



Bill of Materials for the NCP3063 BUCK Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U201	1	Switching Regulator	1.5A, 150KHz	-	PDIP	ON Semiconductor	NCP3063PG	No	Yes
D201	1	Schottky Rectifier	1A, 40V	-	Ax. Lead	ON Semiconductor	1N5819G	No	Yes
C201, C206	2	Ceramic Capacitor	100 nF	10%	Ax. Lead	Multicomp	MCRR50104X7RK0100	Yes	Yes
C202	1	Capacitor	470 μ F/25V	20%	Ax. Lead	Nippon	ELXZ250ELL471MJ16S	Yes	Yes
C203	1	Ceramic Capacitor	2.2 nF	5%	Ax. Lead	AVX	SR201A222JTR	Yes	Yes
C205	1	Capacitor	220 μ F/50V	20%	Ax. Lead	Nippon	ELXZ500ELL221MJ20S	Yes	Yes
L201	1	Power Inductor	47 μ H	10%	Ax. Lead	Coilcraft	RFB0810-470L	Yes	Yes
L202*	1	Jumper Wire	-	-	-	3M	923345-05-C	Yes	Yes
R201	1	Resistor	0.15 Ω	5%	Ax. Lead	Welwyn	W21-0R15JI	Yes	Yes
	6	Resistor	1 Ω	1%	Ax. Lead	Vishay	5063JD1R000F12AF5	Yes	Yes
R202	1	Resistor	2.4 k Ω	1%	Ax. Lead	Vishay	MRS25 2K4 1%	Yes	Yes
R203	1	Resistor	3.9 k Ω	1%	Ax. Lead	Vishay	MRS16T 3K9 1%	Yes	Yes
R204*	1	Resistor	0 Ω	-	Ax. Lead	Multicomp	MCF 0.25W 0R	Yes	Yes
GND, VOUT, VIN, VAUX, ON/OFF	6	Test Post	-	-	-	Vector Electronics	K24C/M	Yes	Yes
	4	Feet	-	-	-	SPC Tech	2565	Yes	Yes

* Use either R204 or L202 (Do not use both)