

Bill of Materials for the NCV Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U ₁	1	NCV48220	-	-	SQ-8	ON Semiconductor	NCV48220D50R2G	NO	YES
D _{2a}	1	MFR8160T3	-	-	SMA	ON Semiconductor	NRV8160T3G	NO	YES
C _{2a}	1	Ceramic Capacitor	1 μ F, 35 V	\pm 10 %	0805	Murata	GCM21BR7A105KA55	YES	YES
C _{2a} , C _{2b}	2	Ceramic Capacitor	10 μ F, 16 V	\pm 10 %	0805	Murata	GCM21BC71C106MF36	YES	YES
C _{2a} , C _{2b}	1	Ceramic Capacitor	10 μ F, 10 V	\pm 10 %	0805	Murata	GCM21BR71A106KF22	YES	YES
C _{2a} , C _{2b} , C _{2c}	1	Aluminium Electrolytic	560 μ F, 35 V	\pm 20 %	G	Panasonic	EEFT1V561AP	YES	YES
C _{2a} , C _{2b} , C _{2c}	1	Aluminium Electrolytic	1000 μ F, 16 V	\pm 20 %	G	Panasonic	EEFT1C102AP	YES	YES
R ₁	1	Resistor	47 k Ω	\pm 0.5 %	0805	SUSUMU	RR1220P-473-D	YES	YES
R ₂	1	Resistor	1 k Ω	\pm 0.5 %	0805	SUSUMU	RR1220P-102-D	YES	YES
R ₃ - R ₆	3	Resistor	100 Ω	\pm 0.5 %	1206	SUSUMU	RR1632P-101-D	YES	YES
J ₁ - J ₃	3	Header, 4 pins	-	-	-	-	WWS 20 G	YES	YES
J ₄	1	Header, 3 pins	-	-	-	-	WWS 20 G	YES	YES
J ₅ - J ₁₀	6	Header, 2 pins	-	-	-	-	WWS 20 G	YES	YES
-	4	Jumper RM2 54 Iag, black, Au	-	-	-	-	TIJMP-OF/TAG.SW	YES	YES
-	4	spring washer M3 Type B	-	-	-	TOOLCRAFT	-	YES	YES
-	4	Screw M3 x 6mm pan head, steel/Ni	-	-	-	ETTINGER	SKS 30-6	YES	YES
-	4	Hex standoff E/F M3 x 8mm	-	-	-	ETTINGER	DI5 M3x08	YES	YES