



## Bill of Materials for the MC34063SMDBGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C401	1	Electrolytic Capacitor	100 $\mu$ F, 16 V	0.2	6.3 x 6.3 mm	Tecate	MXZZ-016/101M6X6TRF	Yes	Yes
C402, C406	1	Ceramic Capacitor	0.1 $\mu$ F, 50 V	0.1	0805	Kemet	C0805C104K5RACTU	Yes	Yes
C403	1	Ceramic Capacitor	680 pF, 50 V	0.05	0805	Kemet	C0805C681J5GACTU	Yes	Yes
C404	1	Tantalum Capacitor	100 $\mu$ F, 16V	0.1	7.3 x 4.3mm	Kemet	T491D107K016AT	Yes	Yes
D401	1	Schottky Diode	1 A, 40 V	-	SMB	ON Semiconductor	MBRS140T3G	No	Yes
IC401	1	IC-DC to DC Converter	1.5 A	-	SOIC-8	ON Semiconductor	MC34063ADR2G	No	Yes
L401	1	Power Inductor	100 $\mu$ H, 1.2 A	0.2	9.4 x 12.95 mm	Coilcraft	DO3316P-104_L	Yes	Yes
P401, P402	2	2 Pin Header	-	-	-	Molex	26-48-1025	Yes	Yes
R401	1	Film Resistor	1.0 $\Omega$ , 1/8 W	0.05	0805	Panasonic - ECG	ERJ-6GEYJ1R0V	Yes	Yes
R402, R403	2	Film Resistor	1.5 $\Omega$ , 1/8 W	0.05	0805	Yageo America	RC0805JR-071R5L	Yes	Yes
R404	1	Film Resistor	100 $\Omega$ , 1/8 W	0.05	0805	Panasonic - ECG	ERJ-6GEYJ101V	Yes	Yes
R405, R409	2	Film Resistor	0 $\Omega$ , 1/8 W	0.05	0805	Panasonic - ECG	ERJ-6GEY0R00V	Yes	Yes
R406	1	Film Resistor	21.5 $\Omega$ , 1/8 W	0.01	0805	Yageo America	RC0805FR-0721K5L	Yes	Yes
R407	1	Film Resistor	2.49 $\Omega$ , 1/8 W	0.01	0805	Panasonic - ECG	ERJ-6ENF2491V	Yes	Yes