

ON Semiconductor



Bill of Materials for the NCP3063 Buck Evaluation Board

5/11/2010

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
L801	1	Inductor	47uH	20%	DO5022P	COILCRAFT	DO-5022P-473ML	Yes	Yes
D801	1	1A 40V Schottky Rectifier	MBRS140LT3G	-	SMB	ON Semiconductor	MBRS1540T3G or MBRS240LT3G	Yes	Yes
C801	1	Ceramic Capacitor 1206	100nF	10%	1206	AVX	12065G104Z-MR	Yes	Yes
C802	1	Capacitor	220uF/50V	20%	SMD	Panasonic - ECG	EEV-FK1H221P	Yes	Yes
C803	1	Ceramic Capacitor 0805	2.2nF	5%	0805	AVX	08055A222J-MR	Yes	Yes
C805	1	Capacitor	330uF/25V	20%	SMD	Panasonic - ECG	EEE-FK1E331GP	Yes	Yes
C806	1	Ceramic Capacitor	100nF	10%	1206	AVX	12065G104Z-MR	Yes	Yes
R801	1	Resistor	0R15	1%	2010	Vishay/Dale	WSL2010R1500FEA18	Yes	Yes
R802	1	Resistor	2.4kOhm	1%	0805	MULTICOMP	MC 0.1W 0805 1% 2K4	Yes	Yes
R803	1	Resistor	3.9kOhm	1%	0805	PHYCOMP	RC-12H-3K9-1P5	Yes	Yes
R804	1	Resistor	0R	0%	0805	MULTICOMP	MC 0.1W 0805 0R	Yes	Yes
U801	1	1.5A, 150KHz Switching Regulator	NCP3063MNR2G	-	DFN8	ON Semiconductor	NCP3063MNR2G	No	Yes