



## Bill of Materials for the LC709203FXE-01-GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
ALRT, SCL, SDA, TMP2, VDD, VSS, VSS1	7	Dip Terminal	-	-	ST-2-2	MAC8	ST2-2	Yes	Yes
BAT+, BAT-, TMP1	3	Dip Terminal	-	-	ST-2-2	MAC8	NM	Yes	Yes
C1	0	SMD Capacitor, DNP	*u,16V	10%	1005	Murata	GRM155B31CXXXKA12#	Yes	Yes
C2	1	SMD Capacitor	1u,16V	10%	1005	Murata	GRM155B31C105KA12#	Yes	Yes
C3, C4	2	SMD Capacitor	5p,50V	±0.25pF	1005	Murata	GRM1535C1H5R0CDD5#	Yes	Yes
C5	1	SMD Capacitor	2.2u,10V	±10% or ±15%	1005	Murata or TDK	GRM155B31A225KE95# or C1005X5R1A225K050BC	Yes	Yes
C6, C8, C10, C12	4	SMD Capacitor	0.1u,25V	±10%	1005	Murata	GRM155B31E104KA87#	Yes	Yes
C7	1	SMD Capacitor	2.2u,10V	±10%	1005	Murata	GRM155B31A225KE95#	Yes	Yes
C9, C11	2	SMD Capacitor	1500p,50V	±10%	1005	Murata	GRM15XB11H152KA86#	Yes	Yes
CF1	1	Murata ceralock	12MHz,	-	X-CSTCE	Murata	CSTCE12M0GH5L	Yes	Yes
CN1	1	Molex 54819-0519	-	-	Molex_54819-0519	Molex	54819-0519	Yes	Yes
CN2	0	LANDφ0.8mm, DNP	-	-	LAND3pin	-	-	Yes	Yes
D1	1	Switching Diode	-	-	SOD-323	ON Semiconductor	MMDL6050T1G	No	Yes
IC1	1	Battery Monitor IC for 1-Cell Lithium-ion (Li+)	-	-	WLP9	ON Semiconductor	LC709203F	No	Yes
IC2	1	8-bit Microcontroller with Full-Speed USB integrated 16K-byte Flash ROM and 1024-byte RAM	-	-	SQFP48(7X7)	ON Semiconductor	LC87F1M16A	No	Yes
LED1, LED2, LED3, LED4	4	Red LED	-	-	LED1608	Various	Various	Yes	Yes
R1, R2, R4	3	SMD Resistor	100,0.063W	±5%	1005	KOA	RK73B1ETTD101J	Yes	Yes
R3	1	SMD Resistor	100k,0.063W	±5%	1005	KOA	RK73B1ETTD104J	Yes	Yes
R5, R7	2	SMD Resistor	33,0.063W	±5%	1005	KOA	RK73B1ETTP330J	Yes	Yes
R6	1	SMD Resistor	10k,0.063W	±1%	1005	KOA	RK73B1ETTP103F	Yes	Yes
R16, R17	2	SMD Resistor	10k,0.063W	±5%	1005	KOA	RK73B1ETTP103J	Yes	Yes
R8	1	SMD Resistor	1.5k,0.063W	±5%	1005	KOA	RK73B1ETTP152J	Yes	Yes
R9	1	SMD Resistor	100,0.063W	±5%	1005	KOA	RK73B1ETTP101J	Yes	Yes
R10	1	SMD Resistor	100k,0.063W	±5%	1005	KOA	RK73B1ETTP104J	Yes	Yes
R11	1	SMD Resistor	15k,0.063W	±5%	1005	KOA	RK73B1ETTP153J	Yes	Yes
R12, R13, R14, R15	4	SMD Resistor	3k,0.063W	±5%	1005	KOA	RK73B1ETTP302J	Yes	Yes
RD1	1	SMD Resistor	330,0.063W	±5%	1005	KOA	RK73B1ETTP331J	Yes	Yes
ZD1	1	Zener Diode	-	-	SOD-323	ON Semiconductor	MM3Z5V6T1G	No	Yes
ZD2	1	Zener Diode	-	-	SOD-523	ON Semiconductor	MM5Z6V2ST1G	No	Yes