



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		TDK	CGA6P3X7S1H106K250AE	Yes	Yes
C6 C31 C38 C39	4	Capacitor	1uF	10V		Murata	GCM155C71A105KE38	Yes	Yes
C7 C19	2	Capacitor	1uF	25V		Murata	GCM188R71E105KA64	Yes	Yes
C9 C10 C12	3	Capacitor	4.7uF	10V		Murata	GCM21BC71A475KA73L	Yes	Yes
C13 C14	2	Capacitor	0.1uF	50V		Murata	GCM188R71H104KA57D	Yes	Yes
C16	1	Capacitor	330uF	35V		Illinois	337AVG035MGBJ	Yes	Yes
C17	1	Capacitor	100uF	35V		Nichicon	RL81V101MDN1KX	Yes	Yes
C20 C21	2	Capacitor	10nF	50V		Murata	GCM155R71H103KA55D	Yes	Yes
C22	1	Capacitor	1uF	16V		Murata	GCM188R71C105KA64J	Yes	Yes
C23 C25 C32 C35	4	Capacitor	1nF	50V		Murata	GCM155R71H102KA37D	Yes	Yes
C24 C27	2	Capacitor	390pF	50V		Murata	GRM1555C1H391JA01D	Yes	Yes
C28 C29 C40	3	Capacitor	DNP				DNP	Yes	Yes
C30	1	Capacitor	0.47uF	35V		Murata	GRT155R6YA474KE01D	Yes	Yes
C33	1	Capacitor	47nF	50V		Murata	GRM155R71H473KE14D	Yes	Yes
C34	1	Capacitor	10pF	50V		Murata	GRM1555C1H100GA01D	Yes	Yes
C36 C37	2	Capacitor	1uF	16V		Murata	GRM155C81C105KE11D	Yes	Yes
		Capacitor						Yes	Yes
D1 D2	2	Capacitor	NSVR0240V2	40V		ON Semiconductor	NSVR0240V2T1G	No	Yes
D3	1	Diode	SZMM3Z18VT1G	18V		ON Semiconductor	SZMM3Z18VT1G	No	Yes
D4	1	Diode	SZM9F3V3	3.3V		ON Semiconductor	NZ9F3V3T5G	No	Yes
D5	1	Diode	SZ1SMB30CAT3G	30V		Littelfuse	SZ1SMB30CAT3G	Yes	Yes
D6 D7 D9	3	Diode	SZESD7241	25V		ON Semiconductor	SZESD7241N2T5G	No	Yes
		Diode						Yes	Yes
FB1	1		50@100M			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			Würth Elektronik	61300211121	Yes	Yes
J3	1		691216710002			Weidmuller	1716020000	Yes	Yes

J6	1	Inductor	SGAP0			Würth Elektronik	613016243121	Yes	Yes
		Inductor						Yes	Yes
L1	1		4.2 uH			Würth Elektronik	744 325 420	Yes	Yes
L2	1		160nH			Coilcraft	XAL5030-161MEC	Yes	Yes
								Yes	Yes
Q1 Q2 Q3 Q4	4		NVTFS4C10N	30V		ON Semiconductor	NVTFS4C10NWFTAG	No	Yes
Q5	1		NVTFS002N04CL	40V		ON Semiconductor	NVTFS002N04CLTAG	No	Yes
Q6	1	Resistor	NVMFSSA140PLZ	-40V		ON Semiconductor	NVMFSSA140PLZWFT1G	No	Yes
Q7 Q8	2	Resistor	2V7002W	60V		ON Semiconductor	2V7002WT1G	No	Yes
Q9 Q10 Q11	3	Resistor	2V7002L	60V		ON Semiconductor	2V7002LT1G	No	Yes
		Resistor						Yes	Yes
R1 R24	2	Resistor	0.005			Panasonic	ERJ-1M1WSF5M0U	Yes	Yes
R2	1	Resistor	0.004			Panasonic	ERJ-1M1WSF4M0U	Yes	Yes
R3	1	Resistor	20k			Yageo	RC0402FR-0720KL	Yes	Yes
R4 R5 R11 R12 R29 R30	6	Resistor	0			Yageo	RC0402JR-070RL	Yes	Yes
R6	1	Resistor	10k			Yageo	SR0603FR-7T10KL	Yes	Yes
R7 R8	2	Resistor	1.0			Yageo	RC0402FR-071RL	Yes	Yes
R9 R10	2	Resistor	4.02			Vishay	CRCW04024R02FKEDC	Yes	Yes
R13 R15 R17 R18 R49	5	Resistor	10			Yageo	RC0402FR-0710RL	Yes	Yes
R16	1	Resistor	1k			Vishay	CRCW12061K00JNEA	Yes	Yes
R20	1	Resistor	6.8k			Yageo	RC0402FR-076K8L	Yes	Yes
R21	1	Resistor	301k			KOA Speer	RK73H1ETTP3013F	Yes	Yes
R22 R23	2	Resistor	24.3k			Yageo	RC0402FR-0724K3L	Yes	Yes
R25 R31 R35 R52 R53	5	Resistor	DNP				DNP	Yes	Yes
R26 R27 R28 R32 R37 R42 R45 R48 R54 R57	10	Resistor	10k			Yageo	RC0402FR-0710KL	Yes	Yes
R33 R43 R44	3	Resistor	1K			Yageo	RC0402FR-071KL	Yes	Yes
R36 R41	2	Resistor	100k			Yageo	RC0402FR-07100KL	Yes	Yes
R38	1	Resistor	13.3k			Yageo	RC0402FR-0713K3L	Yes	Yes
R39	1	Resistor	120k			Yageo	RC0402FR-07120KL	Yes	Yes
R40	1	Resistor	34K			Yageo	RC0402FR-0734KL	Yes	Yes
R46	1	Resistor	15.4K			Panasonic	ERA-2AEB1542X	Yes	Yes
R47	1	Resistor	1K			Panasonic	ERA-2AEB102X	Yes	Yes
R50 R51	2	Resistor	82.5			Panasonic	ERJ-14NF82R5U	Yes	Yes
R55	1	Resistor	24.9K			Panasonic	ERA-2AEB2492X	Yes	Yes
R56	1	Resistor	249K			TE	RP73PF1E249KBTD	Yes	Yes
								Yes	Yes
RT1	1		100k			Murata	NCP15WF104F03RC	Yes	Yes
								Yes	Yes
TP1 TP2 TP9 TP15 TP17	5		5007			Keystone Electronics	5006	Yes	Yes
								Yes	Yes
U1	1		NCT375			ON Semiconductor	NCT375MNR2G	No	Yes
U2	1		NCV81599			ON Semiconductor	NCV81599MWTXG		
U3	1		NCV213R			ON Semiconductor	NCV213RSQT2G		
U4	1		CAT24C512			ON Semiconductor	CAT24C512HU5IGT3		
U5	1		DNP			ON Semiconductor	DNP		
U6	1		FUSB3307			ON Semiconductor	FUSB3307D6MNNWTWG		
U7	1		NIV1161			ON Semiconductor	NIV1161MTTAG		
	1					Tripp Lite	U030-003-COIL		