



Bill of Materials for the LV8727GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	VM Bypass capacitor	100µF 100V	±20%	0603	SUN Electronic Industries	100ME100HC	Yes	Yes
C2	1	Capacitor to set chopping frequency	180pF, 50V	±5%	0603	Murata	GRM1882C1H181JA01	Yes	Yes
C3	1	Capacitor to set switching holding current	1500pF, 50V	±5%	0603	KOA	GRM1882C1H152J	Yes	Yes
R1	1	Channel 1 output current detective	0.1Ω, 1W	±5%	6.30mm x 3.20mm	ROHM	MCR100JZHJLR10	Yes	Yes
R2	1	Channel 2 output current detective Resistor	0.1Ω, 1W	±5%	6.30mm x 3.20mm	ROHM	MCR100JZHJLR10	Yes	Yes
R4	1	Pull-up Resistor for terminal MO	47kΩ, 1/10W	±5%	0603	KOA	RK73B1JT473J	Yes	Yes
R6	1	VREF stabilization Capacitor	0.1µF, 100V	±10%	0603	Murata	GRM188R72A104KA35D	Yes	Yes
IC1	1	Motor Driver	-	-	HZIP25	ON Semiconductors	LV8727	No	Yes
SW1-SW8	8	Switch	-	-	-	MIYAMA	MS-621-A01	Yes	Yes
TP1-TP22	22	Test points	-	-	-	MAC8	ST-1-3	Yes	Yes