

EVB-USB2602-CRB - USB2602 User Evaluation Platform

EVB-USB2602-CRB Revision B1 06/03/05

USB2602 Customer Reference Board, 2 Layer



Bill of Materials June 3, 2005

Item Number	Quantity	Part Reference	Description	Manufacturer	Part number	Notes
1	1	C1	Capacitor, 1.0uF, 16VDC, 10%, X5R, 0805	Panasonic	ECJ-GVB1C105K	
2	3	C2 C10 C15	Capacitor, Low ESR, 150uF, 10VDC, 20%, Aluminum, Radial-SMT, 6.3mm x 5.8mm	Panasonic	EEV-FK1A151P	
3	3	C3 C4 C11	Capacitor, 10uF, 6.3VDC, 20%, X5R, 0805	Panasonic	ECJ-2FB0J106M	
4	2	C5 C6	Capacitor, 33pF, 50V, 5%, NPO, 0603	Yageo America	0603CG330J9B200	
5	21	C7 C8 C13 C14 C17-C24 C26-C28 C30-C35	Capacitor, 0.1uF, 25V, 10%, X7R, 0603	Panasonic	ECJ-1VB1E104K	
6	2	C9 C25	Capacitor, 4.7uF, 6.3VDC, 20%, X5R, 0805	Panasonic	ECJ-2FB0J475M	Critical
7	0	C12	Capacitor, Do Not Populate, 0805			
8	0	C16 C29 C36 C37	Capacitor, Do Not Populate, 0603			
9	1	J1	Connector, Power Jack, 2.0mm, 12V, 4A, Right Angle	Cui Stack	PJ-002AH	
10	1	J2	Receptacle, USB, Style B, Right Angle, Through-hole	AMP	787780-1	
11	3	J3 J6 J7	Receptacle, USB, Style A, Upright, Right Angle, Through-hole	Samtec	USB-A-S-S-B-VU	
12	1	J4	Connector Housing Assembly, SmartMedia + XD, SMT	Proconn	TIN044-30-1100	
13	1	J5	Header Assembly, Compact Flash, Type I/II, Normal Height, Top Mount, SMT	Proconn	CFH050-27-0096	
14	1	J8	Connector Housing Assembly, Memory Stick, Bottom Mount, SMT	ProConn	MSC010-20-1000	
15	1	J9	Connector Housing Assembly, Secure Digital, Bottom Mount, SMT	Proconn	SDR009-20-1001	
16	5	LED1 LED2 LED7-LED9	LED, Green, 3mm, Diffused, Right Angle	Lumex	SSF-LXH103GD	
17	4	LED3-LED6	LED, Green, 0603	Stanley Electric	BG1111C-TR	
18	0	Q1	Transistor, FDN304P, P-Channel MOS-FET, 20V, 2.4A, SOT-23	Fairchild	FDN304P	Do Not Populate
19	10	R1 R2 R9 R10 R12 R13 R19-R21 R30	Resistor, 330, 5%, 1/16W, 0603	Yageo America	9C06031A3300JLHFT	
20a	5	R3 R4 R7 R17 R28	Resistor, 100K, 5%, 1/16W, 0603	Yageo America	9C06031A1003JLHFT	
20b	0	R15	Resistor, 100K, 5%, 1/16W, 0603	Yageo America	9C06031A1003JLHFT	Populate if Q1 present
21	2	R5 R26	Resistor, 1Meg, 5%, 1/16W, 0603	Yageo America	9C06031A1004JLHFT	
22	1	R6	Resistor, 12.0K, 1%, 1/16W, 0603	Yageo America	9C06031A1202FKHFT	Critical
23	2	R8 R11	Resistor, 33, 5%, 1/16W, 0603	Yageo America	9C06031A33R0JLHFT	
24	1	R14	Resistor, 1K, 5%, 1/16W, 0603	Yageo America	9C06031A1001JLHFT	
25	0	R16 R24	Resistor, Do Not Populate, 0603			
26	5	R18 R22 R27 R29 R31	Resistor, 10K, 5%, 1/16W, 0603	Yageo America	9C06031A1002JLHFT	
27	1	R23	Resistor, 2.2K, 5%, 1/16W, 0603	KOA Speer	RK73B1JLTD222J	
28	1	R25	Resistor, ZERO, 0.1W, 0603	Yageo America	9C06031A0R00JLHFT	
29	2	U1 U6	IC, MIC2026-1BM, Power Distribution Switch, SO-8	Micrel	MIC2026-1BM	Can be substituted with other power switches
30a	1	U2	IC, TPS77633D, Voltage Regulator, 3.3V, 500mA, Low Dropout, SO-8	Texas Instruments	TPS77633D	
30b	1	U5	IC, TPS77633D, Voltage Regulator, 3.3V, 500mA, Low Dropout, SO-8	Texas Instruments	TPS77633D	Do Not Populate if Q1 present
31	1	U3	IC, USB2602, USB 2.0 Hub and Flash Media Controller, TQFP-128	Standard Microsystems		
32	1	U4	IC, AT93C66, 3 Wire Serial EPROM, 4Kb, 2.7V, SO-8	Atmel	AT93C66-10SI-2.7	
33	1	Y1	Crystal, 24.000MHz, 50ppm, 18pF, HC-49SMT	Citizen America	HCM49-24.000MABJT	