



Bill of Materials for the NCP3064 Boost DFN 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
R5	1	Resistor	18k	1%	1206	Rohm	MCR18EZHF1802	Yes	Yes
R6	1	Resistor	1k	1%	1206	Rohm	MCR18EZHF1001	Yes	Yes
R9	1	Resistor	10k	1%	1206	Rohm	MCR18EZHF1002	Yes	Yes
C1	1	Capacitor	150uF/16V	20%	F8	SANYO	6SVP150M	Yes	Yes
C1*	OPTION	Capacitor	220uF/35	20%	G	Panasonic	EEE1VA221AP	Yes	Yes
C1**	OPTION	capacitor	220uF/35	20%	F	Panasonic	EEEF1V221AP	Yes	Yes
C2;C3;C4;C5	4	Capacitor	100nF	10%	1206	Kemet	C1206C104K5RACTU	Yes	Yes
C6	1	Capacitor	330uF / 25V	20%	SMD	Panasonic	EEE-FK1E331GP	Yes	Yes
C10	1	Capacitor	2.2nF	10%	1206	Kemet	C1206C222K5RACTU	Yes	Yes
L2	1	Inductor	100uH	20%	DO3316	CoilCraft	DO3316P-104MLB	No	Yes
D2	1	Diode	MBRS260	-	SMB	ON Semiconductor	MBRS260LT3G	No	Yes
IC	1	Switching Regulator	NCP3064	-	DFN8	ON Semiconductor	NCP3064MNTXG	No	Yes
Pin	5	RM 2.54 mm, PCB pin's (3)	Jumper - PCB pin's	-	2.54mm	Harwin	M20-9990305	Yes	Yes
Jumper	1	Jumper, RM 2.54 mm	Jumper	-	2.54mm	Harwin	M7686-05	Yes	Yes
jumper-pin	1	Pin 1mm	-	-	1mm	Various	Various	Yes	Yes

* For Vin up to 35V, temperature range -40 to +85°C

** For Vin up to 35V, temperature range -55 to +105°C