



Bill of Materials for the LV8771VHGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	VM Bypass Capacitor (Electrolytic)	10 μ F, 50V	±20%	Through-hole	SUN Electronic Industries	50ME10HC	Yes	Yes
C3	1	VREG5 stabilization Capacitor	0.1 μ F, 100V	±10%	0603	Murata	GRM188R72A104KA35*	Yes	Yes
C4	1	Capacitor for Charge pump	0.1 μ F, 100V	±10%	0603	Murata	GRM188R72A104KA35*	Yes	Yes
C5	1	Capacitor for Charge pump	0.1 μ F, 100V	±10%	0603	Murata	GRM188R72A104KA35*	Yes	Yes
R1	1	Channel 1 output current detective Resistor	0.47 Ω , 1W	±5%	2512 (6432 Metric)	ROHM	MCR100JZHJLR47	Yes	Yes
R2	1	Channel 2 output current detective Resistor	0.47 Ω , 1W	±5%	2512 (6432 Metric)	ROHM	MCR100JZHJLR47	Yes	Yes
IC1	1	Motor Driver	-	-	HSOP28 (275mil)	ON Semiconductor	LV8771VH	No	Yes
SW1-SW8	8	Switch	-	-	-	MIYAMA	MS-621C-A01	Yes	Yes
TP1-TP18	18	Test Point	-	-	-	MAC8	ST-1-3	Yes	Yes