

TUSB8044RGCEVM INT077-001 Bill Of Materials								
Texas Instruments								
Item	Quantity	Reference	Part	Reference	Manufacturer	Part Number	Pkg	Description
1	1	C5	1uF		Murata	GRM219R61A105KA01D	805	1uF ±10% 10V Ceramic Capacitor X5R 0805 (2012 Metric)
2	1	C3	1uF		Samsung	CL05B105K05NQNC	402	CAP CER 1UF 6.3V 10% X7R 0402
3	5	C39,C47,C49,C57,C59	0.001uF		TDK	C1005X7R1H102K	402	CAP CER 1000PF 50V X7R 10% 0402
4	9	C6,C9,C12,C15,C19,C22,C25,C28,C32	0.001uF		TDK	C0603X7R1E102K030BA	201	CAP CER 1000PF 25V 10% X7R 0201
5	9	C7,C10,C13,C16,C20,C23,C26,C29,C33	0.01uF		Yageo	CC0201KRX7R7BB103	201	CAP CER 10000PF 16V 10% X7R 0201
6	18	C4,C38,C40,C41,C46,C48,C50,C51,C56,C58,C66,C69,C72,C75,C77,C78,C80,C81	0.1uF		Yageo	CC0402KRX5R6BB104	402	CAP CERAMIC .1UF 10V X5R 0402
7	19	C8,C11,C14,C17,C21,C24,C27,C30,C34,C36,C37,C42,C43,C44,C45,C52,C53,C54,C55	0.1uF		TDK	C0603X5R0J104M	201	CAP CER .10UF 6.3V X5R 0201
8	2	C1,C2	18pF		AVX	04025A180IAT2A	402	CAP CERM 18PF 5% 50V NPO 0402
9	9	C18,C31,C35,C61,C67,C68,C73,C74,C82	10uF		Murata Electronics	GRM31CR61C106KA88L	1206	CAPACITOR CERM 10UF 16V 10% SMD
10	4	C70,C71,C76,C79	150uF		Kemet	T495D157K010ATE100 (Tantalum)	7343	CAP TANT 150UF 10V 10% LOESR SMD
11	0	R10,R32,R42,R43,R44,R45	NOPOP				402	
12	6	D1,D4,D5,D6,D7,D8	LED Green 0805		Lite On	LTST-C171GKT	805	LED GREEN CLEAR THIN 0805 SMD
13	0	D2,D3	LED Green 0805 - NOPOP		Lite On	LTST-C171GKT	805	LED GREEN CLEAR THIN 0805 SMD
14	5	FB1,FB3,FB4,FB5,FB6	220 @ 100MHZ Ferrite Bead		Murata	BLM18PG2215N1D	603	FERRITE CHIP 220 OHM 1400MA 0603
15	2	SW1,SW2	8-POS 50-MIL SMT		C&K Components	SD08H05BR		SWITCH DIP SPST SEALED 8POS SMD
16	1	J1	USB3 TYPEB CONNECTOR		Amphenol	GSB321131HR	9 RA TH B	CONN RCPT USB 3.0 TYPE B R/A 9PS
17	4	J2,J3,J4,J5	USB3 TYPEA CONNECTOR		Amphenol	GSB311131HR	9 RA TH A	CONN RCPT USB 3.0 TYPE A R/A 9PS
18	1	J6	2.1mm x 5.5mm DC Power Jack		CUI Inc.	PJ-202AH	2.1mm x 5.5mm	CONN PWR JACK 2.1X5.5MM HIGH CUR
19	6	R1,R15,R17,R18,R19,R20	1M		Rohm Semiconductor	MCR01MZPJ105	402	RES 1.0M OHM 1/16W 5% 0402 SMD
20	1	R2	90.9K 1%		Rohm Semiconductor	MCR01MZPF9092	402	RES 90.9K OHM 1/16W 1% 0402 SMD
