



**BOM: EVB-USB2240-IND - Card Reader Evaluation Board**

Revision A

(Lycus)

Revised: September 28, 2007

Item	Qty	Qty Pop'd	Ref. Des.	Description	Mfg	Mfg PN	Notes
1	11	11	C1,C2,C4,C5,C6,C7,C10,C12,C13,C17,C20	Capacitor, 0.1uF, 25V, 10%, X7R, 0603	Panasonic	ECJ-1VB1E104K	
2	4	4	C3,C11,C15,C18	Capacitor, 1.0uF, 16VDC, 10%, X5R, 0603	Panasonic	ECJ-1VB1C105K	
3	3	3	C8,C16,C21	Capacitor, 4.7uF, 6.3VDC, 20%, X5R, 0603	Panasonic	ECJ-1VB0J475M	
4	2	2	C14,C19	Capacitor, 33pF, 50V, 5%, NPO, 0603	Yageo America	0603CG330J9B200	
5	1	1	FB1	Ferrite Bead, 220 Ohm, 2A, 0.05DCR, 0603	TDK	MPZ1608S221A	
6	1	1	J1	Connector, SD/MMC4.0, Normal Mount, SMT	Proconn	SDC013-A0-5002	
7	1	1	J2	Connector Housing Assembly, XD, SMT	Proconn	XDC020-A0-0000	
8	1	1	J4	Connector Housing Assembly, Memory Stick, Top Mount, SMT	ProConn	MSC010-20-0000	
9	1	1	J6	Connector, Power Jack, 2.0mm, 12V, 4A, Right Angle	Cui Stack	PJ-002AH	
10	1	1	J7	Receptacle, USB, Style B, Right Angle, Through-hole	AMP	292304-1	
11	2	2	LED1,LED3	LED, Bright Green, 0603	Rohm	SML-412MWT86	
12	4	4	R2,R5,R12,R14	Resistor, ZERO, 0.1W, 0603	Yageo America	9C06031A0R00JLHFT	
13	3	3	R3,R9,R18	Resistor, 10K, 5%, 1/16W, 0603	Yageo America	9C06031A1002JLHFT	
14	3	3	R4,R7,R20	Resistor, 2.2K, 5%, 1/16W, 0603	KOA Speer	RK73B1JLTD222J	
15	1	1	R10	Resistor, 12.0K, 1%, 1/16W, 0603	Yageo America	9C06031A1202FKHFT	
16	1	1	R11	Resistor, 100K, 5%, 1/16W, 0603	Yageo America	9C06031A1003JLHFT	
17	1	1	R15	Resistor, 1Meg, 5%, 1/16W, 0603	Yageo America	9C06031A1004JLHFT	
18	1	1	R19	Resistor, 330, 5%, 1/16W, 0603	Yageo America	9C06031A3300JLHFT	
19	1	1	SKT2	Socket, IC, 8 Pin DIP, Leaf Contacts, Through Hole	Amp	2-641260-1	
20	1	1	U1	IC, USB2240, USB 2.0 Bus Powered Flash Media Controller, QFN-36B	SMSC	USB2240-AEZG	
21	1	1	U3	IC, LT1129CST-3.3, Voltage Regulator, +3.3V, 700mA, SOT-223	Linear Technology	LT1129CST-3.3#PBF	
22	1	1	Y1	Crystal, 24.000MHz, 50ppm, 18pF, HC-49SMT	Citizen America	HCM49-24.000MABJ-UT	
	1	1	PCB Fab	PCB, SVB-USB22240-IND_A		SVB-USB22240-IND_A	
	1	1	Assembly	Assembly, SVB-USB22240-IND_A		SVB-USB22240-IND_A	
23	1	0	C9	Capacitor, 47uF, 16VDC, 20%, Aluminum, SMT, 5mm x 6mm	Panasonic	EEV-FK1C470UR	Do Not Populate
24	1	0	FB2	Ferrite Bead, 220 Ohm, 2A, 0.05DCR, 0603	TDK	MPZ1608S221A	Do Not Populate
25	1	0	J3	Connector, Memory Stick 8-BIT, Top Mount, SMT	Tyco	1871236	Do Not Populate
26	1	0	J5	Header, 1 x 4, 0.1 Inch, Vertical	Samtec	TSW-104-14-L-S	Do Not Populate
27	1	0	LED2	LED, Orange, 5mm, TH, Right Angle	Dialight	550-2505	Do Not Populate
28	2	0	R1,R6	Resistor, 10K, 5%, 1/16W, 0603	Yageo America	9C06031A1002JLHFT	Do Not Populate
29	2	0	R8,R13	Resistor, 100K, 5%, 1/16W, 0603	Yageo America	9C06031A1003JLHFT	Do Not Populate
30	1	0	R16	Resistor, ZERO, 0.1W, 0603	Yageo America	9C06031A0R00JLHFT	Do Not Populate
31	1	0	R17	Resistor, 470, 5%, 1/16W, 0603	Yageo America	9C06031A4700JLHFT	Do Not Populate
32	1	0	U2	IC, AT24C02A, 2 Wire Serial EPROM, 2Kb, 2.7V, DIP-8	Atmel	AT24C02AN-10PU-2.7	Do Not Populate
33	16	0	tp1,tp2,tp3,tp4,tp5,tp6,tp7,tp8,tp9,tp10,tp11,tp12,tp13,tp14,tp15,tp16	Header, 1 x 1, 0.1 Inch, Vertical	Amp/Tyco	103185-1	Do Not Populate