



Bill of Materials for the FUSB301AGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C2,C3	2	CAP CER 0.1UF 50V 10% X7R 0402	0.1uF	10%	402	TDK Corporation	CGA2B3X7R1H104K050BB		Yes
C7,C9	2	CAP CER 1UF 50V 10% X7R 0603	1uF	10%	603	Taiyo Yuden	LMK107AB7105KA-T		Yes
C10-11	2	CAP CER 22PF 50V 10% NP0 0603	22pF	10%	603	Kemet	C0603C220K5GACTJU		Yes
C13	1	CAP CER 2.2UF 10V 10% X7R 0603	2.2uF	10%	603	Taiyo Yuden	LMK107B7225KA-T		Yes
C14	1	CAP CER 4.7UF 10V 10% X7S 0603	4.7uF	10%	603	TDK Corporation	C1608X7S1A475K080AC		Yes
C12	1	CAP CER 10UF 10V 20% X7T 0603	10uF	20%	603	Murata Electronics North America	GRM188D71A106MA73D		Yes
C6-C8	2	CAP CER 200PF 50V 5% NP0 0402	200pF	5%	402	Murata Electronics North America	GRM1555C1H201JA01D		Yes
C1,C4,C5	3	CAP CER 0.1UF 50V 10% X7R 0402	0.1uF	10%	402	TDK Corporation	CGA2B3X7R1H104K050BB		Yes
U4	1	IC REG LDO ADJ 0.1A SOT23-5			FAN2500	Fairchild Semiconductor	FAN2500SX		Yes
U3	1	IC LOAD SWITCH BIDIR 6V 12CSP				Fairchild Semiconductor	FPF2411BUCX_F130		Yes
U2	1	MLP40P160X120X40-10N	FUSB301						Yes
U1	1	IC MCU 32BIT 128KB FLASH 28SSOP			SSOP	Microchip Technology	PIC32MX250F128B-I/SS		Yes
J1,J2,J5	3	HEADER2pin100 mil pitch, 40 mil/60 mil pad				3M	961102-6404-AR	Yes	Yes
D1..D5	2	LED 2X1.2MM 525NM GA WTR CLR SMD			805	Kingbright	APT201223GC		Yes
R1	1	RES SMD 100 OHM 1% 1/8W 0603	100	1%	603	Stackpole Electronics Inc	RNCP0603FTD100R		Yes
R2	1	RES SMD 4.7K OHM 1% 1/8W 0603	4.7K	1%	603	Vishay Beyschlag	MCT06030C4701FP500		Yes
R3..R19	2	RES SMD 330 OHM 1% 1/8W 0603	330	1%	603	Vishay Beyschlag	MCT06030C3300FP500		Yes
R4,R5,R8,R11,R	7	RES SMD 10K OHM 1% 1/8W 0603	10K	1%	603	Vishay Beyschlag	MCT06030C1002FP500		Yes
R21	1	RES SMD 15K OHM 0.1% 0.15W 0603	15K	0%	603	Vishay Thin Film	PATT0603E1502BGT1		Yes
R18,R15,R6	3	RES SMD 100K OHM 1% 1/8W 0603	100K	1%	603	Vishay Beyschlag	MCT06030C1003FP500		Yes
R13	1	RES SMD 10K OHM 1% 1/8W 0805	10K	1%	805	TE Connectivity	1623097-1		Yes
R12	1	RES SMD 0 OHM 1/8W 0805	0		805	Yageo	RC0805JR-070RL		Yes
R7,R9,R16	3	RES SMD 0.OHMH JUMPER 1/10W 06	0 OHM		603	Yageo	RC0603JR-070RL		Yes
R10	1	RES SMD 10 OHM 1% 1/8W 0603	10	1%	603	Stackpole Electronics Inc	RNCP0603FTD10R0		Yes
SW 1	1	SWITCH TACTILE SPST-NO 0.05A 12V	BootLoader			E-Switch	TL3301AF160QG		Yes
TP1-TP15	15	PC TEST POINT MINIATURE SMT			5015	Keystone Electronics		5015	Yes
Y1	1	CRYSTAL 12MHZ 20PF SMD				ECS Inc	ECS-120-20-30B-DU		Yes
J4	1	CONN RCPT REV MICRO USB TYPE B				FCI	10103592-0001LF		Yes
J6	1	USB TYP C MD MNT DL RW SMT RECP			DX07B024J1R15	JAE Electronics	DX07B024J1R1500		Yes
R22	1	RES SMD 10K OHM 1% 1/8W 0603	10K	1%	603	Vishay Beyschlag	MCT06030C1002FP500		Yes
J3	1	HEADER_6pins100 mil pitch, 40 mil/60 mil	PROG						Yes
D2,D3,D4	3	TVS DIODE 0402				Murata Electronics North America	LXES15AAA1-100		Yes