



## Bill of Materials for the NCP3064 Boost PDIP Demo Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R1	1	Resistor	0.15R	5%	0207	Vishay	AC01000001507JA100	Yes	Yes
R5	1	Resistor	18k	1%	0204	Panasonic - ECG	ERO-S2PHF1802	Yes	Yes
R6	1	Resistor	1k	1%	0204	Panasonic - ECG	ERO-S2PHF1001	Yes	Yes
R9	1	Resistor	10k	1%	0204	Panasonic - ECG	ERO-S2PHF1002	Yes	Yes
C1	1	Capacitor	150uF/16V	20%	pitch 5mm	SANYO	16SA150M	Yes	Yes
C1*	Option	Capacitor	270uF	20%	10 x 16	PANASONIC	EEUFC1V271	Yes	Yes
C2;C3;C4;C5	4	Capacitor	100nF	10%	5mm	Vishay	K104K15X7RF5TH5	Yes	Yes
C6	1	Capacitor	47uF/25V	20%	pitch 5mm	SANYO	25SC47M	Yes	Yes
C10	1	Capacitor	2n2	10%	5mm	Vishay	K222K15X7RF5TH5	Yes	Yes
L2	1	Inductor	100uH	20%	DR0608	CoilCraft	DR0608-104L	No	Yes
D2	1	Diode	MBR150	-	TH	ON Semiconductor	MBR150G	No	Yes
IC	1	Switching Regulator	NCP3064	-	PDIP8	ON Semiconductor	NCP3064PG	No	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 1mm	-	-	1mm	Various	Various	Yes	Yes

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