



Bill of Materials for the LV8804FVGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
IC1	1	Motor Driver	-	-	SSOP20J	ON Semiconductor	LV8804FV	No	Yes
C1	1	VCC Bypass Capacitor	10 μ F, 25V	\pm 10%	1210	Murata	GRM32DR71E106KA12	Yes	Yes
C4,C5,C6	3	Capacitor	1 μ F	\pm 10%	0805	Murata	GRM21BR11E105KA99	Yes	Yes
C2,C3	2	Capacitor	0.1 μ F	\pm 10%	0603	Murata	GRM188R11E104KA01D	Yes	Yes
C7	1	Capacitor	1000pF	\pm 10%	0603	Murata	GRM188R11E102KA01	Yes	Yes
C8	1	Capacitor	0.01 μ F	\pm 10%	0805	Murata	GRM2192C1H103JA01D	Yes	Yes
R1	4	Resistor	1 Ω	\pm 5%	0805	Rohm	MCR10EZHFL1R00	Yes	Yes
R2	1	Resistor	1k Ω	\pm 5%	0603	Rohm	RK73B1JT102J	Yes	Yes
R3	1	Resistor	10k Ω	\pm 5%	0603	Rohm	RK73B1JT103J	Yes	Yes
R6,R7	2	Resistor	0 Ω	\pm 6%	0603	Rohm	RK73B1J 0QJ	Yes	Yes
SW1-SW4	1	Switch	-	-	-	MIYAMA	MS-621-A01	Yes	Yes
TP1-TP12	8	Test points	-	-	-	MAC8	ST-1-3	Yes	Yes
D2	1	Zener Diode	10 Ω , 16V	\pm 5%	DO-214AC	ON Semiconductor	1SMA5930BT3G	No	Yes