



Bill of Materials for the NCV47822PAAJGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C <sub>in11</sub>	1	Ceramic Capacitor	1 µF, 50 V	± 10 %	1206	Murata Electronics North America	GRM31MR71H105KA88	YES	YES
C <sub>in21</sub>	1	Ceramic Capacitor	1 µF, 50 V	± 10 %	1206	Murata Electronics North America	GRM31MR71H105KA88	YES	YES
C <sub>out11</sub>	1	Ceramic Capacitor	1 µF, 50 V	± 10 %	1206	Murata Electronics	GRM31MR71H105KA88	YES	YES
C <sub>out21</sub>	1	Ceramic Capacitor	1 µF, 50 V	± 10 %	1206	Murata Electronics	GRM31MR71H105KA88	YES	YES
C <sub>CS01</sub>	1	Ceramic Capacitor	1 µF, 16 V	± 10 %	0805	Murata Electronics North America	GRM21BR71C105KA01	YES	YES
C <sub>CS02</sub>	1	Ceramic Capacitor	1 µF, 16 V	± 10 %	0805	Murata Electronics North America	GRM21BR71C105KA01	YES	YES
C <sub>1</sub>	1	Ceramic Capacitor	100 nF, 50 V	± 10 %	0805	Murata Electronics North America	GRM21BR71H104KA01L	YES	YES
C <sub>2</sub>	1	Ceramic Capacitor	10 µF, 25 V	± 10 %	1206	Murata Electronics North America	GRM31CR71E106KA12L	YES	YES
R <sub>CS010</sub>	1	Resistor	47 kΩ	± 0.5 %	0805	SUSUMU	RR1220P-473-D	YES	YES
R <sub>CS020</sub>	1	Resistor	47 kΩ	± 0.5 %	0805	SUSUMU	RR1220P-473-D	YES	YES
R <sub>CS011</sub>	1	Resistor	4.7 kΩ	± 0.5 %	0805	SUSUMU	RR1220P-472-D	YES	YES
R <sub>CS021</sub>	1	Resistor	4.7 kΩ	± 0.5 %	0805	SUSUMU	RR1220P-472-D	YES	YES
R <sub>CS012</sub>	1	Resistor	2.2 kΩ	± 0.5 %	0805	SUSUMU	RR1220P-222-D	YES	YES
R <sub>CS022</sub>	1	Resistor	2.2 kΩ	± 0.5 %	0805	SUSUMU	RR1220P-222-D	YES	YES
R <sub>CS013</sub>	1	Resistor	2185 Ω to 76.5 kΩ	-	-	Do Not Populate		YES	YES
R <sub>CS023</sub>	1	Resistor	2185 Ω to 76.5 kΩ	-	-	Do Not Populate		YES	YES
R <sub>load11A</sub>	1	Resistor	120 Ω, 2 W	± 1%	2512	MULTICOMP	MCHP122WF1200T4E	YES	YES
R <sub>load11B</sub>	1	Resistor	120 Ω, 2 W	± 1%	2512	MULTICOMP	MCHP122WF1200T4E	YES	YES
R <sub>load21A</sub>	1	Resistor	120 Ω, 2 W	± 1%	2512	MULTICOMP	MCHP122WF1200T4E	YES	YES
R <sub>load21B</sub>	1	Resistor	120 Ω, 2 W	± 1%	2512	MULTICOMP	MCHP122WF1200T4E	YES	YES
R <sub>load12</sub>	1	Resistor	1 kΩ, 0.33 W	± 1%	0805	VISHAY	CRCW08051K00FKEAHP	YES	YES
R <sub>load22</sub>	1	Resistor	1 kΩ, 0.33 W	± 1%	0805	VISHAY	CRCW08051K00FKEAHP	YES	YES
R <sub>EF</sub>	1	Resistor	5.6 kΩ	± 1 %	0805	MULTICOMP	MCWR08X5601FTL	YES	YES
R <sub>1</sub>	1	Resistor	680 Ω	± 1 %	0805	MULTICOMP	MCSR08X6800FTL	YES	YES
LED	1	ERROR FLAG	3 mm LED, red color	-	T-1	AVAGO TECHNOLOGIES	HLMP-K150	YES	YES
J <sub>1</sub> - J <sub>4</sub>	4	Header, 4 pins	-	-	-	-	WWS 20 G	YES	YES
EN <sub>1</sub> , EN <sub>2</sub> , DE, CS, Vin <sub>2</sub>	5	Header, 3 pins	-	-	-	-	WWS 20 G	YES	YES
J <sub>5</sub> - J <sub>8</sub> , J <sub>10</sub> - J <sub>13</sub> , J <sub>20</sub> - J <sub>23</sub> , STG <sub>1</sub> , STG <sub>2</sub> , STB <sub>1</sub> , STB <sub>2</sub> , CSO <sub>1</sub> , CSO <sub>2</sub> , FB <sub>1</sub> , FB <sub>2</sub>	20	Header, 2 pins	-	-	-	-	WWS 20 G	YES	YES
EF	1	Header, 1 pin	-	-	-	-	WWS 20 G	YES	YES
-	9	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 8mm pan head, steel/Ni	-	-	-	ETTINGER	SKS 30-6	YES	YES
-	4	Hex standoff F/F M3 x 8mm SW5, brass/Ni	-	-	-	ETTINGER	DI5 M3x08	YES	YES
U1	1	NCV47822	-	-	TSSOP14-EP	ON Semiconductor	NCV47822PAAJR2G	NO	YES
U2	1	NCV4264-2C	-	-	SOT-223	ON Semiconductor	NCV4264-2CST50T3G	NO	YES