



Bill of Materials for the FUSB307BGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	CAP CER 10000PF 100V X7R 0603	0.01uF	10%	0603	TDK	TDK C1608X7R2A103K080AA	YES	YES
C2-11	10	CAP CER 0.1UF 25V 10% X7R 0603	0.1uF	10%	0603	TDK	TDK C1608X7R1E104K080AA	YES	YES
C12-21	10	CAP CER 1UF 16V 10% X5R 0603	1uF	10%	0603	TDK	TDK C1608X5R1C105K080AA	YES	YES
C22,23,24	3	CAP CER 4.7UF 10V 10% X5R 0603	4.7uF	10%	0603	TDK	TDK CGB3B1X5R1A475K055AC	YES	YES
C25	1	CAP CER 10UF 16V 10% X5R 0805	10uF	10%	0805	TDK	TDK C2012X5R1C106K085AC	YES	YES
C26	1	CAP CER 100uF 10V 1206	100uF	10%	1206	TDK	TDK C3216JB1A107M160AC	YES	YES
C27,28	2	CAP CER 220PF 50V C0G 0603	220pF		0603	TDK	TDK C1608C0G1H221J080AA	YES	YES
								YES	YES
D1-6	6	LED630NM RED WTR CLR 0805 SMD	Red LED		0805	ROHM	Rohm SML-211UTT86	YES	YES
D7,8	2	TVS DIODE 5.5VWM 25VC SL2-2			0201	TDK	TDK DF2B6M4SL,L3F	YES	YES
D9	1	TVS DIODE 26VWM 42.1VC SOD123W			1206	NXP	NXP PTVS26VS1UR,115	YES	YES
D10,11	2	Diode Schottky 10V 4A			403-03	ON SEMICONDUCTOR	ON MBRS410LT3G	YES	YES
								YES	YES
J1	1	USB TYP C MD MNT DL RW SMT RECEPT			TYPE-C_USB_CONN	JAE	JAE DX07B024JJ1R1500	YES	YES
J3	1	CONN RCPT REV MICRO USB TYPE B			MICRO USB SM	FCI	FCI 10103592-0001LF	YES	YES
								YES	YES
JP1,2,5,16,19,20,21	7	8 Pos Hdr Conn 0.079" (2.00mm) Through Hole Gold			3 PIN 2mm HEADER	3M	3M 951108-8622-AR	YES	YES
JP3,6,8,9,10,11,12,13,15	9	8 Pos Hdr Conn 0.079" (2.00mm) Through Hole Gold			2 PIN 2mm HEADER	3M	3M 951108-8622-AR	YES	YES
	15	CONN JUMPER SHORTING 2MM GOLD			2mm JUMPER	SULLINS	SULLINS SPN02SXCN-RC	YES	YES
OV1, OV2	2	603 DUAL 0 OHM JUMPER	0 OHM		0603	Digikey	P0.0GCT-ND	YES	YES
								YES	YES
Q1	1	MOSFET N-CH 60V 115MA SOT-323			SOT-323	ON SEMICONDUCTOR	ON 2N7002W	YES	YES
								YES	YES
R1,2,6,11,12,28	6	0 Ohm Resistor	0		0603	PANSONIC	Panasonic ERJ-3GEY0R00V	YES	YES
R13	1	1% Resistor	200K	1%	0603	PANSONIC	Panasonic ERJ-3EKF2003V	YES	YES
R14	1	1% Resistor	287	1%	0603	PANSONIC	Panasonic ERJ-3EKF2870V	YES	YES
R15	1	1% Resistor	309	1%	0603	PANSONIC	Panasonic ERJ-3EKF3090V	YES	YES

R16	1	1% Resistor	470	1%	0603	PANSONIC	Panasonic ERJ-3EKF4700V	YES	YES
R17-22	6	1% Resistor	1K	1%	0603	PANSONIC	Panasonic ERJ-3EKF1001V	YES	YES
R23	1	1% Resistor	1.3K	1%	0603	PANSONIC	Panasonic ERJ-3EKF1301V	YES	YES
R24,25	2	1% Resistor	2.2K	1%	0603	PANSONIC	Panasonic ERJ-3EKF2201V	YES	YES
R26	1	1% Resistor	2.5K	1%	0603	PANSONIC	Panasonic ERJ-3EKF2491V	YES	YES
R27,29,30,31,36,37	6	1% Resistor	10K	1%	0603	PANSONIC	Panasonic ERJ-3EKF1002V	YES	YES
R32	1	1% Resistor	30K	1%	0603	PANSONIC	Panasonic ERJ-3EKF3002V	YES	YES
R33	1	1% Resistor	1M	1%	0603	PANSONIC	Panasonic ERJ-3EKF1004V	YES	YES
R34,35	2	1% Resistor	100K	1%	0603	PANSONIC	Panasonic ERJ-3EKF1003V	YES	YES
								YES	YES
SW1,2	2	SWITCH TACTILE SPST-NO 0.05A 12V				E-SWITCH	E-Switch TL3301AF160QG	YES	YES
								YES	YES
TP4,9,10,12,13	5	TEST POINT PC MINI .040"D RED	RED		TEST POINT	KEYSTONE	Keystone 5010	YES	YES
TP15,16,17	3	TEST POINT PC MINI .040"D BLACK	BLACK		TEST POINT	KEYSTONE	Keystone 5011	YES	YES
								YES	YES
U1	1	USB TYPE-C PORT CONTROLLER W/USB-PD			MLP16	ON SEMICONDUCTOR	ON FUSB307B	NO	YES
U2	1	28V/5A RATED CURRENT LIMIT SWITCH			WLCSP24	ON SEMICONDUCTOR	FAIRCHILD FPF2895CUCX	NO	YES
U3	1	Intergrated SINK/SOURCE, OVP, OCP SWITCH			WLCSP40	ON SEMICONDUCTOR	FPF3695	NO	YES
U4	1	IC REG LDO ADJ 0.15A			SOT23-5	ON SEMICONDUCTOR	ON NCP4623HSNADJT1G	NO	YES
U5	1	IC LOAD SWITCH CURR LIMIT 12WLCS			WLCSP12	ON SEMICONDUCTOR	ON FPF2595UCX	NO	YES
U6	1	IC MCU 32BIT 128KB FLASH 48LQFP			48LQFP	ST MICRO	ST MICRO STM32F072CBT6	NO	YES