



Bill of Materials for the FUSB3307MX-PPS-GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1 C2 C3 C4 C5 C8 C11 C15 C26	9	Capacitor	10uF	50V	1210	TDK	CGA6P3X7S1H106K250AE	Yes	Yes
C6 C31 C38 C39	4	Capacitor	1uF	10V	0402	Murata	GCM155C71A105KE38	Yes	Yes
C7 C19	2	Capacitor	1uF	25V	0603	Murata	GCM188R71E105KA64	Yes	Yes
C9 C10 C12	3	Capacitor	4.7uF	10V	0805	Murata	GCM21BC71A475KA73L	Yes	Yes
C13 C14	2	Capacitor	0.1uF	50V	0603	Murata	GCM188R71H104KA57D	Yes	Yes
C16	1	Capacitor	330uF	35V	TH 8mm	Illinois	337AVG035MGBJ	Yes	Yes
C17	1	Capacitor	100uF	35V	TH 8mm	Nichicon	RL81V101MDN1KX	Yes	Yes
C20 C21	2	Capacitor	10nF	50V	0402	Murata	GCM155R71H103KA55D	Yes	Yes
C22	1	Capacitor	1uF	16V	0603	Murata	GCM188R71C105KA64J	Yes	Yes
C23 C25 C32 C35	4	Capacitor	1nF	50V	402	Murata	GCM155R71H102KA37D	Yes	Yes
C24 C27	2	Capacitor	390pF	50V	0402	Murata	GRM1555C1H391JA01D	Yes	Yes
C28	1	Capacitor	22pF	16V	0402	Kemet	C0402C220J4GACAUTO	Yes	Yes
C29	1	Capacitor	0.1uF	16V	0402	Taiyo Yuden	EMK105BJ104KVHF	Yes	Yes
C30	1	Capacitor	0.47uF	35V	0402	Murata	GRT155R6YA474KE01D	Yes	Yes
C33	1	Capacitor	47nF	50V	0402	Murata	GRM155R71H473KE14D	Yes	Yes
C34	1	Capacitor	10pF	50V	0402	Murata	GRM1555C1H100GA01D	Yes	Yes
C36 C37	2	Capacitor	1uF	16V	0402	Murata	GRM155C81C105KE11D	Yes	Yes
C40	1	Capacitor	DNP		0402		DNP	Yes	Yes
								Yes	Yes
D1 D2	2	Diode	NSVR0240V2	40V	SOD-523	ON Semiconductor	NSVR0240V2T1G	No	Yes
D3	1	Diode	SZMM3Z18VT1G	18V	SOD-323	ON Semiconductor	SZMM3Z18VT1G	No	Yes
D4	1	Diode	SZNZ9F3V3	3.3V	SOD-923	ON Semiconductor	NZ9F3V3T5G	No	Yes
D5	1	Diode	SZ1SMB30CAT3G	30V	SMB	Littelfuse	SZ1SMB30CAT3G	Yes	Yes
D6 D7 D9	3	Diode	SZESD7241	25V	X2DFN2	ON Semiconductor	SZESD7241N2T5G	No	Yes
								Yes	Yes
FB1	1		50@100M		1206	Murata	BLM31SN500SZ1L	Yes	Yes
								Yes	Yes
J1	1		632 723 300 011			Würth Elektronik	632723300011	Yes	Yes

J2 J4 J5	3		613 002 111 21		1x2pin 100mil	Wurth Elektronik	61300211121	Yes	Yes
J3	1		691216710002		2-Pin Screw	Weidmuller	1716020000	Yes	Yes
J6	1		DNP		SGAP0	Wurth Elektronik	DNP	Yes	Yes
								Yes	Yes
L1	1		4.2 uH			Wurth Elektronik	744 325 420	Yes	Yes
L2	1		160nH		7x7mm	Coilcraft	XAL5030-161MEC	Yes	Yes
								Yes	Yes
Q1 Q2 Q3 Q4	4		NVTFS4C10N	30V	u8-FL	ON Semiconductor	NVTFS4C10NWF1AG	No	Yes
Q5	1		NVTFS002N04CL	40V	u8-FL	ON Semiconductor	NVTFS002N04CLTAG	No	Yes
