



Bill of Materials for the MC34063LBGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C801	1	Electrolytic Capacitor	100 μ F, 25 V	20%	Radial	Panasonic	EEU-FC1E101S	Yes	Yes
C802, C806	2	Ceramic Capacitor	0.1 μ F, 50 V	10%	Radial	Kemet	C320C104K5R5CA	Yes	Yes
C803	1	Ceramic Capacitor	680 pF, 200 V	10%	Radial	Kemet	C315C681K2R5TA	Yes	Yes
C804	1	Electrolytic Capacitor	220 μ F, 16 V	20%	Radial	Panasonic	EEU-FC1C221	Yes	Yes
D801	1	Schottky diode	40 V, 1 A	NA	DO-41	ON Semiconductor	1N5819RLG	No	Yes
FB801	1	Wire Jumper 22 Ga	NA	NA	NA	NA	NA	Yes	Yes
IC801	1	IC-DC to DC Converter	1.5 A	NA	DIP-8	ON Semiconductor	MC34063AP1G	No	Yes
L801	1	Toroid, Leaded Coil	100 μ H, 3 A	20%	24.1 x 15.2 mm	AlfaMag Electronic LLC	SWC-3.0-100	Yes	Yes
P801, P802	1	2 Pin Header	NA	NA	NA	Molex	26-48-1025	Yes	Yes
Q801	1	NPN Transistor	NA	NA	TO-92	ON Semiconductor	MPS651RLRAG	No	Yes
R801	1	Resistor	1.0 Ω , 1/4 W	5%	Axial	Yageo	CFR-25JB-1R0	Yes	Yes
R802, R803	2	Resistor	1.5 Ω , 1/4 W	5%	Axial	Yageo	CFR-25JR-1R5	Yes	Yes
R804	1	Resistor	100 Ω , 1/4 W	5%	Axial	Panasonic - ECG	ERD-S2JJ101V	Yes	Yes
R805	1	Resistor	21.5 k Ω , 1/4 W	1%	Axial	Yageo	MFR-25FBF-21K5	Yes	Yes
R806	1	Resistor	2.49 k Ω , 1/4 W	1%	Axial	Panasonic - ECG	ERO-S2PHF2491	Yes	Yes
R807	1	Wire Jumper 22 Ga	NA	NA	NA	NA	NA	Yes	Yes
R808	1	Resistor	1 k Ω , 1/4 W	5%	Axial	Panasonic - ECG	ERD-S2TJ102V	Yes	Yes