Bill of Materials for the FUSB303GEVB Evaluation Board

ON Semiconductor®

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,2	2	CAP CER 1UF 16V 10% X5R 060	1uF	10%	603	TDK Corporation	445-1416-2-ND	YES	YES
C3,4,5,6,7	5	CAP CER 0.1UF 25V 10% X7R 0603	0.1uF	10%	603	TDK Corporation	445-1316-1-ND	YES	YES
C8,9	2	CAP CER 200PF 50V 1% NP0 0603	200pF	1%	603	TDK Corporation	478-6030-1-ND	YES	YES
C10	1	CAP CER 4.7UF 25V 10% X5R 0805	4.7uF	10%	805	TDK Corporation	445-4116-1-ND	YES	YES
C11,12	2	CAP CER 22PF 50V 5% NP0 0603	22pF	5%	603	TDK Corporation	445-1273-1-ND	YES	YES
C13	1	CAP CER 2.2UF 16V 10% X7R 0805	2.2uF	10%	805	TDK Corporation	445-1420-1-ND	YES	YES
C14	1	CAP CER 10UF 16V 10% X5R 0805	10uF	10%	805	TDK Corporation	445-7644-1-ND	YES	YES
									YES
D1,5	2	LED ALINGAP GREEN CLEAR 1206			1206_LED	Lumex Opto/Components Inc.	67-1698-1-ND		YES
D4	1	TVS UNI-DIR 26V 400W SOD123W			1206	Nexperia USA Inc.	568-7453-1-ND		YES
D2,3	2	DIODE ZENER 5.1V 200MW 1005			1005	Bourns Inc.	CD1005-Z5V1CT-ND		YES
D2,3 Alternate		DIODE ZENER 5.6V 200MW 1005			1005	Comchip Technology	641-1062-1-ND		YES
J1	1	USB TYP C MD MNT DL RW SMT RECEP			TYPE-C_USB_CONN	JAE Electronics	670-2795-1-ND		YES
J2	1	CONN RCPT REV MICRO USB TYPE B			MICRO USB SM	Amphenol FCI	609-4048-1-ND		YES
J3	1	CONN HEADER 50POS .100" SGL GOLD			6 PIN HEADER	Samtec Inc.	SAM1029-50-ND		YES
JP1,2,3	3	CONN HEADER 50POS .100" SGL GOLD			SINGLE 0.100" JUMPER	Samtec Inc.	SAM1029-50-ND		YES
JP4,5,6	3	CONN HEADER 50POS .100" SGL GOLD			DUAL 0.100" JUMPER	Samtec Inc.	SAM1029-50-ND		YES
									YES
R1,2,3,4,5,6,7,8,9	9	1% Resistor	10KΩ	1%	R_0603	Panasonic Electronic Components	P10.0KHCT-ND	YES	YES
R10,11	2	1% Resistor	100KΩ	1%	R_0603	Panasonic Electronic Components	P100KHCT-ND	YES	YES
R12,13,14	3	0 Ohm Resistor	0Ω		R_0603	Panasonic Electronic Components	P0.0GCT-ND	YES	YES
R15,16	2	1% Resistor	330Ω	1%	R_0603	Panasonic Electronic Components	P330HCT-ND	YES	YES
R17	1	1% Resistor	100Ω	1%	R_0603	Panasonic Electronic Components	P100HCT-ND	YES	YES
R18	1	1% Resistor	15KΩ	1%	R_0603	Panasonic Electronic Components	P15.0KHCT-ND	YES	YES
R19	1	1% Resistor	10Ω	1%	R_0603	Panasonic Electronic Components	P10.0HCT-ND	YES	YES
R20	1	1% Resistor	4.7KΩ	1%	R_0603	Panasonic Electronic Components	P4.70KHCT-ND	YES	YES
SW1	1	SWITCH TACTILE SPST-NO 0.05A 12V			SMT SWITCH	**E-Switch**	EG2526CT-ND		YES
TP1-3,5-15	14	PC TEST POINT MINIATURE SMT			TEST POINT	**Keystone Electronics**	36-5015DKR-ND		YES
U1	1	AUTONOMOUS USB TYPE-C PORT CONTROLLER			TMLP12				YES
U2	1	LOAD SWITCH BIDIR 6V 12CSP			WLCSP12_FPF2411	**ON Semiconductor**	FPF2411BUCX_F130CT-ND		YES
U3	1	IC MCU 32BIT 128KB FLASH 28SSOP			SSOP28	**Microchip Technology**	PIC32MX250F128B-I/SS-ND		YES
U4	1	IC REG LDO ADJ 0.1A SOT23-5			SOT23-5	**ON Semiconductor**	FAN2500SXCT-ND		YES
									YES
Y1	1	CRYSTAL 12MHZ 20PF SMD			SMD	ECS Inc.	XC1511CT-ND		YES
X1-X4	4	BUMPER CYLIN 0.312" DIA BLK			Rubber Foot	3M	SJ5746-0-ND		YES