



## Bill of Materials NCP3063 (SOIC-8) Boost Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U301	1	Switching Regulator	1.5A, 150kHz	-	SOIC-8	ON Semiconductor	NCP3063DR2G	No	Yes
L301	1	Inductor	100 $\mu$ H	20%	DO5022P	Coilcraft	DO-5022P-104ML	Yes	Yes
D301	1	Schottky Rectifier	1A, 40V	-	SMD	ON Semiconductor	MBRS140LT3G	No	Yes
C301	1	Ceramic Capacitor	100 nF	10%	1206	AVX	12065G104Z-MR	Yes	Yes
C302	1	Capacitor	300 $\mu$ F/25V	20%	SMD	Panasonic	EEE-FK1E331GP	Yes	Yes
C303	1	Ceramic Capacitor	2.2 nF	5%	0805	AVX	08055A222J-MR	Yes	Yes
C304	1	Ceramic Capacitor	100 nF	10%	Axial	Multicomp	MCRR50104X7RK0100	Yes	Yes
C305	1	Capacitor	330 $\mu$ F/50V	20%	SMD	Panasonic	EEV-FK1H331Q	Yes	Yes
R301	1	Resistor	0.15 $\Omega$ , 1 W	1%	2010	Vishay/Dale	WSL2010R1500FEA18	Yes	Yes
R302	1	Resistor	1 k $\Omega$ , 0.1 W	1%	0805	Multicomp	MC 0.1W 0805 1% 1K	Yes	Yes
R303	1	Resistor	18 k $\Omega$ , 0.1 W	1%	0805	Multicomp	MC 0.1W 0805 1% 18K	Yes	Yes
R304	1	Resistor	0 $\Omega$ , 0.1 W	0%	0805	Multicomp	MC 0.1W 0805 0R	Yes	Yes
J301-J307	7	Test Post	-	-	Through	Vector Electronics	K24C/M	Yes	Yes