



Bill of Materials for the NCV8843 Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1					ON Semiconductor	NCV8843G	No	Yes
C1, C3, C5	3	Ceramic	0.1 μ F	\pm 10%	0603	Panasonic	ECJ-1VB1H104K	Yes	Yes
C2	1	Electrolytic	330 μ F	\pm 20%	Surface Mount	United Chemi-Con	MZA35VC331MJ10TP	Yes	Yes
C4	1	Tantalum	100 μ F	\pm 10%	6032	AVX	TPSC107K010R0075	Yes	Yes
C6	1	Ceramic	3 nF				Not Used	Yes	Yes
D1	1	Diode				ON Semiconductor	MBRM130LT1G	No	Yes
D2	1	Schottky Diode				ON Semiconductor	MBRS240LT3G	No	Yes
L1	1	Inductor	18 μ H	\pm 20%		Würth	7447779118	Yes	Yes
R1	1	Resistor	162 Ω	\pm 1%	603	Panasonic	ERJ-3EKF1620V	Yes	Yes
R2	1	Resistor	100 Ω	\pm 1%	603	Panasonic	ERJ-3EKF1000V	Yes	Yes
R3	1	Resistor	100 k Ω	\pm 1%	603	Panasonic	ERJ-3EKF1003V	Yes	Yes
J1, J2, J4-J8	7	Test Points				Mill-Max MFG	2501-2-00-44-00-00-07-0	Yes	Yes
J3	1	Test Point (Vsw)				Vector	K24C/M	Yes	Yes