

Bill of Materials for the LV8806QAGEVK Evaluation Board

ON Semiconductor®



Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
IC1	1	Motor Driver	-	-	UQFN16(2.6*2.6)	ON semiconductor	LV8806QA	No	Yes
IC2	1	Level Shifter	-	-	TSSOP16	ON semiconductor	MC14504B	No	Yes
IC3	1	MOSFET	-	-	CPH3	ON semiconductor	CPH3350	No	Yes
R1	2	Thick film Resistor	1Ω, 0.25W	±5%	2012(0805Inch)	Rohm	MCR10EZHFL1R00	Yes	Yes
R2,4,6,7	4	Thick film Resistor	100Ω, 0.1W	±5%	1608(0603Inch)	Koa	RK73B1JT101J	Yes	Yes
R3,5	2	Thick film Resistor	10kΩ, 0.1W	±5%	1608(0603Inch)	Koa	RK73B1JT103J	Yes	Yes
C1	1	Ceramic multilayer Capacitor	4.7μF, 25V	±10%	3216(1206Inch)	Murata	GRM319B31E475KA75	Yes	Yes
C2	1	Ceramic multilayer Capacitor	2200pF, 50V	±10%	1608(0603Inch)	Murata	GRM188B11H222KA01	Yes	Yes
C3	1	Ceramic multilayer Capacitor	1000pF, 50V	±10%	1608(0603Inch)	Murata	GRM1882C1H102JA01	Yes	Yes
C4,5	2	Ceramic multilayer Capacitor	1μF, 25V	±10%	1608(0603Inch)	Murata	GRM188B31E105KA75	Yes	Yes
Daughter Board	1	Interface board	-	-	-	ON semiconductor	-	No	Yes
CN-A1,A2,B	3	Female Socket	-	-	-	MAC8	PM-61	Yes	Yes
CON_M	1	Socket to Motor	-	-	-	JST	MPT 0.5/4-2.54	No	Yes
P1-9	1	Test Point	-	-	-	MAC8	ST-1-3	Yes	Yes
USB cable	1	A-MiniB	-	-	-	-	-	Yes	Yes