21	4	R26,R27,R29,R36	10K		Rohm Semiconductor	MCR01MZPJ103	402	RES 10K OHM 1/16W 5% 0402 SMD
22	1	R3	10K 1%		Rohm Semiconductor	MCR01MZPF1002	402	RES 10K OHM 1/16W 1% 0402 SMD
23	4	R6,R7,R8,R9	4.7K		Rohm Semiconductor	MCR01MZPJ472	402	RES 4.7K OHM 1/16W 5% 0402 SMD
24	15	R4,R5,R11,R12,R13,R14,R22,R23,R24,R25,R38,R39,R46,R47,R48	1K		Rohm Semiconductor	MCR01MZPJ102	402	RES 1.0K OHM 1/16W 5% 0402 SMD
25	8	R16,R28,R30,R31,R35,R37,R40,R41	330		Rohm Semiconductor	MCR01MZPJ331	402	RES 330 OHM 1/16W 5% 0402 SMD
26	1	R33	1.87K		Vishay / Dale	CRCW04021K87FKED	402	RES 1.87K OHM 1/16W 1% 0402 SMD
27	1	R34	4.99K		Vishay / Dale	CRCW04024K99FKED	402	RES 4.99K OHM 1/16W 1% 0402 SMD
28	1	R21	9.53K 1%		Rohm Semiconductor	MCR01MRTF9531	402	RES 9.53K OHM 1/16W 1% 0402 SMD
29	1	U1	TUSB8044 - USB 3.0 Hub		Texas Instruments	TUSB8044RGC	64QFN	
30	1	U2	AT24C04 12C EEPROM		Assmann WSW Components	A 08-LC-TR	8DIP	CONN IC DIP SOCKET 8POS TIN
31	4	U7,U8,U9,U10	TPS2001C		Texas Instruments	TPS2001CDGN	8DGN	IC PWR SW USB 2.87A 1CH 8MSOP
32	1	U4	TPS7A4533 - 3.3V Voltage Regulator		Texas Instruments	TPS7A4533KIT	DDPAK-5	IC REG LDO 3.3V 1.5A 5-DDPAK
33	1	U6	TPS74801RGW - 1.1V Voltage Regulator		Texas Instruments	TPS74801RGW	20VQFN	IC REG LDO 1.5A 20VQFN
34	1	Y1	ECS-24MHZ Crystal		ECS	ECS-240-20-30B-TR	5.0mm x 3.2mm	CRYSTAL 24.000 MHZ 20PF SMD
35	4	PCB Standoff	PCB Standoff		Keystone Electronics	2203		HEX STANDOFF 4-40 ALUMINUM 1/2"
36	4	Screw	Screw		Keystone Electronics	9900		MACHINE SCREW PAN PHILLIPS 4-40
37	1	FB2	0 ohm		Yageo	RC0603JR-070RL	603	RES 0.0 OHM 1/10W 0603 SMD
38	0	JP6	Conn 2x5 shroud - NO POP		3M	2510-6003UB	HDR5X2 M 0.1" TH	
39	6	J7,J8,J9,J10,J11,J12	Header 1x2		3M	961102-6404-AR	HDR2X1 M 0.1" TH	CONN HEADER VERT SGL 2POS GOLD
40	1	J13	Header 3PIN		3M	961102-6404-AR	HDR2X1 M 0.1" TH	CONN HEADER VERT SGL 2POS GOLD
41	1	SW3	Power Switch - L101011MS02Q		C&K Components	L101011MS02Q	SPST	
42	0	GND1, GND2	NOPOP					
43	1	LB1	sticker		3M	695-WHITE-2"X36VD		add text: TUSB8044RGCEVM INT077-001 REV A
44	6	Shunt	Shunt		3M	969102-0000-DA		Place shunts on: J7,J8,J9,J10,J11,J12
45	1	PCB BOARDS	TUSB8044RGCEVM			INT077-001		TUSB8044RGCEVM PCBBOARD

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