



Bill of Materials for the NCV48920PAGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	IC	NCV48920		TSSOP-14 EP	ON Semiconductor	NCV48920PA10	No	Yes
Drb	1	Diode	MBRA160T3		SMA	ON Semiconductor	MBRA160T3	No	Yes
Cin	1	Ceramic Capacitor	1 µF, 50V	10%	0805	Murata	GCM21BR71H105KA03	Yes	Yes
Cout	1	Ceramic Capacitor	10 µF, 10V	10%	0805	Murata	GRM21BR71A106KA73	Yes	Yes
Ccp, Cfly	2	Ceramic Capacitor	10 µF, 16V	10%	0805	Murata	GRM21BC71C106KE11	Yes	Yes
R1	1	Resistor	10 kΩ, 1/8W	1%	0805	Yageo	RC0805FR-0710KL	Yes	Yes
R2	1	Resistor	2.2 kΩ, 1/8W	1%	0805	Yageo	RC0805FR-072K2L	Yes	Yes
R3 - R6	4	Resistor	68 Ω, 2W	1%	2512	TE Connectivity	352168RFT	Yes	Yes
J1 - J3	3	Header, 4 pins	-	-	-	Samtec	TSW-104-07-G-S	Yes	Yes
J4	1	Header, 3 pins	-	-	-	Samtec	TSW-103-07-G-S	Yes	Yes
J5 - J11	7	Header, 2 pins	-	-	-	Samtec	TSW-102-07-G-S	Yes	Yes
-	5	Jumper RM2,54 tag, black, Au	-	-	-	-	JUMP-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 standoffs 1.1 mm x 6mm SWG, brass/Ni	-	-	-	ETTINGER	DI5 M3x08	Yes	Yes