



Bill of Materials for the LB1939TGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	VS Bypass Capacitor	10 μ F, 50V	\pm 20%	Radial	SUN Electronic Industries	50ME10HC	Yes	Yes
C2	1	VCC Bypass Capacitor	0.1 μ F, 100V	\pm 10%	0603	Murata	GRM188R72A104KA35*	Yes	Yes
C3	2	output voltage stabilization Capacitor	0.1 μ F, 100V	\pm 10%	0603	Murata	GRM188R72A104KA35*	Yes	Yes
C4	0	DNP , frequency control for current	10000pF, 50V	\pm 5%	0603	Murata	GRM188B11H103KA01D	Yes	Yes
R1	0	DNP , Output current Sensing resistor	1.0 Ω /4W	\pm 1%	0805	ROHM	MCR10EZHL1R00	Yes	Yes
IC1	1	Motor Driver	-	-	TSSOP-20	ON Semiconductor	LB1939T	No	Yes
SW1-SW7	4	Switch	-	-	9.00mm x 5.00mm	MIYAMA	MS-621C-A01	Yes	Yes
TP1-TP18	19	Test Point	-	-	2.00mm diameter	MAC8	ST-1-3	Yes	Yes

Note: C4 and R1 is not populated, because it is parts of constant current drive.eva-board is constant voltage drive statement.