,C16,C18,C20,C24	Capacitor, 0.1uF, 10V, 10%, X5R, 0402	Murata	GRM155R71A104KA01D	
4	1	1	C13	Capacitor, 1.0uF, 10%, 6.3V, X5R, 0402	Murata	GRM155R60J105KE19D	
5	1	1	C4	Capacitor, 10uF, 16VDC, 10%, 0805	Murata	GRM21BR61C106KE15L	
6	2	2	C6,C22	Capacitor, 1000pF, 50V, 10%, X7R, 0402	Murata	GRM155R71H102KA01D	
7	1	1	C12	Capacitor, 1.0uF, 16VDC, 10%, X5R, 0603	Murata	GRM188R61C105KA93D	
8	1	1	C23	Capacitor, 2.2uF, 6.3VDC, 10%, X5R, 0603	Murata	GRM185R60J225KE26D	
9	1	1	C14	Capacitor, 0.1uF, 10V, 10%, X5R, 0402	Murata	GRM155R71A104KA01D	
10	2	2	C17,C21	Capacitor, Low ESR, 150uF, 6.3VDC, 20%, Aluminum, Radial-SMT, 5mm x 5.7mm	Lelon	VZS151M0JTR-0506	
11	1	1	D1	LED, Green, 3mm, Diffused, Right Angle	Lumex	SSF-LXH103GD	
12	1	1	D3	LED, Green, 3mm, Diffused, Right Angle	Lumex	SSF-LXH103GD	
13	1	1	D2	LED, Dual, Red/Green, SMT-0605	Lite-On	LTST-C195KGJRKJ	
14	1	1	D4	LED, Yellow, 0603	Stanley Electric	AY1111C-TR	
15	1	1	D5	LED, Orange, 14mcd, 20mA, 0603	Osram	LOL29KJ2L124Z	
16	1	1	FB1	Ferrite Bead, 220 Ohm, 2A, 0.05DCR, 0603	Murata	BLM18EG221SN1D	
17	1	1	J2	Connector, Power Jack, 2.1 mm x 5.5 mm, 12 V, 4 A, Right Angle, TH	Cui Stack	PJ-002AH	
18	1	1	J6	Receptacle, USB, Style A, Right Angle, Through-hole	AMP	292303-1	
19	1	1	J7	Header, 2 x 5, 0.1 Inch, Vertical	AMP	146256-5	
20	1	1	J8	Receptacle, USB, Style A, Right Angle, Through-hole	AMP	292303-1	
21	1	1	J9	Receptacle, USB, Style B, Right Angle, Through-hole	FCI	61729-x0xxBLF	
22	3	3	R18,R21,R23	Resistor, 330, 5%, 1/16W, 0603	Panasonic	ERJ-3GEYJ331V	
23	1	1	R1	Resistor, 330, 5%, 1/16W, 0603	Panasonic	ERJ-3GEYJ331V	
24	2	2	R5,R8	Resistor, ZERO, 0.1W, 0603	Panasonic	ERJ-3GEY0R00V	
25	1	1	R9	Resistor, 33, 5%, 1/16W, 0603	Panasonic	ERJ-3GEYJ330V	
26	1	1	R10	Resistor, 330, 5%, 1/16W, 0603	Panasonic	ERJ-3GEYJ331V	
27	1	1	R11	Resistor, 1K, 5%, 1/16W, 0603	Panasonic	ERJ-3GEYJ102V	
28	2	2	R12,R16	Resistor, 10K, 5%, 1/16W, 0603	Panasonic	ERJ-3GEYJ103V	
29	4	4	R13,R14,R15,R20	Resistor, 100K, 5%, 1/16W, 0603	Panasonic	ERJ-3GEYJ104V	
30	1	1	R17	Resistor, 12.0K, 1%, 1/16W, 0603	Panasonic	ERJ-3EKF1202V	