Q6	1		NVMFS5A140PLZ	-40V	SO8-FL	ON Semiconductor	NVMFS5A140PLZWFT1G	No	Yes
Q7 Q8	2		2V7002W	60V	SOT-323	ON Semiconductor	2V7002WT1G	No	Yes
Q9 Q10 Q11	3		2V7002L	60V	SOT-23	ON Semiconductor	2V7002LT1G	No	Yes
								Yes	Yes
R1 R24	2	Resistor	0.005		2512	Panasonic	ERJ-M1WSF5M0U	Yes	Yes
R2	1	Resistor	0.004		2512	Panasonic	ERJ-M1WSF4M0U	Yes	Yes
R3	1	Resistor	20k		0402	Yageo	RC0402FR-0720KL	Yes	Yes
R4 R5 R11 R12 R29 R30	6	Resistor	0		0402	Yageo	RC0402JR-070RL	Yes	Yes
R6	1	Resistor	10k		0603	Yageo	SR0603FR-7T10KL	Yes	Yes
R7 R8	2	Resistor	1.0		0402	Yageo	RC0402FR-071RL	Yes	Yes
R9 R10	2	Resistor	4.02		0402	Vishay	CRCW04024R02FKEDC	Yes	Yes
R13 R15 R17 R18 R49	5	Resistor	10		0402	Yageo	RC0402FR-0710RL	Yes	Yes
R16	1	Resistor	1k		1206	Vishay	CRCW12061K00JNEA	Yes	Yes
R20	1	Resistor	6.8k		0402	Yageo	RC0402FR-076K8L	Yes	Yes
R21	1	Resistor	301k		0402	KOA Speer	RK73H1ETTP3013F	Yes	Yes
R22 R23	2	Resistor	24.3k		0402	Yageo	RC0402FR-0724K3L	Yes	Yes
R25 R35 R52 R53	4	Resistor	DNP		0402		DNP	Yes	Yes
R26 R27 R28 R32 R37 R42 R45 R48 R54 R57	10	Resistor	10k		0402	Yageo	RC0402FR-0710KL	Yes	Yes
R31	1	Resistor	7.32k		0402	Vishay	CRCW04027K32FKED	Yes	Yes
R33 R43 R44	3	Resistor	1K		0402	Yageo	RC0402FR-071KL	Yes	Yes
R36 R41	2	Resistor	100k		0402	Yageo	RC0402FR-07100KL	Yes	Yes
R38	1	Resistor	13.3k		0402	Yageo	RC0402FR-0713K3L	Yes	Yes
R39	1	Resistor	120k		0402	Yageo	RC0402FR-07120KL	Yes	Yes
R40	1	Resistor	34K		0402	Yageo	RC0402FR-0734KL	Yes	Yes
R46	1	Resistor	15.4K		0402	Panasonic	ERA-2AEB1542X	Yes	Yes
R47	1	Resistor	1K		0402	Panasonic	ERA-2AEB102X	Yes	Yes
R50 R51	2		82.5		1210	Panasonic	ERJ-14NF82R5U	Yes	Yes
R55	1		24.9K		0402	Panasonic	ERA-2AEB2492X	Yes	Yes
R56	1		249K		0402	TE	RP73PF1E249KBDT	Yes	Yes
								Yes	Yes
RT1	1		100k		0402	Murata	NCP15WF104F03RC	Yes	Yes
								Yes	Yes
TP1 TP2 TP9 TP15 TP17	5		5007		63mil	Keystone Electronics	5006	Yes	Yes
								Yes	Yes
U1	1		NCT375		DFN8 2x2mm	ON Semiconductor	NCT375MNR2G	No	Yes
U2	1		NCV81599		QFN32 5x5	ON Semiconductor	NCV81599MWTXG	No	Yes
U3	1		NCV213R		SC-70-6	ON Semiconductor	NCV213RSQT2G	No	Yes
U4	1		CAT24C512		UDFN-8	ON Semiconductor	CAT24C512HU5IGT3	No	Yes
U5	1		FUSB3307		SOIC-14	ON Semiconductor	FUSB3307D6	No	Yes
U6	1		DNP		QFNW20	ON Semiconductor	DNP	No	Yes
U7	1		NIV1161		WDFN6	ON Semiconductor	NIV1161MTTAG	No	Yes
								Yes	Yes
	1		DNP			Tripp Lite	DNP	Yes	Yes