

Bill of Materials for the NCP1422 Evaluation Board

ON Semiconductor



2/16/2007

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	RoHS Compliant
U1	1	Step-Up DC-DC Converter	800 mA	NA	DFN-10	ON Semiconductor	NCP1422MNR2G	No	Yes
D1	1	Schottky Power Rectifier, Optional	500mA, 20V	NA	SOD123	ON Semiconductor	MBR0520LT1G	No	Yes
C2	1	Ceramic Chip Capacitor, Optional	10pF, 50V	5%	0603	TDK	C1608C0G1H100D	Yes	Yes
C3	1	Ceramic Chip Capacitor, Optional	NA	NA	NA	NA	NA	Yes	Yes
C4	1	Ceramic Chip Capacitor	330nF, 10V	10%	0603	Panasonic - ECG	ECJ1VB1A334K	Yes	Yes
C1	1	Ceramic Chip Capacitor	22µF, 6.3V	20%	1206	Panasonic - ECG	ECJ3YB0J226M	Yes	Yes
C5	1	Ceramic Chip Capacitor	33µF, 6.3V	20%	1210	Murata	GRM32DR60J336ME19L	Yes	Yes
L1	1	SMT Power Inductor	6.8µH, 1.6A	20%	7.0x7.0x3.0 mm	TDK	SLF7032T-6R8M1R6-2-PF	Yes	Yes
R1	1	Chip Resistor	220K Ohm 1/10W	1%	0603	Vishay	CRCW06032203KFKEA	Yes	Yes
R4	1	Chip Resistor	270K Ohm 1/10W	1%	0603	Vishay	CRCW0603270KFKEA	Yes	Yes
R3	1	Chip Resistor	300K Ohm 1/10W	1%	0603	Vishay	CRCW0603300KFKEA	Yes	Yes
R5	1	Chip Resistor	330K Ohm 1/10W	1%	0603	Vishay	CRCW0603330KFKEA	Yes	Yes
R3	1	Chip Resistor	470K Ohm 1/10W	1%	0603	Vishay	CRCW0603470KFKEA	Yes	Yes
T1, T2, T3, T4 JP1, JP4	6	2.54mm Header pin, JP3 Optional	NA	NA	NA	Tyco Electronics/AMP	A34254-02-ND	Yes	Yes
JP1, JP2	2	Jumper, 2 Positions	1" Pitch	NA	NA	Sullins Electronics	SPC02SYAN	Yes	Yes