



Bill of Materials for the NCV47551DAJGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C _{in1}	1	Ceramic Capacitor	1 μ F, 50 V	$\pm 10\%$	1210	Murata	GRM32RR71H105KA01L	YES	YES
C _{out1}	1	Ceramic Capacitor	10 μ F, 25 V	$\pm 10\%$	1210	Murata	GRM31CR71E106KA12L	YES	YES
C _b	1	Ceramic Capacitor	10 nF, 50 V	$\pm 10\%$	0805	Murata	GCM219R71H103KA37	YES	YES
C _{noise}	1	Ceramic Capacitor	10 nF, 50 V	$\pm 10\%$	0805	Murata	GCM219R71H103KA37	YES	YES
C _{CSO}	1	Ceramic Capacitor	1 μ F, 25 V	$\pm 10\%$	1210	Murata	GRM31MR71E105KA01L	YES	YES
R ₁	1	Resistor	82 k Ω	$\pm 1\%$	0805	VISHAY	CRCW080582K0FKEA	YES	YES
R ₂	1	Resistor	27 k Ω	$\pm 1\%$	0805	VISHAY	CRCW080527K0FKEA	YES	YES
R _{CSO0}	1	Resistor	24.9 k Ω	$\pm 1\%$	0805	MULTICOMP	MC01W0805124K9	YES	YES
R _{CSO1}	1	Resistor	249 Ω	$\pm 1\%$	0805	MULTICOMP	MC01W08051249R	YES	YES
R _{CSO2}	1	Resistor	127 Ω	$\pm 1\%$	0805	MULTICOMP	MC01W08051127R	YES	YES
R _{CSO3}	0	Resistor	127.5 Ω to 25.5 k Ω	-	-	-	-	YES	YES
J ₀ – J ₇	8	Jumper, connector	-	-	-	Harwin	M20-8900405	YES	YES
U1	1	NCV47551	-	-	SO8	ON Semiconductor	NCV47551DAJR2G	NO	YES