

## Bill of Materials for the LV8702VGEVB Evaluation Board



Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
IC1	1	Motor Driver	-	-	SSOP44J	ON Semiconductor	LV8702V	No	Yes
R1	1	Channel 1 output current detective Resistor	0.22Ω, 1W	±5%	6432(2512Inch)	Rohm	MCR100JZHJLR22	Yes	Yes
R2	1	Channel 1 output current detective Resistor	0.22Ω, 1W	±5%	6432(2512Inch)	Rohm	MCR100JZHJLR22	Yes	Yes
R3	1	Resistor for filter of control signal	15kΩ, 0.1W	±5%	1608(0603Inch)	KOA	RK73B1JT**153J	Yes	Yes
R4	1	Resistor for filter of control signal	100kΩ, 0.1W	±5%	1608(0603Inch)	KOA	RK73B1JT**104J	Yes	Yes
R5	1	Pull-up Resistor for terminal DST2	47kΩ, 0.1W	±5%	1608(0603Inch)	KOA	RK73B1JT**473J	Yes	Yes
R6	1	Pull-up Resistor for terminal DST1	47kΩ, 0.1W	±5%	1608(0603Inch)	KOA	RK73B1JT**473J	Yes	Yes
R7	1	Pull-up Resistor for terminal MONI	47kΩ, 0.1W	±5%	1608(0603Inch)	KOA	RK73B1JT**473J	Yes	Yes
C1	1	VM Bypass Capacitor	10μF, 50V	±20%	-	SUN Electronic Industries	50ME10HC	Yes	Yes
C2	1	Capacitor for Charge pump	0.1μF, 100V	±10%	1608(0603Inch)	Murata	GRM188R72A104KA35*	Yes	Yes
C3	1	Capacitor for filter of control signal	1000pF, 100V	±5%	1608(0603Inch)	Murata	GRM1882C1H102JA01*	Yes	Yes
C4	1	Capacitor for Charge pump	0.1μF, 100V	±10%	1608(0603Inch)	Murata	GRM188R72A104KA35*	Yes	Yes
C5	1	VREG5 stabilization Capacitor	0.1μF, 100V	±10%	1608(0603Inch)	Murata	GRM188R72A104KA35*	Yes	Yes
C6	1	Capacitor to set chopping frequency	150pF, 50V	±5%	1608(0603Inch)	Murata	GRM1882C1H151JA01*	Yes	Yes
SW1-SW11	11	Switch	-	-	-	MIYAMA	MS-621C-A01	Yes	Yes
TP1-TP29	33	Test Point	-	-	-	MAC8	ST-1-3	Yes	Yes