



## Bill of Materials for the NCP3064 Buck SOIC Demo Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R1	1	Resistor	0.15R	1%	1206	Susumu	RL1632R-R150-F	Yes	Yes
R2	NU	Resistor	12k	1%	1206	Rohm	MCR18EZHF1202	Yes	Yes
R3	1	Resistor	3k9	1%	1206	Rohm	MCR18EZHF3901	Yes	Yes
R4	1	Resistor	2k4	1%	1206	Rohm	MCR18EZHF2401	Yes	Yes
R9	1	Resistor	10k	1%	1206	Rohm	MCR18EZHF1002	Yes	Yes
C1	1	Capacitor	220uF/35V	20%	G	Panasonic	EEE1VA221AP	Yes	Yes
C2;C3;C7;C8	4	Capacitor	100nF	10%	1206	Kemet	C1206C104K5RACTU	Yes	Yes
C9	1	Capacitor	220uF/6V	20%	F8	SANYO	6SVP220M	Yes	Yes
C10	1	Capacitor	2.2nF	10%	1206	Kemet	C1206C222K5RACTU	Yes	Yes
L1	1	Inductor	47uH	20%	DO3316	CoilCraft	DO3316P-473MLB	No	Yes
D1	1	Diode	MBRS230	-	SMB	ON Semiconductor	MBRS230LT3G	No	Yes
IC	1	Switching Regulator	NCP3064	-	SOIC8	ON Semiconductor	NCP3064DR2G	No	Yes
Jumper	5	RM 2.54 mm, PCB pin's (3)	Jumper - PCB pin's	-	2.54mm	Harwin	M20-9990305	Yes	Yes
Pin	1	Jumper, RM 2.54 mm	Jumper	-	2.54mm	Harwin	M7686-05	Yes	Yes
Pin	1	Pin 1mm	-	-	1mm	Various	Various	Yes	Yes