



Bill of Materials for the NCV47411PAAJGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
Cin1,2	2	Ceramic Capacitor	1 μ F, 50 V	$\pm 10\%$	1210	Murata Electronics North America	GRM31MR71H105KA88	Yes	Yes
Cout1,2	2	Ceramic Capacitor	10 μ F, 25 V	$\pm 10\%$	1210	Murata Electronics North America	GRM31CR71E106KA12L	Yes	Yes
Cb1,2	2	Ceramic Capacitor	150 pF, 50 V	$\pm 1\%$	0805	Murata Electronics	GCM2165C1H151FA16J	Yes	Yes
CCSO1,2	2	Ceramic Capacitor	1 μ F, 16 V	$\pm 10\%$	0805	Murata Electronics	GRM21BR71C105KA01	Yes	Yes
R11,2	2	Resistor	47 k Ω	$\pm 0.5\%$	0805	SUSUMU	RR1220P-473-D	Yes	Yes
R21,2	2	Resistor	16 k Ω	$\pm 0.5\%$	0805	SUSUMU	RR1220P-163-D	Yes	Yes
Rcso1,20	2	Resistor	12.7 k Ω	$\pm 0.5\%$	0805	SUSUMU	RR1220P-1272-D-M	Yes	Yes
Rcso1,21	2	Resistor	2.49 k Ω	$\pm 0.5\%$	0805	SUSUMU	RR1220P-2491-D-M	Yes	Yes
Rcso1,22	2	Resistor	1.2 k Ω	$\pm 0.5\%$	0805	SUSUMU	RR1220P-122-D	Yes	Yes
Rcso1,23	0	Resistor	850 Ω to 12.75 k Ω	-	-	Do Not Populate		Yes	Yes
Rload1,21	2	Resistor	51 Ω , 1 W	$\pm 1\%$	2512	Vishay	CRCW251251R0FKEG	Yes	Yes
Rload1,22	2	Resistor	1 k Ω	$\pm 1\%$	0805	Vishay	RC0805FR-071KL	Yes	Yes
J1 – J8	8	Jumper, connector	-	-	-	Harwin	M20-8900405	Yes	Yes
J10 – J13	4	Jumper, connector	-	-	-	Harwin	M20-8900405	Yes	Yes
J20 – J23	4	Jumper, connector	-	-	-	Harwin	M20-8900405	Yes	Yes
-	4	Jumper, connector	-	-	-	Harwin	M20-8900405	Yes	Yes
U1	1	NCV47411	-	-	TSSOP14-EP	ON Semiconductor	NCV47411PAAJR2G	No	Yes