



## Bill of Materials for the NCP3064 Buck 3A SOIC Demo Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R1;R14;R15;R16	4	Resistor	0.15R	1%	1206	Susumu	RL1632R-R150-F	Yes	Yes
R5;R6	2	Resistor	1k	1%	1206	Rohm	MCR18EZHf1001	Yes	Yes
R3	1	Resistor	3k9	1%	1206	Rohm	MCR18EZHf3901	Yes	Yes
R4	1	Resistor	2k4	1%	1206	Rohm	MCR18EZHf2401	Yes	Yes
R7	NU	Resistor	12k	1%	1206	Rohm	MCR18EZHf1202	Yes	Yes
R9	1	Resistor	10k	1%	1206	Rohm	MCR18EZHf1002	Yes	Yes
C1	1	Capacitor	270uF	20%	F8	SANYO	16SA270M	Yes	Yes
C4	1	Capacitor	1n8	10%	1206	Kemet	C1206C182K5RACTU	Yes	Yes
C2;C3;C7;C8	4	Capacitor	100nF	10%	1206	Kemet	C1206C104K5RACTU	Yes	Yes
C9	1	Capacitor	1mF	20%	F8	SANYO	4SA1000M	Yes	Yes
C10	1	Capacitor	2.2nF	10%	1206	Kemet	C1206C222K5RACTU	Yes	Yes
Q1	1	Transistor	MMSF7P03	-	SOIC8	ON semiconductor	MMSF7P03HDR2G	No	Yes
Q2	1	Transistor NPN	MMBT489L	-	SOT-23	ON semiconductor	MMBT489LT1G	No	Yes
D2	1	Diode	MBR130T	-	SOD-123	ON semiconductor	MBR130T1G	No	Yes
IC1	1	Switching Regulator	NCP3064	-	SOIC8	ON semiconductor	NCP3064DR2G	No	Yes
D1	1	Diode	MBRS340T3	-	SMC	ON semiconductor	MBRS340T3G	No	Yes
L1	1	Inductor	22uH	20%	Coilcraft	Coilcraft	DO5040H-223MLB	Yes	Yes
Jumper	1	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	5	Pin 1.3mm	-	-	1.3mm	Various	Various	Yes	Yes