



Bill of Materials for the LV8714TASLDGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
IC1	1	Dual Stepper Motor Driver	-	-	TQFP48	ON Semiconductor	LV8714TA	No	Yes
IC2	1	Operational Amplifier	-	-	WQFN10	ON Semiconductor	MC34072AMTTBG	No	Yes
IC3	1	Potentiometer	-	-	TSSOP24	ON Semiconductor	CAT5251YI-00-T2	No	Yes
R1-4	4	Output current detective Resistor	1.5kΩ, 1/10W	±5%	1005(0402)	KOA	RK73B1ETT*152J	Yes	Yes
R5,R6	2	Low pass filter Resistor	100kΩ, 1/10W	±5%	1005(0402)	KOA	RK73B1ETT*104J	Yes	Yes
R7	1	Thick film Resistor	100kΩ, 1/10W	±5%	1005(0402)	KOA	RK73B1ETT*104J	Yes	Yes
R8	1	Thick film Resistor	33kΩ, 1/10W	±5%	1005(0402)	KOA	RK73B1ETT*333J	Yes	Yes
R9,R10,R11	3	Thick film Resistor	TBD	±5%	1005(0402)	-	-	Yes	Yes
C1	1	Ceramic multilayer Capacitor	0.1μF, 35V	±10%	0603(0201)	Murata	GRM033R6YA104KE14#	Yes	Yes
C3,C4	2	Low pass filter Capacitor	0.1μF, 35V	±10%	0603(0201)	Murata	GRM033R6YA104KE14#	Yes	Yes
C5,C6	2	VCC Bypass Capacitor	0.1μF, 35V	±10%	0603(0201)	Murata	GRM033R6YA104KE14#	Yes	Yes
C7,C8	2	VM Bypass Capacitor	4.7μF, 35V	±10%	1608(0603)	Murata	GRM188R6YA475KE15#	Yes	Yes
CN1A, 1B	1	Pin header to Base board	12 pins x 2	-	30.48 x 5.08	Würth Electronik	61302421121	Yes	Yes
CN2	1	Pin header to Base board	12 pins	-	30.48 x 2.54	Würth Electronik	61301211121	Yes	Yes
PCB	1	PCB	-	-	30.48 x 20.32	-	-	No	Yes