

ON Semiconductor



Bill of Materials for the NCP3063SMINVEVB Evaluation Board

8/30/2017

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
L901	1	Inductor	22uH	20%	DO-3316P	COILCRAFT	DO-3316P-223MLD	Yes	Yes
D901	1	1A 40V Schottky Rectifier	MBRS140LT3G	-	SMB	ON Semiconductor	MBRS140LT3G	Yes	Yes
C901	1	Ceramic Capacitor 1206	100nF	10%	1206	AVX	12065G104Z-MR	Yes	Yes
C902	1	Capacitor	330uF/50V	20%	SMD	Panasonic - ECG	EEV-FK1H331Q	Yes	Yes
C903	1	Ceramic Capacitor 0805	2.2nF	5%	0805	AVX	08055A222J-MR	Yes	Yes
C905	1	Capacitor	330uF/25V	20%	SMD	Panasonic - ECG	EEE-FK1E331GP	Yes	Yes
C906	1	Ceramic Capacitor	100nF	10%	1206	AVX	12065G104Z-MR	Yes	Yes
R901	1	Resistor	0R15	1%	2010	Vishay/Dale	WSL2010R1500FEA18	Yes	Yes
R902	1	Resistor	16.9kOhm	0.1%	0805	WELWYN	PCF0805R 16K9BLT1	Yes	Yes
R903	1	Resistor	1.96kOhm	0.1%	0805	WELWYN	PCF0805R 1K96BLT1	Yes	Yes
R904	1	Resistor	0R	0%	0805	MULTICOMP	MC 0.1W 0805 0R	Yes	Yes
U901	1	1.5A, 150KHz Switching Regulator	NCP3063MNR2G	-	DFN8	ON Semiconductor	NCP3063BMNTXG	No	Yes
+Vaux, ON/OFF, +Vin, GND, -Vout, GND	6	Connector - Headers, Male Pins	-	-	2.54mm pitch	TE Connectivity	5-146280-1	Yes	Yes