



## Bill of Materials for the NCP370GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
<b>NCP370</b>	<b>1</b>	<b>Over voltage protection</b>	-	-	<b>12-LLGA</b>	<b>ON Semiconductor</b>	<b>NCP370MUAITXG</b>	<b>No</b>	<b>Yes</b>
C1 (Cin), C2 (Cout)	2	Ceramic Capacitor	1 $\mu$ F 25V X5R	10%	0603	Murata	GRM188R61E105KA12D	Yes	Yes
C3 (ID)	-	Not Mounted	-	-	-	-	-	-	-
Test points:IN1, OUT1,BATTERY,FLA G,DRAIN, REV, DIR	13	Hole diameter: 1.3mm	-	-	1.3mm diameter	-	5001K-ND	Yes	Yes
J13 (USB IN)	1	5 pins USB miniB	-	-	9.90mm x 9.00mm	Molex	WM17116CT-ND	Yes	Yes
J12. (USB OUT)	1	4 pins USB A	-	-	18.80mm x 12.70mm	Molex	WM17118-ND	Yes	Yes
FLAG	1	Green LED	-	-	0805	rohm	511-1287-ND	Yes	Yes
R6	1	Resistor	1k $\Omega$	0.5%	CMS 0603	susumu	Rr08p(value)dct-nd	Yes	Yes
R3, R4	2	Resistor	100 k $\Omega$	0.5%	CMS 0603	susumu	Rr08p(value)dct-nd	Yes	Yes
R5,R7,R8,R9 (USB)	-	Not Mounted	-	-	-	-	-	-	-
R1	1	Resistor	69.8k $\Omega$	0.5%	CMS 0603	susumu	Rr08p(value)bct-nd	Yes	Yes
R2	1	Resistor	16.9k $\Omega$	0.5%	CMS 0603	susumu	Rr08p(value)bct-nd	Yes	Yes
GND jumper:J7,J10	4	Jumper Ground 1mm pitch 10.16 mm	-	-	2.54mm x 7.62mm	Molex	WM8083-ND	Yes	Yes
REV	1x3	SMB R 114 665 PCB Plated Gold	-	-	2.54mm x 7.62mm	Molex	WM8083-ND	Yes	Yes
DIR	1x3	SMB R 114 665 PCB Plated Gold	-	-	2.54mm x 5.08mm	Molex	WM8083-ND	Yes	Yes
Imax	1x2	SMB R 114 665 PCB Plated Gold	-	-	2.54mm x 5.08mm	Molex	WM8083-ND	Yes	Yes
I2	1x2	SMB R 114 665 PCB Plated Gold	-	-	2.54mm x 5.08mm	Molex	WM8083-ND	Yes	Yes
Battery	1x2	SMB R 114 665 PCB Plated Gold	-	-	2.54mm x 5.08mm	Molex	WM8083-ND	Yes	Yes