



Bill of Materials for the NCV7708AGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R1	1	Resistor	1 kΩ	5%	0805	Panasonic - ECG	ERJ-6GEYJ102V	Yes	Yes
R2, R5,	4	Resistor	100 Ω	5%	0805	Panasonic - ECG	ERJ-6GEYJ101V	Yes	Yes
R3	1	Resistor	10 kΩ	5%	0805	Panasonic - ECG	ERJ-6GEYJ103V	Yes	Yes
R4	1	Resistor	470 Ω	5%	0805	Panasonic - ECG	ERJ-6GEYJ471V	Yes	Yes
R8, R9	2	Resistor	100 kΩ	5%	0805	Panasonic - ECG	ERJ-6GEYJ104V	Yes	Yes
C1 - C4, C6 - C11, C17, C18	12	Capacitor, Not installed. User install as required for noise reduction.	10 pF, 50 V	20%	0805	Panasonic - ECG	EC5-2VC1H100D	Yes	Yes
C5	1	Capacitor	330 uF 50 V	10%	Radial Cap, 10Dx20Lx5L leadspacing	Various	Various	Yes	Yes
C12, C21	2	Capacitor	0.1 uF, 50 V		0805	United Chemi-Con	KHC500E104M21N0T00	Yes	Yes
C14, C15, C16	3	Capacitor	10 pF, 50 V		0805	Panasonic - ECG	EC5-2VC1H100D	Yes	Yes
TP1 - TP22	22	Test Pin	-	-	-	Vector Electronic Co.	K24C/M		Yes
U1	1	IC	-	-	SOIC-28W	ON Semiconductor	NCV7708EDWR2G	No	Yes
U2	1	IC	-	-	SO-8	ON Semiconductor	NCV8501D50G	No	Yes
J1, J1	2	Dual Pin	-	-	-	Tyco-Amp	640452-2	Yes	Yes
PJ1, PJ2	2	Put shunts on J1, J2	-	-	-	Tyco-Amp	382811-6	Yes	Yes
PWB	1	Circuit Board	-	-	-	ON Semiconductor	NCV7708evb Board	No	Yes