

ON Semiconductor



Bill of Materials for the NCP1521B Evaluation Board

6/1/2007

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	IC, Converter, DC/DC	-	-	TSOP5	ON Semiconductor	NCP1521B	No	Yes
C1	1	Ceramic capacitor	4.7uF, 6.3V, X5R	10%	0603	TDK	C1608X5R0J475	Yes	Yes
C2	1	Ceramic capacitor	10uF, 6.3V, X5R	10%	0603	TDK	C1608X5R0J106	No	Yes
C3	1	Ceramic capacitor	18pF, 50V, COG	5%	0603	TDK	C1608C0G1H180	Yes	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%	1605	Coilcraft	DO1605T-222MLB	No	Yes
VIN, VOUT	4	Connector	-	-	-	Kontek Comatel	3110014000500	Yes	Yes
ENABLE	1	3 Pin Jumper Header	-	-	2,54mm	TYCO/AMP	5-826629-0	Yes	Yes
SELECT	1	3x2 Pin Jumper Header	-	-	2,54mm	TYCO/AMP	4731955180470	Yes	Yes
GND1, GND2	2	Jumper for GND	-	-	10,16mm	Harwin	D3082-01	Yes	Yes
TPEN, TPLX, TPVIN, TPVOUT	4	Test point type 3	-	-	1,60mm	Keystone	5010	Yes	Yes