



Bill of Materials for the FUSB251GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,2,3	3	CAP CER 1UF 16V 10% X5R 0603	1uF	10%	603	TDK	TDK C1608X5R1C105K080AA	YES	YES
C4,5	2	CAP CER 220PF 50V COG 0603	220pf	-	603	TDK	TDK C1608C05H221J080AA	YES	YES
C4,5	2	CAP CER 220PF 50V NPO 0603	220pf	-	603	TDK	TDK C1608NP01H221J080AA	YES	YES
C6,7	2	CAP CER 10UF 10V X5R 0603	10uF	-	603	TDK	TDK C1608X5R1A106K080AC	YES	YES
C8,9	2	CAP CER 2.2UF 16V X7S 0603	2.2uF	-	603	TDK	TDK CGA3E1X7S1C225K080AC	YES	YES
C10,11,12,13	4	CAP CER 0.1UF 25V 10% X7R 0603	0.1uF	10%	603	TDK	TDK C1608X7R1E104K080AA	YES	YES
C14,15	2	CAP CER 4.7UF 10V 10% X5R 0603	4.7uF	10%	603	TDK	TDK CGB3B1X5RTA475K055AC	YES	YES
C16	1	CAP CER 10000PF 100V X7R 0603	0.01uF	-	603	TDK	TDK	YES	YES
								YES	YES
D1,2,3,4	4	TVS DIODE 18.5V 35V 2X3DFN		-	TVS_0201	ON Semiconductor	ON SEMI ESD7181MUT5G	NO	YES
D5,6,7,8,9	5	LED GREEN CLEAR 1206 SMD	GREEN	-	1206_LED	Lumex	LUMEX OPTO SML-LX1206SUGC-TR	YES	YES
								YES	YES
J1	1	SMD		-	CONN 24P	AMPHENOL	AMPHENOL 12401832E402A	YES	YES
J2	1	EDGE		-	PLG SM	JAE	JAE DX07P024MJ1R1500	YES	YES
J3	1	B		-	MICRO USB SM	FCI	FCI 10103592-0001LF	YES	YES
J5	1	50 Positions Header, Unshrouded Conn 0.100"		-	6 PIN 0.100" HEADER		SAMTEC TSW-150-07-L-5	YES	YES
						SAMTEC		YES	YES
JP1-23,25,26	25	Gold		-	HEADER		3M 951108-8622-AR	YES	YES
JP24	1	8 Pos Hdr Conn 0.079" (2.00mm) TH	Gold	-	3 PIN 2mm HEADER		3M 951108-8622-AR	YES	YES
JP1-5,11-26	21	GOLD		-	Short	Sullins	Sullins SPN025XCNC-RC	YES	YES
								YES	YES
R1-10	10	1% Resistor	300K	1%	603	Panasonic	Panasonic ERJ-3EKF3003V	YES	YES
R11,12,13,14	4	1% Resistor	1K	1%	603	Panasonic	Panasonic ERJ-3EKF1001V	YES	YES
R15,16	2	1% Resistor	4.7K	1%	603	Panasonic	Panasonic ERJ-3EKF4701V	YES	YES
R17,18,19,20	4	1% Resistor	10K	1%	603	Panasonic	Panasonic ERJ-3EKF1002V	YES	YES
R21	1	1% Resistor	15K	1%	603	Panasonic	Panasonic ERJ-3EKF1502V	YES	YES
R22	1	1% Resistor	19.1K	1%	603	Panasonic	Panasonic ERJ-3EKF1912V	YES	YES
R23	1	1% Resistor	100K	1%	603	Panasonic	Panasonic ERJ-3EKF1003V	YES	YES
R24	1	RES SMD 0 OHM JUMPER 1/10W 0603	0	-	603	Panasonic	Panasonic ERJ-3GEY0R00V	YES	YES
								YES	YES
SW1,2	2	SWITCH TACTILE SPST-NO 0.05A 12V		-	SMD SWITCH		E-Switch TL3301AF160QG	YES	YES
								YES	YES

TP1,2,3,4,5	5	TEST POINT PC MINI .040"D RED	RED	-	0.040" TH	Keystone	KEYSTONE 5000	YES	YES
TP6,7,8	3	TEST POINT PC MINI .040"D BLACK	BLACK	-	0.040" TH	Keystone	KEYSTONE 5001	YES	YES
				-				YES	YES
U1	1	IC TYPE-C CC AND SBU PROTECTION		-	WLCSP15	ON Semiconductor	ON FUS8251UCX	NO	YES
U2	1	IC MCU 32BIT 128KB FLASH 48LOFP		-	STM32F072CB		ST MICRO STM32F072CBT6	YES	YES
U3,4	2	IC REG LDO ADJ 0.1A		-	SOT23-5	ON Semiconductor	ON FAN2500	NO	YES