

ON Semiconductor**Bill of Materials for the NCP1523BG Evaluation Board**

8/22/2007

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	IC, Converter, DC/DC	-	-	8-Pin Flip	ON Semiconductor	NCP1523B	No	Yes
C1, C2	2	Ceramic capacitor	4.7uF, 6.3V, X5R	10%	0603	Murata	GRM188R60J475KE19D	No	Yes
R1, R2	2	SMD resistor	510kΩ	1%	0603	Vishay	CRCW0603510KFKEA	Yes	Yes
R3	1	SMD resistor	330kΩ	1%	0603	Vishay	CRCW0603330KFKEA	Yes	Yes
R4	1	SMD resistor	240kΩ	1%	0603	Vishay	CRCW0603240KFKEA	Yes	Yes
L1	1	Inductor	2.2μH	20%	1210	Coilcraft	LPS3008-222ML	No	Yes
VIN, VOUT	4	Connector	-	-	-	Kontek Comatel Cambion	3110014000500 160-1724-02-05-00	Yes	Yes
ENABLE	1	3 Pin Jumper Header	-	-	2,54mm	Molex/ Waldom	90120-0160	Yes	Yes
SELECT	1	3x2 Pin Jumper Header	-	-	2,54mm	Molex/ Waldom	90131-0140	Yes	Yes
GND1, GND2	2	Jumper for GND	-	-	10,16mm	Molex/ Waldom	90120-0160	Yes	Yes
TPEN, TPLX, TPVIN, TPVOUT	4	Test point type 3	-	-	1,60mm	Keystone	5010	Yes	Yes