31	2	2	R19,R22	Resistor, 2.2K, 5%, 1/16W, 0603	Panasonic	ERJ-3GEYJ222V	
32	2	2	SHUNT1,SHUNT2	Shunt, Insulated, 0.1 Inch	AMP	881545-2	
33	1	1	SW1	Switch, DPDT, Slide, Sub-Mini, Top Actuator, TH	C&K	JS202011CQN	
34	1	1	U1	IC, MIC37100-3.3WS, LDO Regulator, 3.3V, 1A, SOT223-3	Micrel	MIC37100-3.3WS	
35	1	1	U2	IC, Power Distribution Switch, Dual, 1 A continuous, SO-8	Diodes Inc.	AP2176SG-13	
36	1	1	U3	IC, USB2422/1/USX2074/3, 2/1 Port USB 2.0 Hub w/ Battery Chg. (w/ SOF), QFN24	SMSC	USB2422/1/USX2074/3	
37	1	1	U4	IC, 74LVC1G14, Inverter, Shottky, DCK	TI	SN74LVC1G14DCKR	
38	1	1	Y1	Crystal, 24.000MHz, 30ppm, 6pF, SMT 2.0MM X 1.6MM	Murata	XRCGB24M000F3M00R0	
39	4	4	-none	Foot, Silicone Rubber, Adhesive, Clear, Cylindrical, .500"x.250"	Bumper Specialties	RBS-6	Place at each Mounting Hole
40	1	1		Label, Assy: EVB-USB2422, Rev. A3	SMSC		Placed on Top side over "EVB-USB2422 Rev A3" silkscreen (Supplied by SMSC)
41	1	1	PCB Fab	PCB, Deputy (EVB-USB2422), Rev. A		EVB-USB2422_A	Supplied by SMSC
42	1	1	Assembly	Assembly, Deputy (EVB-USB2422), Rev. A3		EVB-USB2422_A3	

43	1	0	C2	Capacitor, Low ESR, 100uF, 6.3VDC, 20%, Aluminum, Radial-SMT, 5mm x 5.8mm	United Chemi-Con	EMZA6R3ADA101ME61G	DNP
44	1	0	C19	Capacitor, 0.1uF, 10V, 10%, X5R, 0402	Murata	GRM155R71A104KA01D	EMI
45	1	0	C10	Capacitor, 0.1uF, 10V, 10%, X5R, 0402	Murata	GRM155R71A104KA01D	DNP
46	1	0	C11	Capacitor, 4.7uF, 6.3VDC, 20%, X5R, 0603	Murata	GRM188R60J475KE19D	DNP
47	5	0	C25,C26,C27,C28,C29	Capacitor, 1000pF, 50V, 10%, X7R, 0402	Murata	GRM155R71H102KA01D	EMI
48	2	0	C30,C31	Capacitor, 18pF, 50V, 5%, NPO, 0402	Murata	GRM1555C1H180JZ01	HC49
49	1	0	D6	Diode, Shottky, B240A-13, 40V, 2.0A, KA, SMA	Diodes Inc.	B240A-13	DNP
50	2	0	J1,J3	Header, 1 x 2, 0.1 Inch, Vertical	Samtec	TSW-102-14-L-S	DNP
51	2	0	J4,J5	Header, 1 x 2, 0.1 Inch, Vertical	Samtec	TSW-102-14-L-S	DNP
52	2	0	R2,R3	Resistor, ZERO, 0.1W, 0603	Panasonic	ERJ-3GEY0R00V	DNP
53	1	0	R4	Resistor, 100K, 5%, 1/16W, 0603	Panasonic	ERJ-3GEYJ104V	DNP
54	1	0	R6	Resistor, 100K, 5%, 1/16W, 0603	Panasonic	ERJ-3GEYJ104V	DNP
55	1	0	R7	Resistor, ZERO, 0.1W, 0603	Panasonic	ERJ-3GEY0R00V	DNP