



Bill of Materials for the NCV680x1 Demo Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	0	Capacitor - footprint only	100u/63V	20%	Rad_5	Panasonic	EEUFR1J101B	Yes	Yes
C2, C5	2	Capacitor	4.7u/100V	10%	2220	TDK	CGA9N2X7R2A475K230KA	Yes	Yes
C3, C6	2	Capacitor	100n/50V	10%	0805	YAGEO	100nF_0805_50V_X7R	Yes	Yes
C4	0	Capacitor - footprint only	100n/100V	10%	1206	Murata	Cap_1206_100V_X7R	Yes	Yes
J1, J2	2	Connector	TSW-104-07-G-S			Samtec	TSW-104-07-G-S	Yes	Yes
J3, J5, J8, J9	4	Connector	SPC15459			MULTICOMP	SPC15459	Yes	Yes
J4, J12	2	Connector	TSW-103-07-G-S			Samtec	TSW-103-07-G-S	Yes	Yes
J10	0	Connector - for NCV68011 only	TSW-103-07-G-S			Samtec	TSW-103-07-G-S	Yes	Yes
J6, J11	2	Connector	5010			KEYSTONE	5010	Yes	Yes
J7	1	Connector	TSW-105-07-G-S			Samtec	22-28-4360	Yes	Yes
Q1	0	Transistor - footprint only	NVMFS5C680NL		LFPK-8	onsemi	NVMFS5C680NL	Yes	Yes
Q2	0	Transistor - footprint only	NVMTS0D7N06CL		Power88	onsemi	NVMTS0D7N06CL	Yes	Yes
Q3	1	Transistor	NVTFS5C658NL		u8FL	onsemi	NVTFS5C658NL	Yes	Yes
R1	1	Resistor	3.3k/0.6W	1%	Axial	Vishay	MRS25000C3301FCT00	Yes	Yes
R2	0	Resistor - for NCV68011 only	100k/1/8W	1%	0805	Yageo	RC0805FR-07100KL	Yes	Yes
U1	1	IC	NCV68061		TSOP-6	onsemi	NCV68061SNAIR	No	Yes
	2	Jumper Red	For J4 and J12			HARWIN	M7685-46	Yes	Yes
	4	Screw	M3 x 6mm			TR FASTENINGS	M36 PRSTTTZ100-	Yes	Yes
	4	Standoff, Hex Female-Female	M3 x 18mm			WURTH ELEKTRONIK	970180324	Yes	Yes